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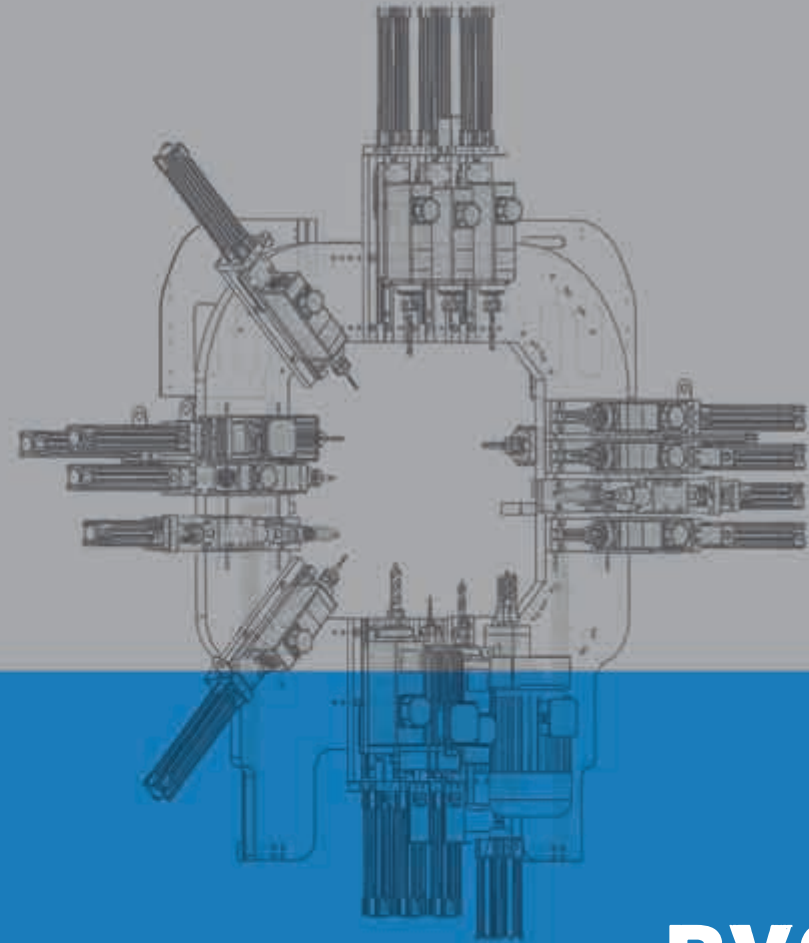
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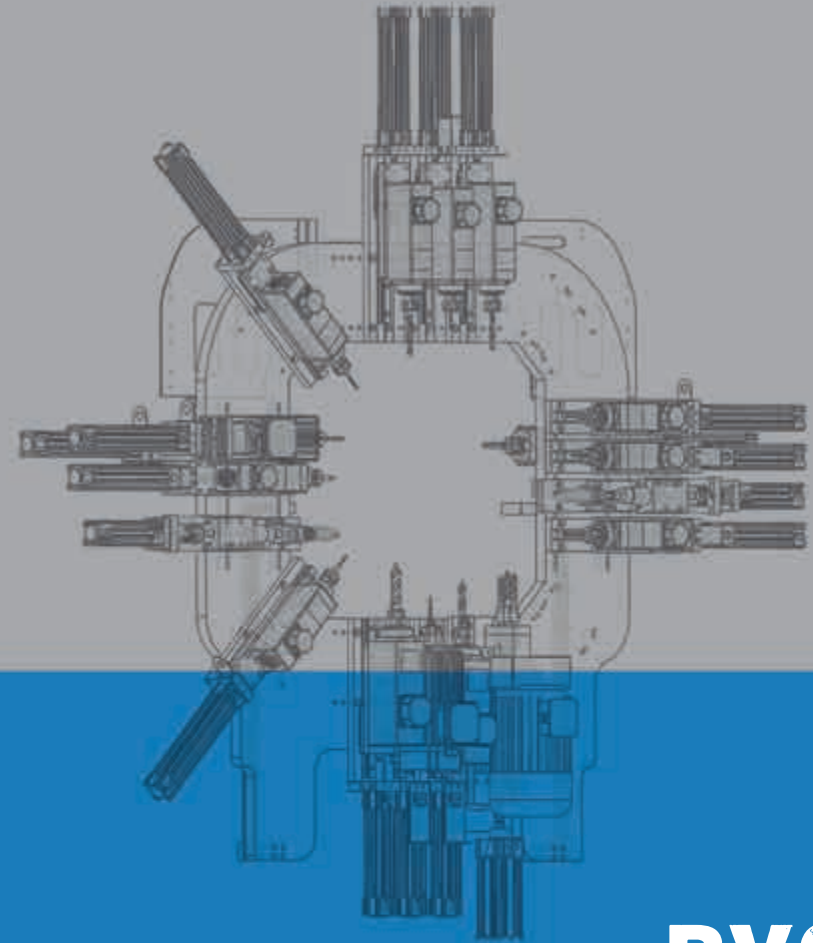
PVC
MACHINERY



Complete solutions from one supplier

All around the World

PVC Profiles
Processing Machinery



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PVC
MACHINERY



Complete solutions from one supplier

All around the World

PVC Profiles Processing Machinery

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Complete solutions from one supplier

ALL AROUND THE WORLD



COMPANY PROFILE



Haffner moved its production from Germany to Turkey in 2012 and combined its strength with Haffnerry, which is a global player in the industry selling and providing service to more than 85 countries worldwide, manufactures machinery in 16,500 m² factory with over 185 trained employees.



With a policy of constant innovation, outstanding quality and a flexible service approach, Haffner can provide effective machinery solutions, time after time.



Since 1926, Haffner produces machines for manufacturing PVC, wood windows by combining tradition and innovation.

Since 1926, **Haffner** produces machines for manufacturing **PVC**, wood windows by combining tradition and innovation. All **Haffner** products are designed for handicraft and industrial use which means reliability, time saving technique and high precision. The customer oriented approach of the company makes **Haffner** more than a product and service supplier; a very experienced partner which provides solutions to problems and projects you to develop your business further, no matter you are a just beginning or an experienced fabricator.

Haffner moved its production from **Germany** to **Turkey** in 2012 and combined its strength with Haffnerry, which is a global player in the industry selling and providing service to more than 85 countries worldwide, manufactures machinery in 16,500 m² factory with over 200 trained employees. This merger of Haffner and **Murat** has helped to reduce labour and manufacturing costs without compromising on quality.

Through pioneering technology, coupled with a complete understanding of the fabrication market, customers can view first hand the quality of engineering that goes into every machine. Furthermore all machinery parts are manufactured in-house, which ensures the machines are made to the highest possible specification and not reliant on outside sources.

A dedicated team of 21 engineers give free online support and are available out of office hours should the need arise. With a policy of constant innovation, outstanding quality and a flexible service approach, Haffner can provide effective machinery solutions, time after time.

SAWS



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TA-133 Mitre Saw (Ø:420mm)

SAWS » TA-133

- PVC Profiles cutting.
- Pneumatic sawing feed from below with 420 mm saw blade diameter.
- The saw blade feed speed can be adjusted.
- Wide angle range from 22.5° to 112.5° with special location points at 45°, 90 and 135°.
- Vertical pneumatic clamps ensure optimum profile fixing.



OPTIONAL

- Cooling system to cut aluminium profiles (AS 021)
- Hydro-pneumatic system for aluminium profiles (AH 041)
- Profile Support conveyor system (3 m left or 3 m right side) (TK 060)
- Manuel measuring system conveyor 3 m – Right (TK 061)
- Manuel measuring system conveyor 3 m - Left (TK 062)
- Automatic Digital Length Measuring System and 3 m Conveyor (MS 300*)

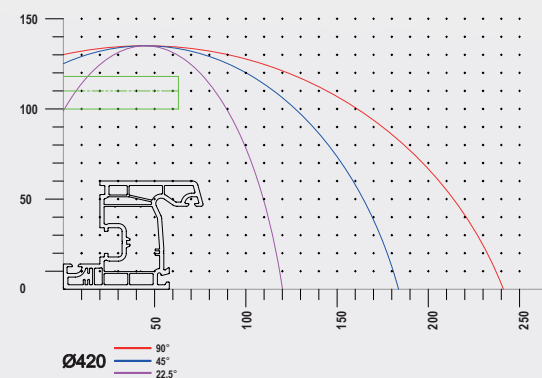
* Can be produced for left or right usage.

Technical Features :

• Power Supply : 400 V, 3~ 50-60 Hz	• Machine Height: 1330 mm
• Power Output : 2,2 kW	• Machine Length : 750 mm
• Spindle Speed : 2800 rpm	• Machine Width : 830 mm (+130 mm Cooling System)
• Air Pressure : 6-8 bar	• Machine Weight : 225 kg
• Air Consumption : 60 l/min. (100 lt/min. Cooling System)	

* Please see the cutting diagram for the Min. and Max. profile size dimensions.

* Shown with optional roller conveyor and manual measuring system.



TA-141 Mitre Saw (Ø:350mm)

SAWS » TA-141

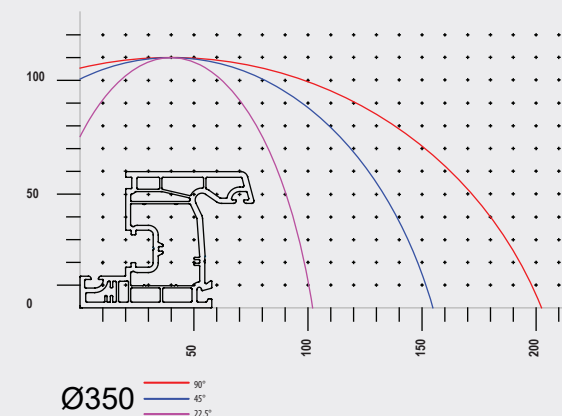


- PVC Profiles cutting.
- Pneumatic sawing feed from below with 350 mm saw blade diameter.
- The saw blade feed speed can be adjusted.
- Wide angle range from 22.5° to 112.5° with special location points at 45°, 90° and 135°.
- Vertical pneumatic clamps ensure optimum profile fixing.

OPTIONAL

- Cooling system to cut aluminium profiles (AS 021)
- Hydro-pneumatic system for aluminium profiles (AH 041)
- Profile Support conveyor system (3 m left or 3 m right side) (TK 060)
- Manuel measuring system conveyor 3 m – Right (TK 061)
- Manuel measuring system conveyor 3 m - Left (TK 062)
- Automatic Digital Length Measuring System and 3 m Conveyor (MS 300*)

* Can be produced for left or right usage.



Technical Features :

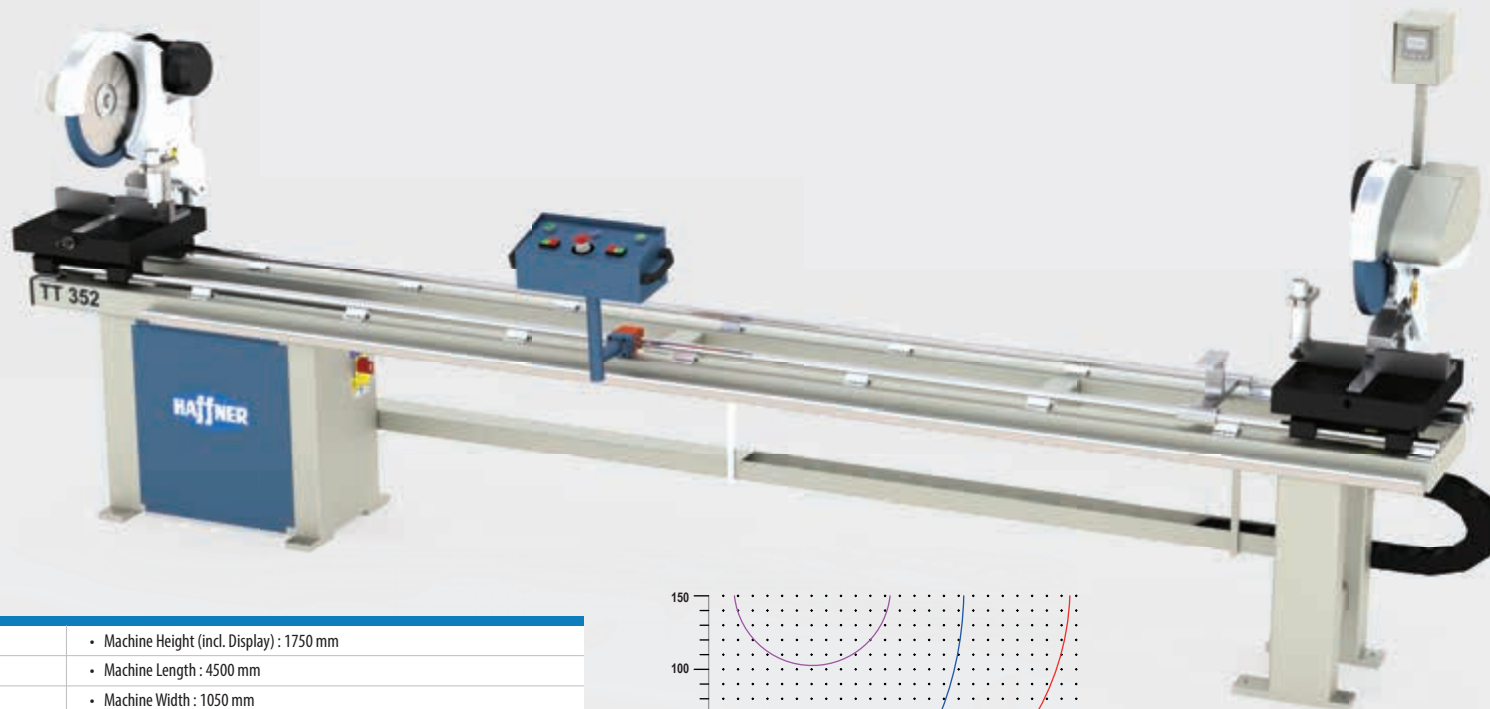
• Power Supply : 400 V, 3~ 50-60 Hz	• Machine Height: 1300 mm
• Power Output: 1,1 kW (2,2 kW Optional for Alu.)	• Machine Length: 800 mm
• Spindle Speed : 2800 rpm	• Machine Width: 700 mm
• Air Pressure : 6-8 bar	• Machine Weight: 195 kg
• Air Consumption: 48 l/min. (95 l/min. Cooling System)	

* Please see the cutting diagram for the Min. and Max. profile size dimensions.

TT-352 Double Mitre Saw (Ø:350mm)

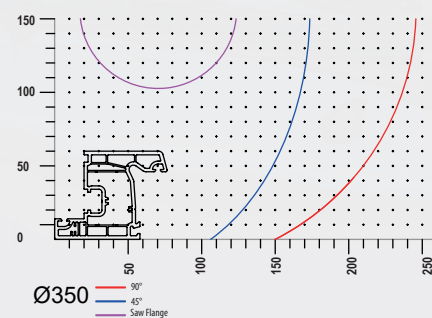
SAWS » TT-352

- PVC profiles cutting with 350 mm saw blade diameter.
- The movable head can be manually positioned at the desired length by controlling the digital display and pneumatically fixed.
- Standard equipped with digital measuring system.
- Pivoting range from 45° to 90° left and right provide to work both internal and external dimensions. The pivoting range can be infinitely adjusted and fixed by manual clamping
- Vertical pneumatic clamps ensure optimum profile fixing.
- Location points at $\pm 60^\circ$, $\pm 67.5^\circ$, and $\pm 75^\circ$ ease to adjust the head at most common angles.
- The saw blade feed speed can be adjusted.
- Protective covers increase working safety.



Technical Features :

• Power Supply : 400 V, 3~ 50-60 Hz	• Machine Height (incl. Display) : 1750 mm
• Total Power Output : 2,2 kW	• Machine Length : 4500 mm
• Spindle Speed : 2800 rpm	• Machine Width : 1050 mm
• Max. Cutting Length : 3700 mm	• Machine Weight: 425 kg
• Min. Cutting Length : 410 mm	
• Air Pressure : 6-8 bar	
• Air Consumption : 40 l/min.	



* Please see the cutting diagram for the Min. and Max. profile size dimensions.

TT-405 Double Mitre Saw (Q:450 mm)

SAWS » TT-405

TT-415 Double Mitre Saw (Q:550 mm)

SAWS » TT-415



TT-405 Double Mitre Saw (Q:450 mm)

SAWS » TT-405

- PVC profiles cutting.
- Solid cast construction for length and angle accuracy.
- Ultimate cutting quality.
- Ability to cut 4200 mm. length.
- Automatic tilt movement of the saw heads to 45° and 90°. Angles between 45° and 90° can be adjusted manually and fixed easily.
- Moving head automatically takes position by PLC control system with touch panel.
- Piece numbers, length dimensions, angular positions and quantities can be programmed on the control panel (2000 x 10 different data can be stored).
- Data transfer is available via network connection or USB interface.
- The saw blade feed speed can be adjusted.
- The control system can skip and then continue the cutting order.
- Profile support conveyor fixed to the movable head helps to keep the balance of the work piece.
- Automatic closing safety hood.
- Horizontal and vertical clamping system ensure optimum profile fixing.

OPTIONAL

- Barcode printer (AK 003)
- Extraction system (ES 024)
- Automatic Aluminum Wedge Cutting System (AH 025) (Max. 7200mm Length can be fixed to the machine)
- Arrow head cutting Unit for V-Welding (AH 044)
- Automatic Short Cutting System (AH 046)

Technical Features :

• Power Supply : 400 V, 3~ 50-60 Hz	• Air Consumption: 50 l/min. (120 l/min. Cooling System)
• Total Power Output : 3,5 kW (5 kW Optional for Alu.)	• Machine Height: 1550 mm
• Power Output of Each Motor: 1,5 kW (2,2 kW Optional for Alu.)	• Machine Length: 4950 mm + 2600 mm
• Spindle Speed: 2800 rpm	• Machine Width: 1400 mm
• Max. Cutting Length: 4200 mm	• Machine Weight: 755 kg
• Min. Cutting Length: 450 mm	
• Min. Wedge Cutting Length: 4,8mm	
• Air Pressure: 6-8 bar	

* Please see the cutting diagram for the Min. and Max. profile size dimensions.

TT-415 Double Mitre Saw (Q:550 mm)

SAWS » TT-415

See TT-405 However;

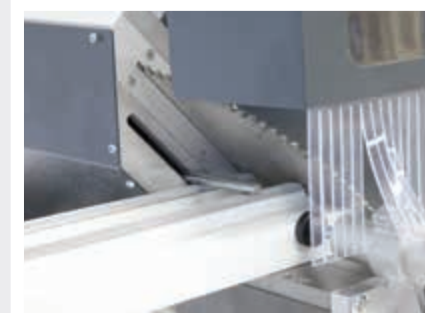
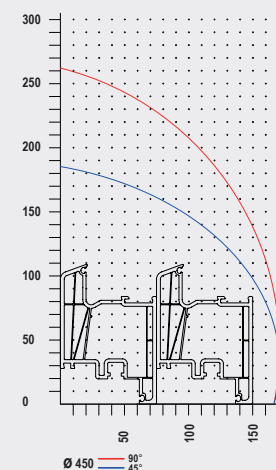
- Machine Height : 1560 mm
- Machine Length : 5100 mm + 2630 mm
- Machine Width : 1600 mm
- Machine Weight : 900 kg.
- Min. Cutting Length : 550 mm

OPTIONAL

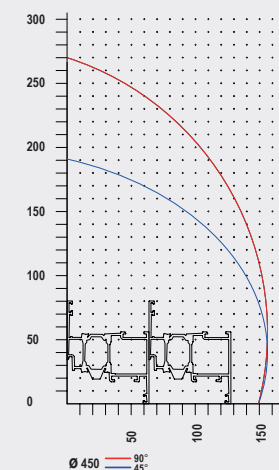
- Servo controlled cutting between 45° - 90° accuracy of 0,1°



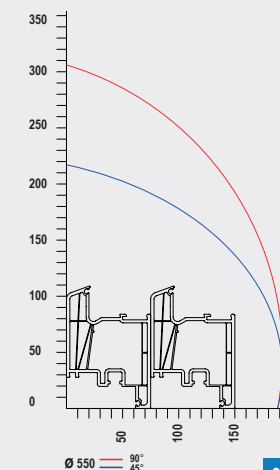
TT-405 Double Mitre Saw
Cutting Diagram for PVC



TT-405 Double Mitre Saw
Cutting Diagram for Aluminum



TT-415 Double Mitre Saw
Cutting Diagram



TV-192 Automatic V-Cutting Saw

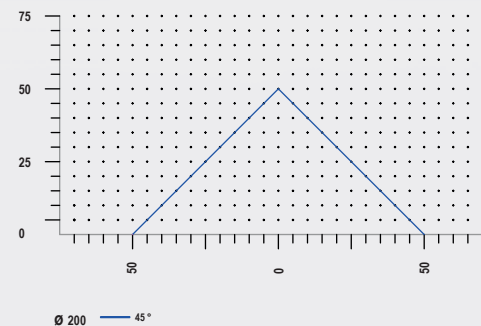
SAWS » TV-192

- Two 45° angled saw blades with 200 mm diameter, V-Cuts PVC Profiles for V-Welding.
- The cutting depth can be set easily.
- The adjustable saw blade feed enable fast and precise cutting with rapid return.
- Horizontal pneumatic clamps are positioned opposite of the movement direction to ensure optimum profile fixing.



Technical Features :

• Power Supply: 400 V, 3~ 50-60 Hz	• Machine Height: 1200 mm
• Total Power Output: 1,5 kW	• Machine Length: 500 mm (+ 2000 mm Left + 2000 mm Right Conveyor)
• Power Output of Each Motor: 0,75 kW x 2	• Machine Width: 1200 mm
• Spindle Speed: 2800 rpm	• Machine Weight: 190 kg
• Air Pressure: 6-8 bar	
• Air Consumption: 60 l/min.	



* Please see the cutting diagram for the Min. and Max. profile size dimensions.

TC-294 Glazing Bead Saw

SAWS » TC-294

- Two special saw blades positioned at 45° for simultaneous undercutting of the PVC glazing bead profiles.
- By means of special counterblocks two glazing bead profiles can be cut at the same time.
- Automatic operation with adjustable feed speed
- Standard equipped with conveyor system with manual measuring rod and adjustable length fixing stopper.
- Counterblocks can be changed easily.
- Two vertical pneumatic clamps enable optimum work piece fixation.



Technical Features :

• Power Supply: 400 V, 3~ 50-60 Hz	• Air Pressure: 6-8 bar
• Total Power Output : 1,5 kW	• Air Consumption: 70 l /min.
• Power Output of Each Motor: 0,75 kW x 2	• Machine Height: 970 mm
• Spindle Speed: 2800 rpm	• Machine Length: 440 mm (+ 4870 mm Conveyor System)
• Saw Blade Diameter: Ø 200 mm x 2; Ø 100 mm x 2	• Machine Width: 1150 mm
• Max. Cutting Length: 3000 mm	• Machine Weight: 130 kg
• Min. Cutting Length: 230 mm	

MS-300 Digital Measuring and Stop System

SAWS » MS-300

- Automatic positioning of the sliding stop at desired length enables accurate cutting.
- By linear bearing system enables fast positioning.
- Digital automatic measuring is enabled by PLC control system with operating touch panel.
- Data transfer is available via network connection or USB interface.
- Piece numbers, length dimensions, angular position and quantities can be programmed on the control panel (2000 x 10: different data can be stored)
- Compatible with TC-294, TA-133 and TA-141.
- The conveyor height can be adjusted according to the cutting machine.
- Remote data transfer with bluetooth communication.



Technical Features :

• Power Supply: 230 V, 3~ 50-60 Hz	• Machine Height: 800 - 1000 mm (Adjustable)
• Power Output : 0,37 kW	• Machine Length: 3715 mm
• Max. Cutting Length: 3000 mm	• Machine Width: 500 mm
• Max. Profile Width: 200 mm	• Machine Weight: 150 kg

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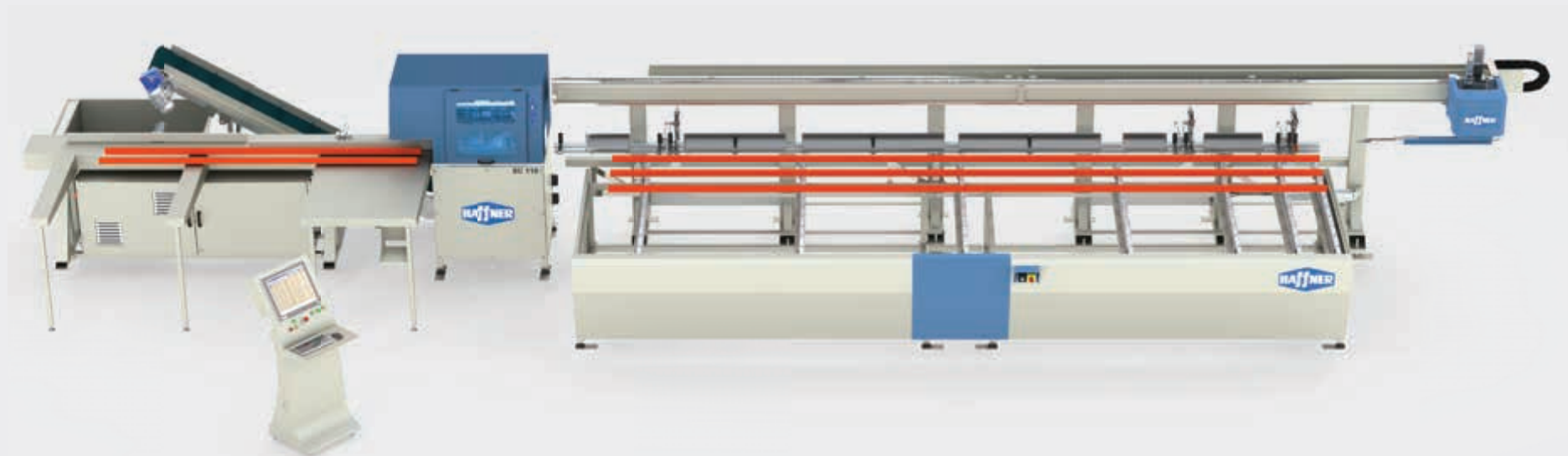


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SC-110 Automatic Cutting Center

SAWS » SC-110



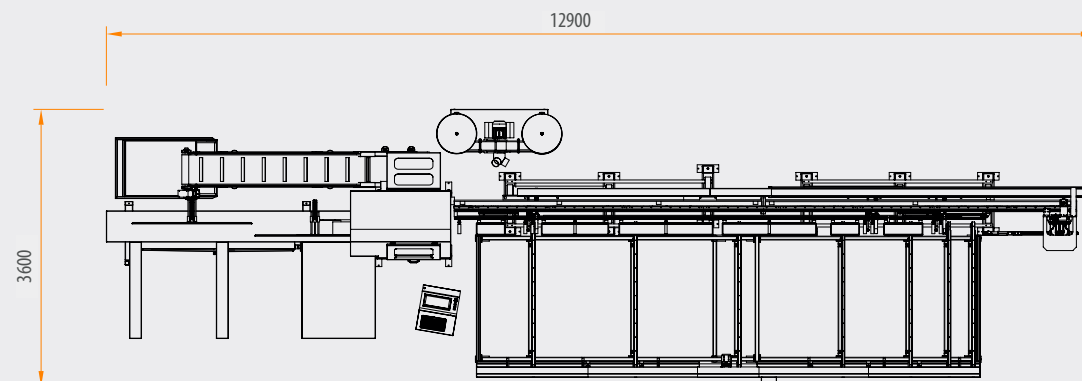
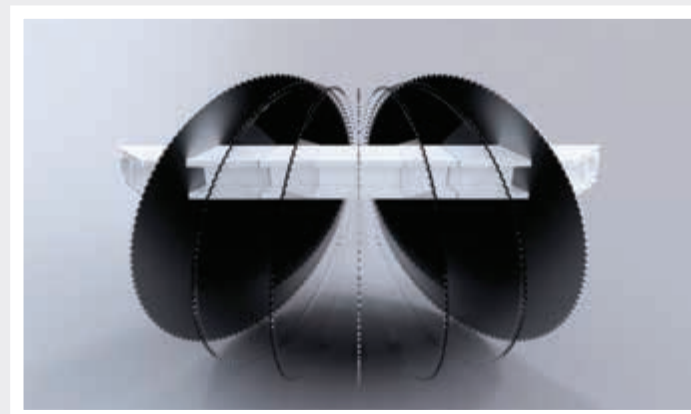
SC-110 Automatic Cutting Center

SAWS » SC-110

- Automatic and fast cutting of PVC profiles at different lengths.
- Loading of 10 profiles (max. 6500 mm length).
- Automatically feeds the profiles from the loading magazine, cuts at the desired lengths.
- The 500 mm. saw blade diameter enables cutting of wide profiles
- Able to make automatic cutting at all angles between 45° and 135° in 0,1° sensitivity via Servo motors.
- High performance industrial PC with Windows 10 Embedded operating systems and working between 0°C - 55°C without the need for a fan.
- All error messages can be monitored from the screen by the software developed by Haffner Machinery Software Department.
- The cut work pieces are automatically moved to off-loading station.
- The saw blade feed speed can be adjusted.
- Data transfer is available via network connection or USB interface.
- By online connection to the entire system, remote detection of malfunctions and maintenance is available.
- 15" touchscreen.
- Automatic conveyor belt system to transport scrap profiles to waste container.
- Full integration with various window and door production software.
- Barcode printer (AK 003)
- Extraction system (ES 024)

CAPACITY

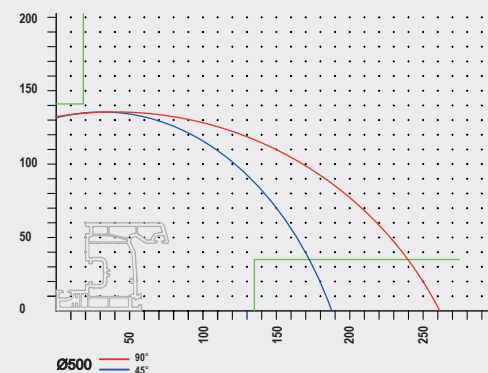
- Min 2600 meters / 8 hours
- Max. 2800 meters / 8 hours



Technical Features :

• Power Supply : 400 V, 3~ 50-60 Hz	• Machine Height: 1700 mm
• Total Power Output: 10 kW , 22 A	• Machine Length: 12900 mm
• Spindle Speed: 2800 rpm	• Machine Width: 3600 mm
• Max. Cutting Length: 4000 mm	• Machine Weight: 1600 kg
• Min. Cutting Length: 400 mm	
• Max. Raw Profile Length : 6500 mm	
• Air Pressure: 6-8 bar	

* Please see the cutting diagram for the Min. and Max. profile size dimensions.



SC-114 Profile Cutting Center

SAWS » SC-114



SC-114 Profile Cutting Center

SAWS » SC-114

- Automatic and fast cutting of PVC profiles at different lengths.
- Loading of 10 profiles (max. 6500 mm length).
- Automatically feeds the profiles from the loading magazine, cuts at the desired lengths.
- The 500 mm. saw blade diameter enables cutting of wide profiles
- Able to make automatic cutting at all angles between 30° and 150° in 0,1° sensitivity via Servo motors.
- The cut work pieces are automatically moved to off-loading station.
- The saw blade feed speed can be adjusted.
- Data transfer is available via network connection or USB interface.
- By online connection to the entire system, remote detection of malfunctions and maintenance is available.
- 15" touchscreen.
- High performance industrial PC with Windows 10 Embedded operating systems and working between 0°C - 55°C without the need for a fan.
- Automatic conveyor belt system to transport scrap profiles to waste container.
- Full integration with various window and door production software.
- All error messages can be monitored from the screen by the software developed by Haffner Machinery Software Department.
- Barcode printer (AK 003)

OPTIONAL

- End milling unit for two different profile cross sections

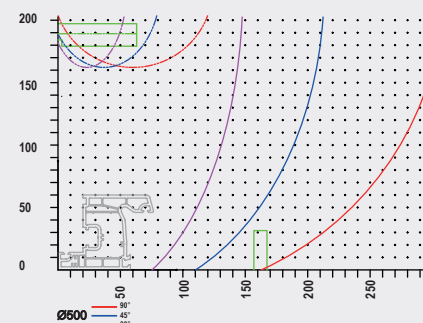
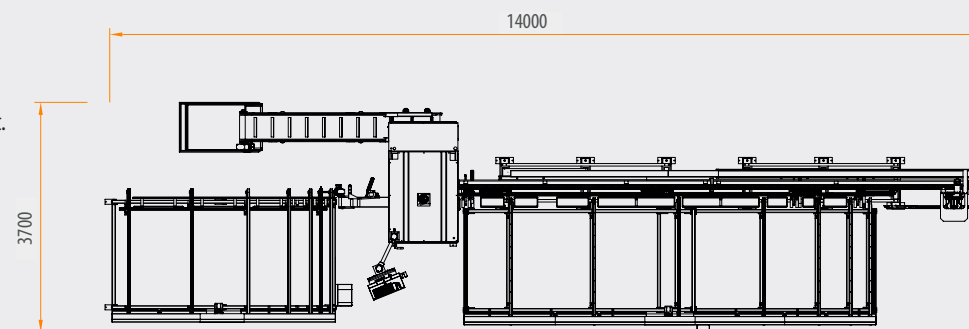
CAPACITY

- Min. 2600 meters / 8 hours
- Max. 2800 meters / 8 hours

Technical Features :

• Power Supply : 400 V, 3~ 50-60 Hz	• Air Consumption: 255 l/min.
• Total Power Output: 10 kW, 22 A	• Machine Height: 2350 mm
• Spindle Speed: 2800 rpm	• Machine Length: 14000 mm
• Max. Raw Profile Length: 6500 mm	• Machine Width: 3700 mm
• Max. Profile Cutting Length: 3500 mm	• Machine Weight: 3900 kg
• Min. Profile Cutting Length : 400 mm	
• Air Pressure: 6-8 bar	

* Please see the cutting diagram for the Min. and Max. profile size dimensions.



ROUTERS & DRILLS



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FT-376 Drain Slot Router

ROUTERS & DRILLS » FT-376

- Mills water drain slots and opens ventilation holes on PVC profiles at various angles.
- Two frequency controlled (inverter) high speed motors mills drain slots on different surfaces of the profile.
- Motors can work individually. Routing speeds can be adjusted independently.
- Easy to adjust according to different profile cross sections.
- The upper routing unit automatically positions itself to left or right side of the profile.
- Pneumatic profile clamping.



Technical Features :

• Power Supply : 230 V, 50-60 Hz	• Air Consumption: 18 l/min.
• Total Power Output: 0,8 kW	• Machine Height: 1260 mm
• Power Output of Each Motor: 0,37 kW	• Machine Length: 800 mm
• Router Spindle Speed: 18000 rpm	• Machine Width: 760 mm
• Max.Routing Length : 50 mm	• Machine Weight: 95 kg
• Stroke : 25 mm	
• Max. Profile Section Dimensions: 90 mm x 90 mm	
• Air Pressure: 6-8 bar	

FT-386 Drain Slot Router

ROUTERS & DRILLS » FT-386

- Mills water drain slots and opens ventilation holes on PVC profiles at various angles.
- Three frequency controlled (inverter) high speed motors mills drain slots on different surfaces of the profile.
- Motors can work individually. Routing speeds can be adjusted independently.
- Easy to adjust according to different profile cross sections.
- The upper routing unit automatically positions itself to left or right side of the profile.
- Pneumatic profile clamping.



Technical Features :

• Power Supply : 230 V, 50-60 Hz	• Air Consumption: 24 l/min.
• Total Power Output: 1,2 kW	• Machine Height: 1260 mm
• Power Output of Each Motor: 0,37 kW	• Machine Length: 800 mm
• Router Spindle Speed: 18000 rpm	• Machine Width: 760 mm
• Max.Routing Length : 50 mm	• Machine Weight: 102 kg
• Stroke: 25 mm	
• Max. Profile Section Dimensions: 90 mm x 90 mm	
• Air Pressure: 6-8 bar	

FU-440 Copy Router

ROUTERS & DRILLS » FT-440

- Routing of door handle holes, lock cylinders and drain slots on PVC and aluminum profiles.
- Possibility of template free depth adjustment and routing on two axis with measurement scale rod.
- Manual two stepped copy finger for 5 mm. and 8 mm. cutter diameters.
- 1:1 ratio transfer of the pattern from a template onto the profile.
- Precise routing with minimal effort and simple operation.
- Frequency controlled (inverter) high speed motor
- Pneumatic profile clamping.



OPTIONAL

- Cooling system for aluminum profiles. (AS 021)
- Centering device for copy routers. (TK 063)



Technical Features :

• Power Supply : 230 V, 50-60 Hz	• Machine Length: 620 mm (+1000 mm right & left profile support conveyor)
• Power Output : 0,75 kW (1,1 kW Optional for Alu.)	• Machine Height: 1650 mm
• Spindle Speed : 12000 rpm	• Machine Width: 450 mm
• Routing Capacity : 250 x 100 mm	• Machine Weight: 70 kg
• Stroke: 100 mm	
• Max. Profile Section Dimensions: 110 mm x 100 mm	
• Air Pressure: 6-8 bar	
• Air Consumption: 10 l/min.	

FU-460 Copy Router with Triple Drill

ROUTERS & DRILLS » FU-460

- Possibility of template free depth adjustment and routing on two axis with measurement scale rod.
- Routing of door handle holes, lock cylinders and drain slots on PVC profiles.
- Triple spindle drilling of PVC sash profiles with reinforcement steel by manual feed.
- Manual two stepped copy finger for 5 mm. and 8 mm. cutter diameters.
- 1:1 ratio transfer of the pattern from a template onto the profile.
- Precise routing with minimal effort and simple operation.
- Frequency controlled (inverter) high speed motor.
- Long lasting specially coated drillers.
- Pneumatic profile clamping.



OPTIONAL

- Cooling system for aluminum profiles. (AS 021)
- Centering device for copy routers. (TK 063)



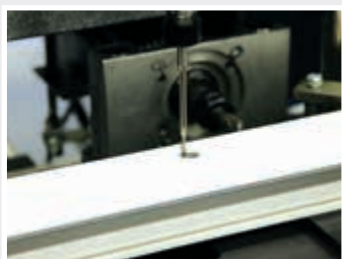
Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Max. Profile Section Dimensions: 110 mm x 100 mm
• Total Power Output: 2 kW	• Air Pressure: 6-8 bar
• Power Output Router: 0,75 kW	• Air Consumption: 10 l/min.
• Power Output Triple Drill: 1,1 kW	• Machine Height: 1650 mm
• Router Spindle Speed: 12000 rpm	• Machine Length: 630 mm (+1000 mm right & left profile support conveyor)
• Triple Drill Spindle Speed: 930 rpm	• Machine Width: 900 mm
• Routing Capacity: 250x100 mm	• Machine Weight: 105 kg
• Stroke: 100 mm	

FU-465 Copy Router with Triple Drill & Milling

ROUTERS & DRILLS » FU-465

- Routing of door handle holes, lock cylinders and drain slots on PVC profiles.
- Possibility of template free depth adjustment and routing on two axis with measurement scale rod.
- Automatic triple spindle drilling of PVC sash profiles with reinforcement steel.
- Manual two stepped copy finger for 5 mm. and 8 mm. cutter diameters.
- Automatic espagnolette and lock canal milling.
- 1:1 ratio transfer of the pattern from a template onto the profile.
- Precise routing with minimal effort and simple operation.
- Frequency controlled (inverter) high speed motor
- Pneumatic profile clamping.



OPTIONAL

- Cooling system for aluminum profiles. (AS 021)
- Centering device for copy routers. (TK 063)

Technical Features :

• Power Supply : 400 V, 3 ~ 50-60 Hz	• Stroke: 100 mm
• Total Power Output: 3,5 kW	• Max. Profile Section Dimensions: 110 mm x 100 mm
• Power Output Router: 0,75 kW	• Air Pressure: 6-8 bar
• Power Output Triple Drill: 1,1 kW	• Air Consumption: 50 l/min.
• Power Output Milling: 1,5 kW	• Machine Height: 1650 mm
• Triple Drill Spindle Speed: 930 rpm	• Machine Width : 1000 mm
• Milling Spindle Speed: 12000 rpm	• Machine Length : 840 mm (+1000 mm conveyor)
• Routing Capacity: 250 x 100 mm	• Machine Weight: 140 kg

FR-480 Copy Router with Triple Drill&Drain Slot Routing

ROUTERS & DRILLS » FR-480

- Routing of door handle holes, lock cylinders and drain slots on PVC profiles.
- Triple spindle drilling with manual feed for espagnolette holes on PVC sash profiles.
- Possibility of template free depth adjustment and routing on two axis with measurement scale rod.
- Precise routing with minimal effort and simple operation.
- Frequency controlled (inverter) high speed motor.
- 1:1 ratio transfer of the pattern from a template onto the profile.
- Manual two stepped copy finger for 5 mm. and 8 mm. cutter diameters
- Drain slot milling at varying angles.
- Pneumatic profile clamping.



OPTIONAL

- Centering device for copy routers. (TK 063)

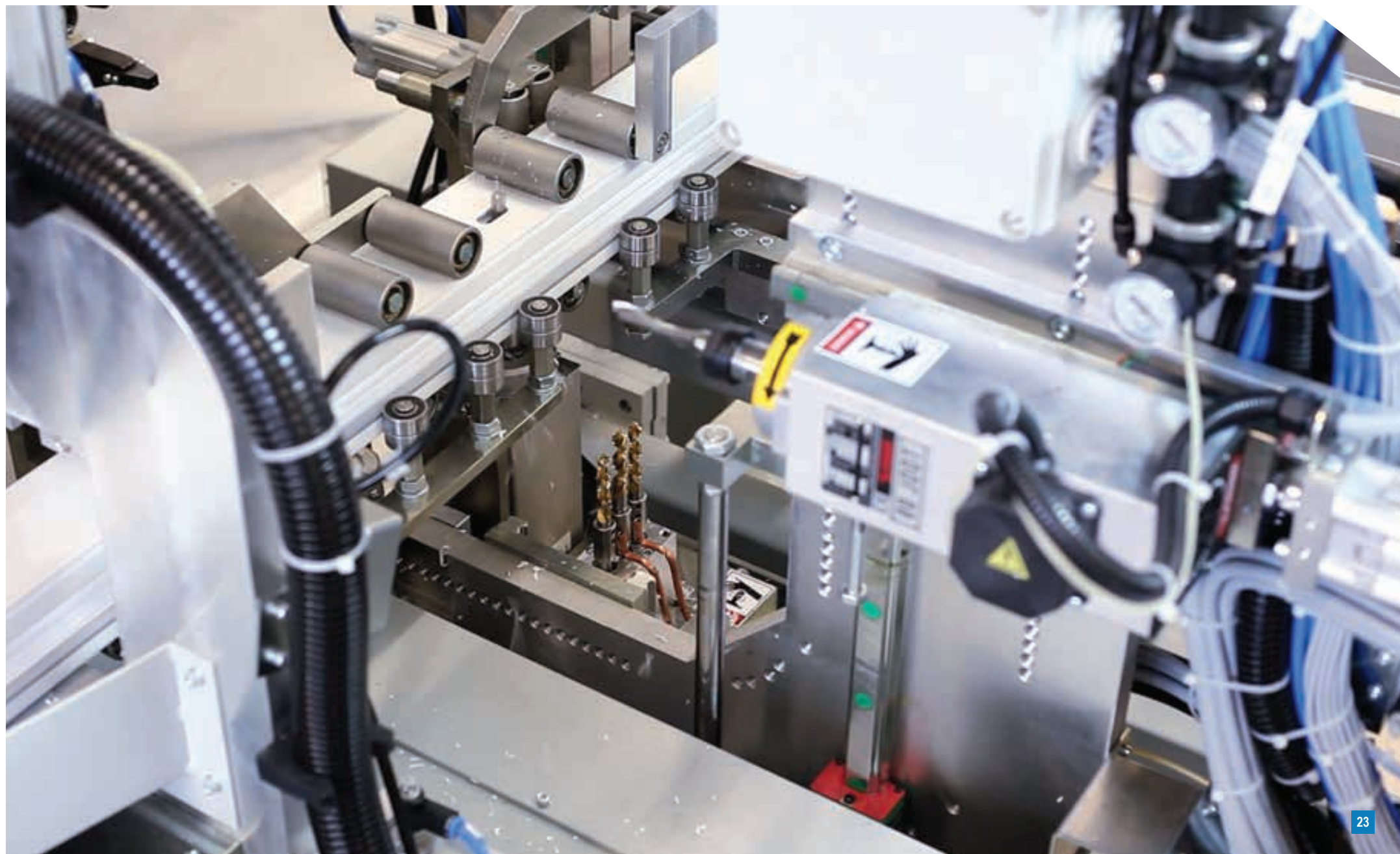
Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Stroke: 100 mm
• Total Power Output: 2,22 kW	• Max. Profile Section Dimensions: 110 mm x 100 mm
• Power Output Router: 0,37 kW	• Air Pressure: 6-8 bar
• Power Output Triple Drill: 1,1 kW	• Air Consumption: 15 l/dk
• Power Output Milling : 0,75 kW	• Machine Height: 1650 mm
• Triple Drill Spindle Speed: 930 rpm	• Machine Width: 900 mm
• Milling Spindle Speed: 12000 rpm	• Machine Length: 630 mm (+1000 mm conveyor)
• Routing Capacity: 250 x 100 mm	• Machine Weight: 125 kg

PROFILE PROCESSING CENTERS



SC-220/40 - 220/90 ..	24
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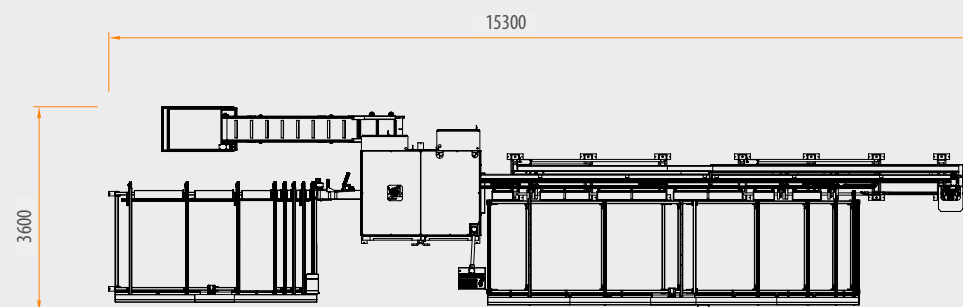


SC-220/40 PVC Profile Processing Center

PROFILE PROCESSING CENTERS » SC-220/40

SC-220/90 PVC Profile Processing Center

PROFILE PROCESSING CENTERS » SC-220/90



SC-220/40 PVC Profile Processing Center

PROFILE PROCESSING CENTERS » SC-220/40

- All sawing, milling, drilling and marking operations on PVC profiles are gathered in one machine controlled by a computer
- Stacking of 10 profiles (Max. 6500 mm lenght)
- Automatic cutting in all angles between 30° and 150° with accuracy of 0,1° by means of servo motors.
- Able to work in high speed and precision thanks to 7 axis controlled by servo motors
- Drain slot routing, drilling and routing at variable angles
- Automatic conveyor belt system to transport scrap profile to the waste container.
- Opens barrel, mirror and handle holes at door profiles simultaneously to increase the production speed by using extra 1 servo motor.
- Able to perform all operations precisely by the 7 tools on the milling group.
- Manual barcode labelling system which works integrated with CNC lines.
- 15" touch screen monitor.
- High performance industrial PC with Windows 10 Embedded operating systems and working between 0°C - 55°C without the need for a fan.
- Ability to work with the data coming from different window production software by giving minimum wastage
- All errors can be seen on the screen with interface programme developed by Murat Machine Software Development department
- Problem identification, solution and servicing by means of remote connections
- Data transfer is available via network and connection or USB interface.
- Ability to back-up daily data on internal storage unit.
- With shift monitoring system, all operations can be controlled daily, weekly, monthly and yearl
- Central lubrication system to eases the machine maintenance.

OPTIONAL

- DV-410 Screw Unit can be added as an option for Reinforcement profile screwing.

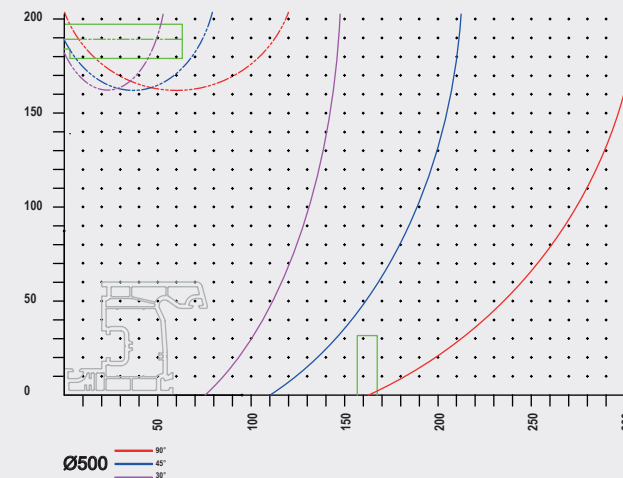
Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Max. Profile Processing Length: 4000 mm
• Total Power Output: 15 kW, 37,5 A	• Min. Profile Processing Length: 330 mm
• Saw Diameter : Ø 500 mm	• Air Pressure: 6-8 bar
• Max. Profile Processing Height: 160 mm	• Air Consumption: 608 l/min.
• Max. Profile Processing Width: 130 mm	• Machine Height : 2360 mm
• Min. Profile Processing Height: 35 mm	• Machine Length : 15300 mm
• Min. Profile Processing Width: 35 mm	• Machine Width : 3600 mm
• Max. Raw Profile Length: 6500 mm	• Machine Weight : 3650 kg
• Min. Raw Profile Length: 500 mm	

SC-220/90 PVC Profile Processing Center

PROFILE PROCESSING CENTERS » SC-220/90

- Back saw in Ø 500 mm that its angle can adjust fixedly for window sill profiles (+7°and -7°),
- Max. Profile Processing Width : 210 mm

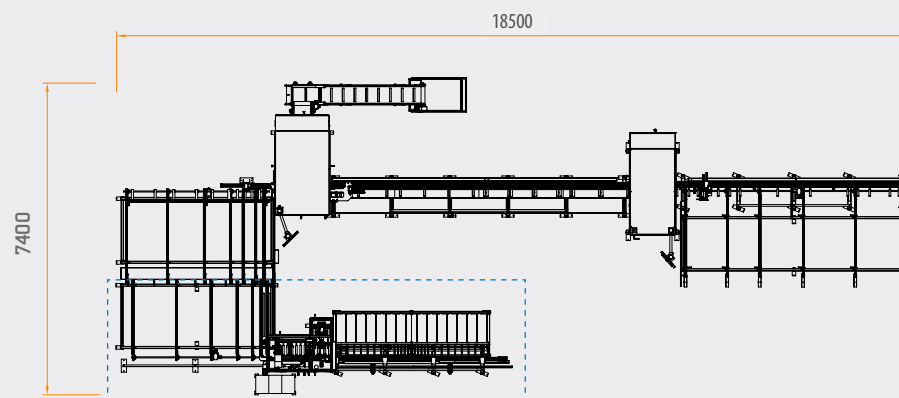


SC-222/223 PVC Profile Processing Center

PROFILE PROCESSING CENTERS » SC-222/223



SC-223



SC-222/223 PVC Profile Processing Center

PROFILE PROCESSING CENTERS » SC-222/223

- All sawing, routing, drilling, marking operations on PVC profiles are gathered in one machine controlled by computer.
- Stacking of 10 profiles (Max. 7 m length)
- Servo controlled automatic swing of the saw to all angles between 30° and 150° with 0.1° accuracy.
- 2 spindle motors with 8-axis movement, work on all surfaces of the profile simultaneously.
- Drain slot routing, drilling and routing at variable angles.
- Automatic conveyor belt system to transport scrap profiles to waste container.
- Manual barcode labeling system integrated with single-lines.
- Easy production control with the 2nd screen on the transfer station.
- 15" touch screen monitor.
- High performance industrial PC with Windows 10 Embedded operating systems and working between 0°C - 55°C without the need for a fan.
- Ability to work with the data coming from different window production software by giving minimum wastage.
- Safe production by means of 3D crash and fault control system developed by Haffner Machinery Software Department.
- All error messages can be monitored from the screen by the software developed by Haffner Machinery Software Department.
- By online connection to the entire system, remote detection of malfunctions and maintenance is available.
- Data transfer is available via network and connection or USB interface.
- Central lubrication system to ease the machine maintenance.
- Extraction system (ES 024)



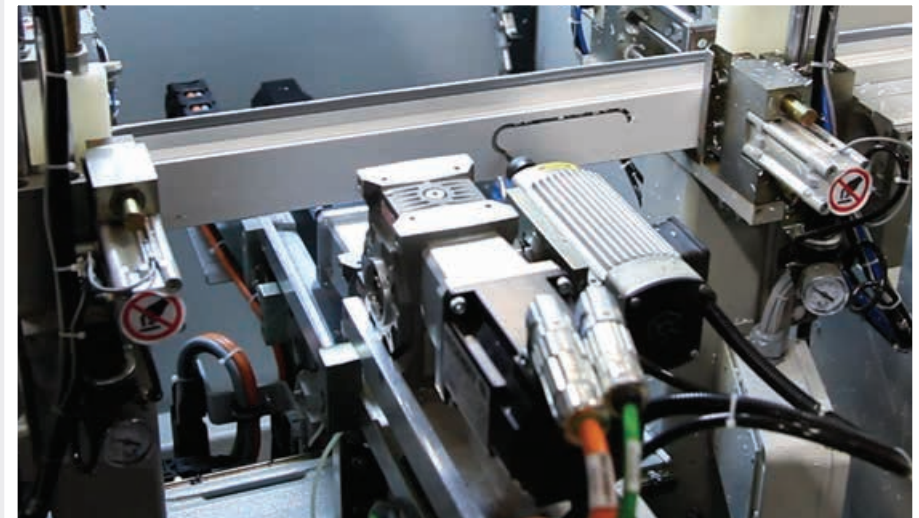
Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Max. Raw Profile Length : 7000 mm
• Power Output: 18 kW, 36 A	• Max. Profile Processing Length: 3500 mm
• Saw Diameter : Ø 500 mm	• Min. Profile Processing Length: 360 mm
• Max. Profile Height: 128 mm	• Air Pressure: 6-8 bar Air Consumption: 700 l/min.
• Min. Profile Height: 35 mm	• Machine Height : 2300 mm
• Max. Profile Width : 180 mm	• Machine Length : 18500 mm
• Min. Profile Width : 30 mm	• Machine Width : 3600 mm (7400 mm with DV-410)
• Min. Raw Profile Length : 1100 mm	• Machine Weight : 4100 kg (5600 kg with DV-410)

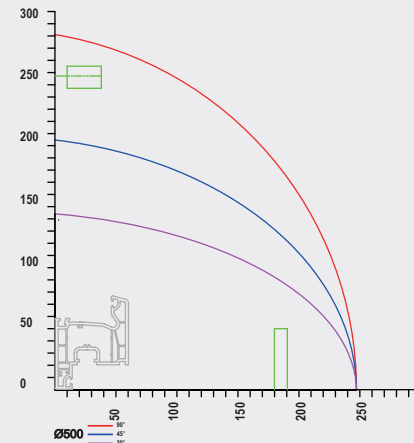
SC-222/223 PVC Profile Processing Center

SEE SC-222, HOWEVER,

- DV-410 Automatic screwing of reinforcement steels.
- Able to screw and triple drill operations due to servo system.
- Automatic screw feed.
- Pneumatic profile fixing system during the Process.

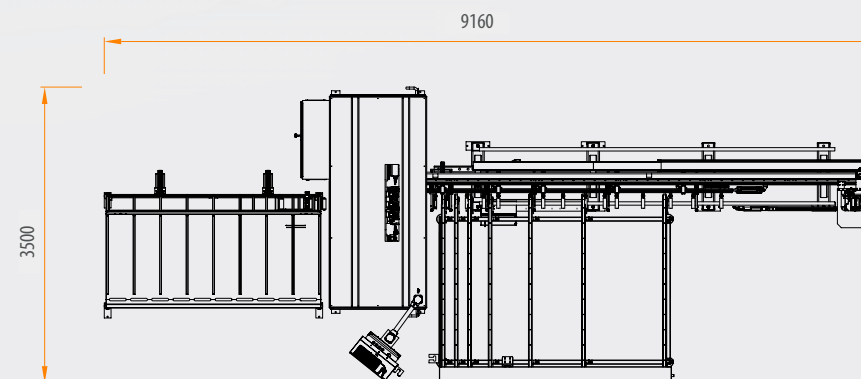


SC-222/223



NR-210 PVC Profile Processing Center

PROFILE PROCESSING CENTERS » NR-210



NR-210 PVC Profile Processing Center

PROFILE PROCESSING CENTERS » NR-210

- Routing, reinforcement steel screwing, drilling, milling, marking operations on PVC profiles are gathered in one machine controlled by computer.
- Pre-cut 10 profiles can be stacked.(Max. 3500 mm length)
- The barcode reader enables arranging the sequence of the profile and processes.
- Drain slot routing, drilling and routing at variable angles.
- Automatic screwing of reinforcement steels.
- Drilling of fixation, triple handle holes and hinge holes together with the reinforcement steel.
- 19" Led monitor..
- High performance industrial PC with Windows 10 Embedded operating systems and working between 0°C - 55°C without the need for a fan.
- All error messages can be monitored from the screen by the software developed by Haffner Machinery Software Department.
- By online connection to the entire system, remote detection of malfunctions and maintenance is available.
- Data transfer is available via network connection or USB interface.
- Full integration with various window and door production software.
- Central lubrication system to eases the machine maintenance.

Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Air Pressure: 6-8 bar
• Total Power Output: 9 kW, 24 A	• Air Consumption: 420 l/min.
• Max. Profile Height : 140 mm	• Machine Height: 2100 mm
• Min. Profile Height: 35 mm	• Machine Length: 9160 mm
• Max. Profile Width: 130 mm	• Machine Width: 3500 mm
• Min. Profile Width: 35 mm	• Machine Weight: 4700 kg
• Max. Profile Processing Length: 3500 mm	
• Min. Profile Processing Length: 330 mm	



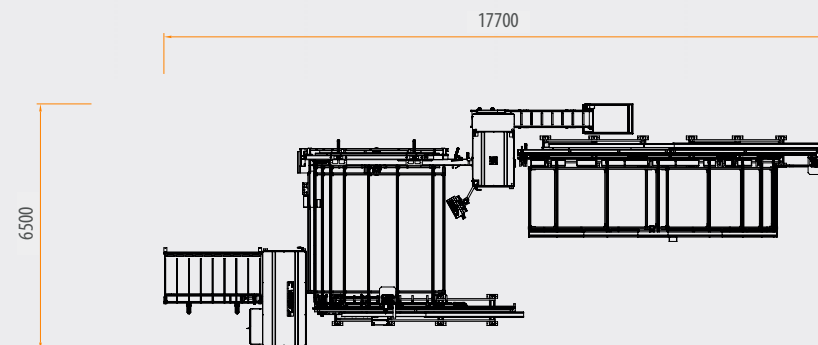


Complete solutions from one supplier

ALL AROUND THE WORLD

NR-241 PVC Profile Processing Center

PROFILE PROCESSING CENTERS » NR-241



NR-241 PVC Profile Processing Center

PROFILE PROCESSING CENTERS » NR-241

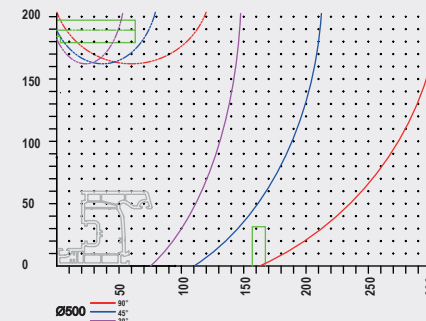
- All sawing, routing, drilling, reinforcement steel screwing, marking and end milling operations on PVC profiles are gathered in one machine controlled by computer.
- Stacking of 10 profiles .(Max. 6500 mm length)
- Servo controlled automatic swing of the saw to all angles between 30° and 150° with 0.1° accuracy.
- Drain slot routing, drilling and routing at variable angles.
- Automatic screwing of reinforcement steels.
- Drilling of fixation, triple handle and hinge holes together with the reinforcement steel.
- Automatic conveyor belt system to transport scrap profiles to waste container
- Waste profiles longer than 500 mm. can be re-processed.
- Manual barcode labeling system integrated with single-lines.
- Easy production control with the 2nd screen on the transfer station.
- 19" Led monitor.
- High performance industrial PC with Windows 10 Embedded operating systems and working between 0°C - 55°C without the need for a fan.
- All error messages can be monitored from the screen by the software developed by Haffner Machinery Software Department.
- By online connection to the entire system, remote detection of malfunctions and maintenance is available.
- Data transfer is available via network connection or USB interface.
- Full integration with various window and door production software.
- Central lubrication system to eases the machine maintenance.

OPTIONAL

- End milling of transom profiles with two blade sets for two different profile cross sections.

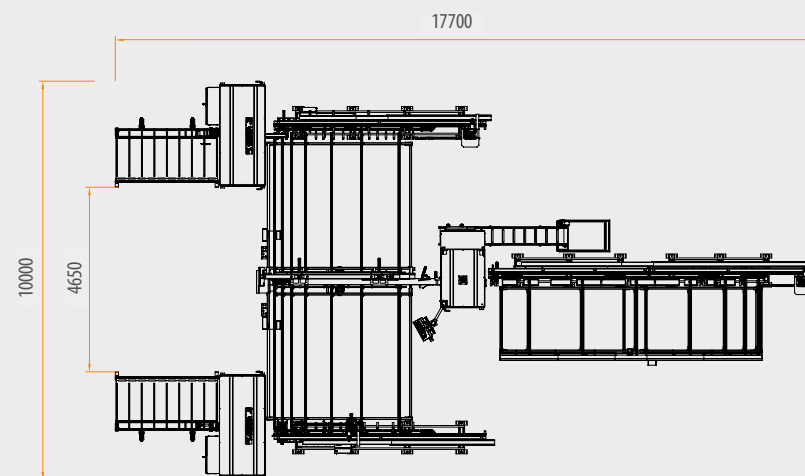
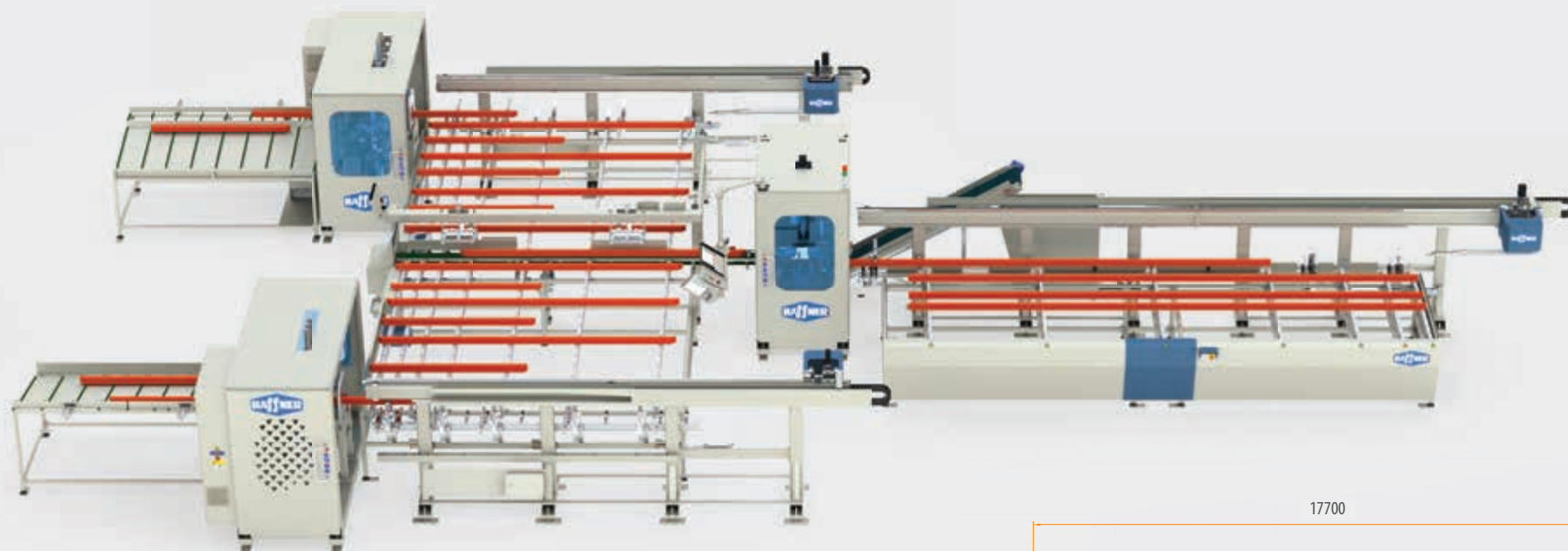
Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Min. Raw Profile Length: 500 mm
• Total Power Output: 18 kW, 45 A	• Max. Profile Processing Length: 3500 mm
• Saw Diameter : Ø 500 mm	• Min. Profile Processing Length: 330 mm
• Max. Profile Height : 140 mm	• Air Consumption: 720 l/min.
• Min. Profile Height: 35 mm	• Machine Height : 2350 mm
• Max. Profile Width : 130 mm	• Machine Length : 17700 mm
• Min. Profile Width: 35 mm	• Machine Width : 6500 mm
• Max. Raw Profile Length : 6500 mm	• Machine Weight : 6900 kg



NR-242 PVC Profile Processing Center

PROFILE PROCESSING CENTERS » NR-242



NR-242 PVC Profile Processing Center

PROFILE PROCESSING CENTERS » NR-242

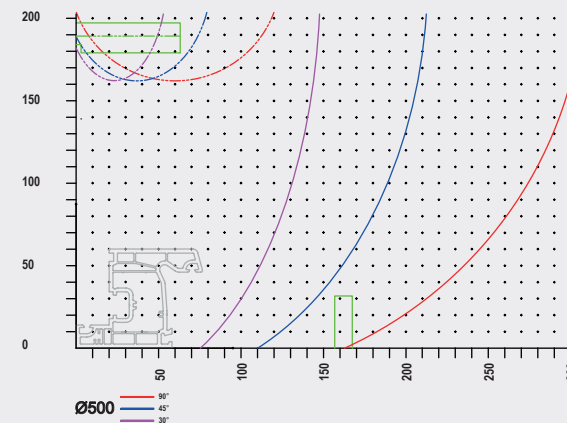
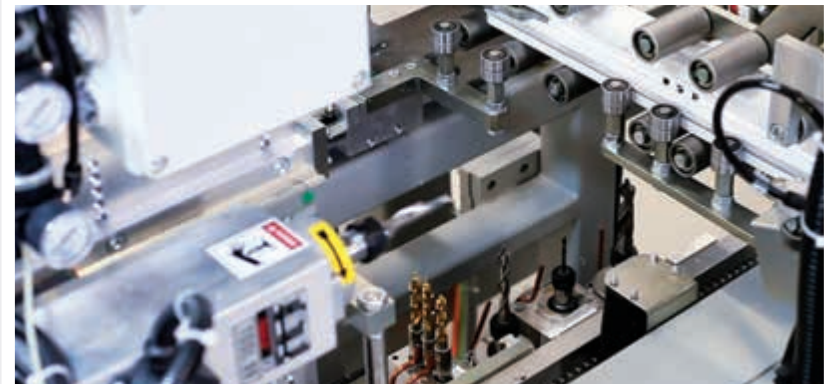
- All sawing, routing, drilling, reinforcement steel screwing, marking and end milling operations on PVC profiles are gathered in one machine controlled by computer. The two machining stations for profiles with reinforcement steel increases production capacity.
- Stacking of 10 profiles (Max. 6500 mm length)
- Servo controlled automatic swing of the saw to all angles between 30° and 150° with 0.1° accuracy.
- Drain slot routing, drilling and routing at variable angles.
- Automatic screwing of reinforcement steels.
- Drilling of fixation, triple handle and hinge holes together with the reinforcement steel.
- Automatic conveyor belt system to transport scrap profiles to waste container.
- Waste profiles longer than 500 mm. can be re-processed.
- Manual barcode labeling system integrated with single-lines.
- Easy production control with the 2nd screen on the transfer station.
- 19" Led monitor.
- High performance industrial PC with Windows 10 Embedded operating systems and working between 0°C - 55°C without the need for a fan.
- All error messages can be monitored from the screen by the software developed by Haffner Machinery Software Department.
- By online connection to the entire system, remote detection of malfunctions and maintenance is available.
- Data transfer is available via network connection or USB interface.
- Full integration with various window and door production software.
- Central lubrication system to eases the machine maintenance.

OPTIONAL

- End milling unit for two different profile cross sections.

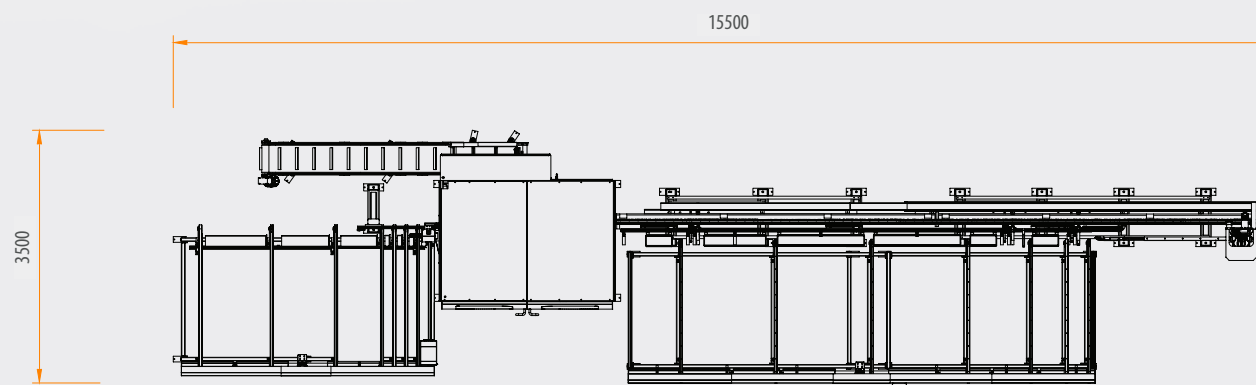
Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Min. Raw Profile Length: 500 mm
• Total Power Output: 30 kW, 80 A	• Max. Profile Processing Length: 3500 mm
• Saw Diameter : Ø 500 mm	• Min. Profile Processing Length: 330 mm
• Max. Profile Height: 140 mm	• Air Consumption: 1200 l/min.
• Min. Profile Height: 35 mm	• Machine Height: 2350 mm
• Max. Profile Width: 130 mm	• Machine Length: 17700 mm
• Min. Profile Width: 35 mm	• Machine Width: 10000 mm
• Max. Raw Profile Length : 6500 mm	• Machine Weight: 10800 kg



SBA-2 PVC 120 E

PROFILE PROCESSING CENTERS » SBA-2 PVC 120 E



SBA-2 PVC 120 E

PROFILE PROCESSING CENTERS » SBA-2 PVC 120 E

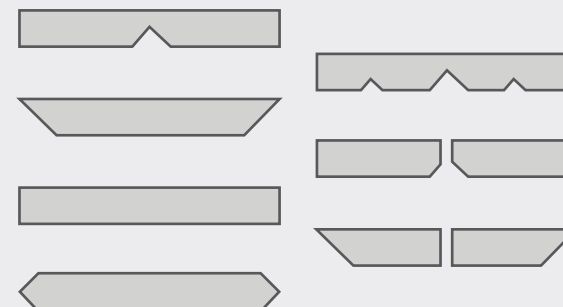
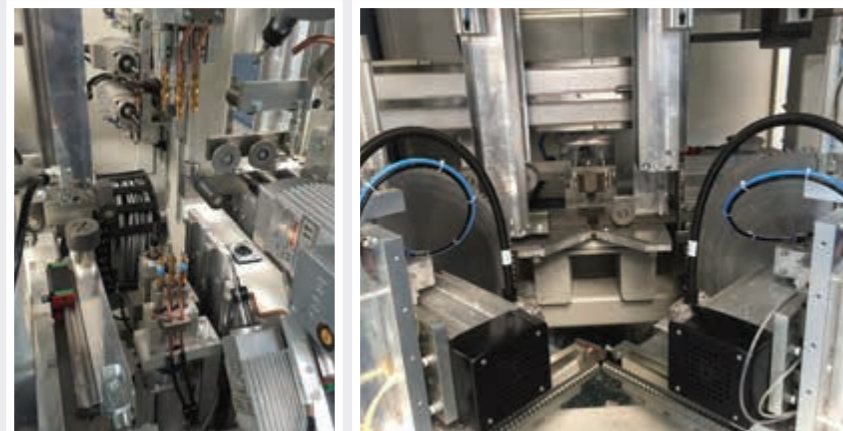
- All sawing, routing, drilling, marking operations and able to do special cutting operations V-notch, Y-Notch, Arrowhead cutting on PVC profiles are gathered in one machine controlled by computer.
- Able to work in high speed and precision thanks to 7 axis controlled by servo motors
- Stacking of 10 profiles (Max. 6500 mm length)
- Programmable Gripper Unit with zero point positioning.
- 12 Tool dedicated routing station with option for special tooling if required.
- Cutting Station with 3 x 550mm diameter Saw-blades for greater accuracy and speed
- Automatic profile support system to avoid rolling of profiles
- Automatic conveyor belt system to transport scrap profiles to waste container.
- Manual barcode labeling system integrated with single-lines.
- Extraction system for saw unit.
- High performance 15" touch industrial PC with Windows 10 Embedded operating system, worked between 0°C and 55°C without the need for a fan.
- Ability to see all error messages on the screen with the interface program.
- Data transfer is available via network connection or USB interface.
- Central lubrication system to eases the machine maintenance.

OPTIONAL

- Automatic Central Lubrication System
- Cooling Unit For Electrical Cabinet

Technical Features :

• Power Supply: 220-440V, 3~ 60 Hz	• Min. Profile Processing Length: 400 mm
• Power Output: 15 kW, 40A	• Min. Profile Width: 40 mm
• Machine Height: 2400 mm	• Max. Profile Width: 130 mm
• Machine Length: 15500 mm	• Min. Profile Cutting Height: 45 mm
• Machine Width: 3500 mm	• Max. Profile Cutting Height: 140 mm
• Air Pressure: 6-8 bar	• Max. Raw Profile Length: 6500 mm
• Air Consumption: 120 l/min.	• Machine Weight: 5000 kg
• Max. Profile Processing Length: 6500 mm	

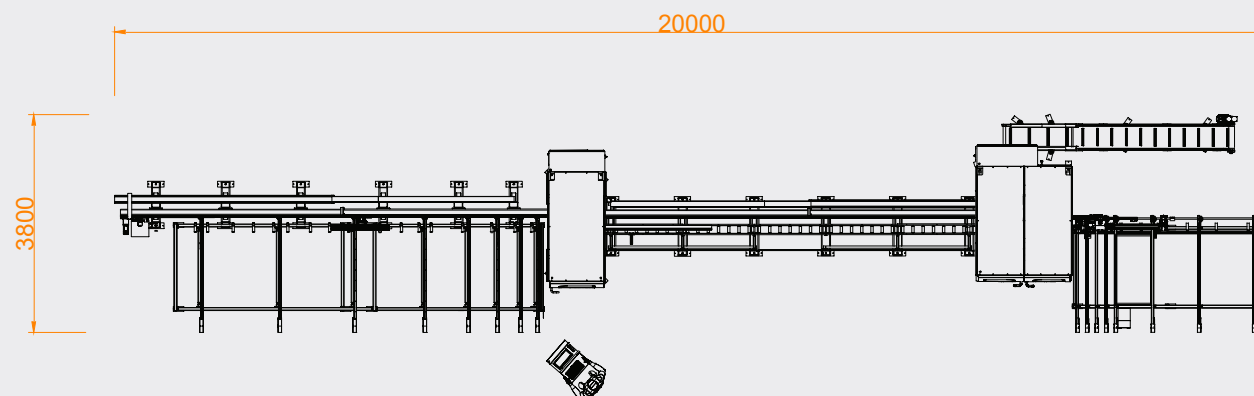


Operating Features :

- 45-90-45 Cutting for Square, Mitre, V-Notch, Y-Notch and Arrow Head cutting.
- Drainage, Concealed, Face, Internal or Externally glazed.
- Friction stay marking, Keeps, Door hinges and Low Threshold.
- Frame and Sash Routing. Single 3 or 4 Point,
- French, Bifold, Patio Doors etc.
- Letter Boxes and Fixing Holes. Espagnolette, Shootbolt, Tilt and Turn and Reversible Locks.
- Frame Drilling, Reinforcement marking. Manual Labelling with Zebra Printer.

SBA-4 PVC 240 E

PROFILE PROCESSING CENTERS » SBA-4 PVC 240 E



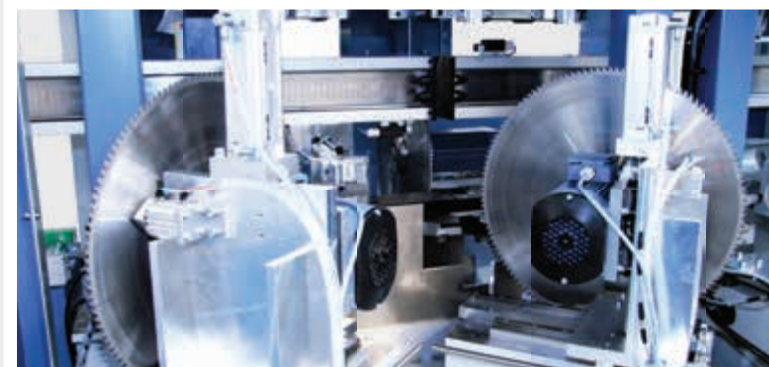
SBA-4 PVC 240 E

PROFILE PROCESSING CENTERS » SBA-4 PVC 240 E

- All sawing, routing, drilling, marking operations and able to do special cutting operations V-notch, Y-Notch, Arrowhead cutting on PVC profiles are gathered in one machine controlled by computer.
- Able to work in high speed and precision thanks to 10 axis controlled by servo motors.
- Stacking of 10 profiles.(Max. 6500 mm length)
- Programmable Gripper Unit with zero point positioning.
- 12 Tool dedicated routing station with option for special tooling if required.
- Cutting Station with 3 x 550mm diameter Saw-blades for greater accuracy and speed.
- Automatic profile support system to avoid rolling of profiles .
- Automatic conveyor belt system to transport scrap profiles to waste container.
- High performance 15" touch industrial PC with Windows 10 Embedded operating system, worked between 0°C and 55°C without the need for a fan.
- Extraction system for saw unit.
- Ability to see all error messages on the screen with the interface program.
- Data transfer is available via network connection or USB interface.
- Central lubrication system to eases the machine maintenance.

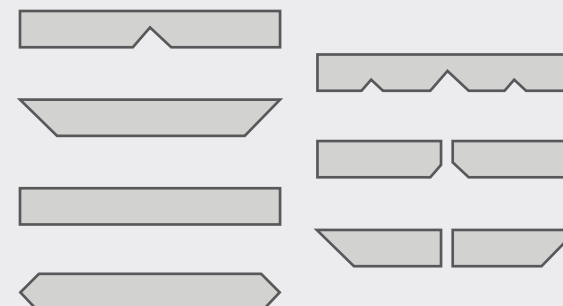
OPTIONAL

- Automatic Central Lubrication System
- Cooling Unit For Electrical Cabinet



Technical Features :

• Power Supply: 220-440V, 3~ 60 Hz	• Min. . Profile Processing Length: 400 mm
• Power Output: 15 kW, 40A	• Min. Profile Width: 40 mm
• Machine Height: 2500 mm	• Max. Profile Width: 130 mm
• Machine Length: 20000 mm	• Min. Profile Cutting Height: 45 mm
• Machine Width: 3800 mm	• Max. Profile Cutting Height: 140 mm
• Air Pressure: 6-8 bar	• Max. Raw Profile Length: 6500 mm
• Air Consumption: 150 l/min.	• Machine Weight: 5900 kg
• Max. . Profile Processing Length: 6500 mm	



MAC-140 PVC Profile Processing Center

PROFILE PROCESSING CENTERS » MAC-140

- PC controlled 3-axis interpolated vertical CNC Machine.
- Able to move in 3 axis simultaneously on the work piece. (Axis interpolation)
- Ability to work with high accuracy on PVC door, window and facade profiles. (+/- 0,1mm)
- Ability to fix the profiles rigidly with 3 pieces Clamp.
- Central lubrication system to ease the machine maintenance.



Technical Features :

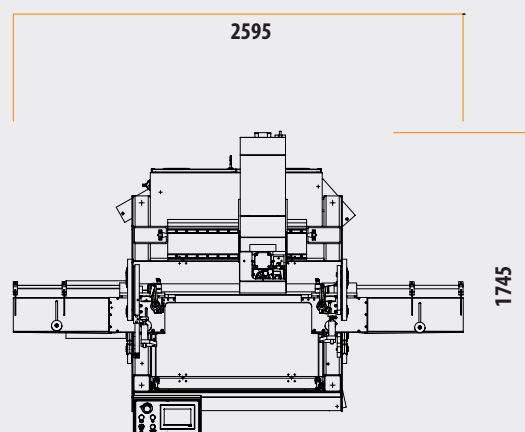
• Power Supply: 400 V, 3 ~ 50-60 Hz	• Machine Height: 1940 mm
• Total Power Output: 8 kW, 32 A	• Machine Length : 1380 + 5760 mm (Conveyor length)
• Spindle Motor: 5,5 kW, 18000 rpm	• Machine Width : 1400 mm
• Air Consumption: 80 l/min.	• Machine Weight : 650 kg
• Min. Profile Height: 30 mm	
• Max. Profile Height: 140 mm	
• Max. Profile Width: 150 mm	



MAC-140/50 PVC Profile Processing Center

PROFILE PROCESSING CENTERS » MAC-140/50

- PC controlled 4-axis interpolated CNC Machine.
- Able to move in 3 axis simultaneously on the work piece. (Axis interpolation)
- Servo axis rotating table.
- With the help of the 4th axis ability to process angular for all surfaces of the profile.
- Ability to work with high accuracy on Aluminium door, window and facade profiles (+/- 0,1mm)
- Ability to fix the profiles rigidly with 2 pieces horizontal and 2 pieces vertical clamps.
- Central lubrication system to ease the machine maintenance.



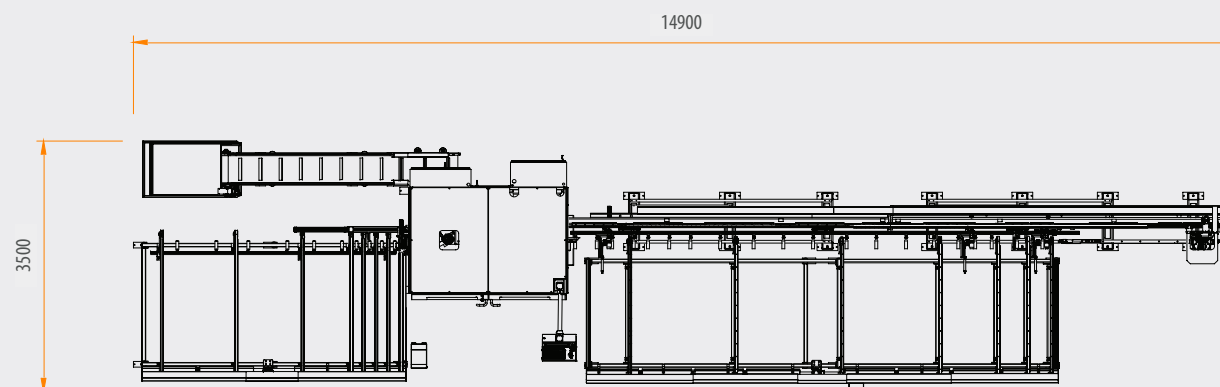
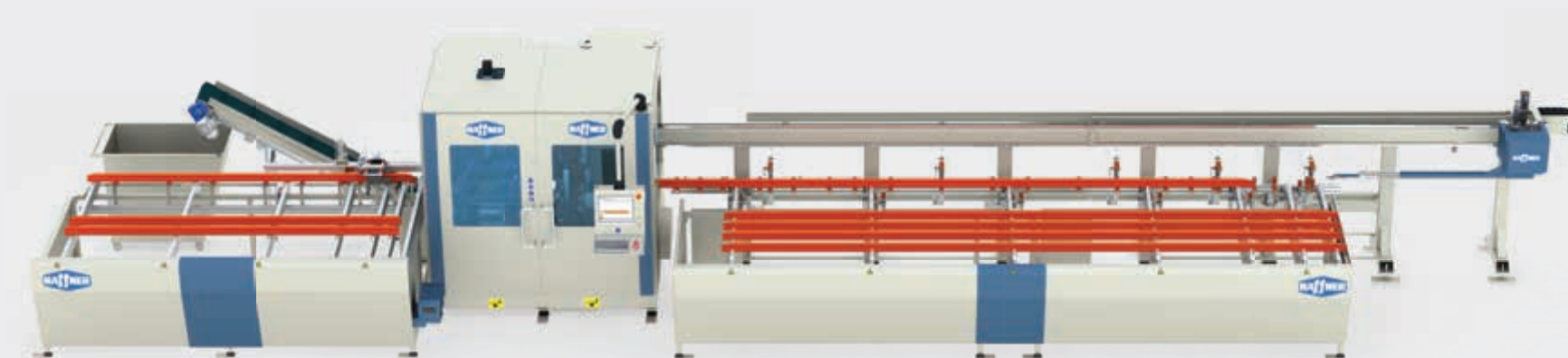
Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Machine Height : 1965 mm
• Total Power Output: 9 kW, 34 A	• Machine Length : 2595 mm
• Spindle Motor: 5,5 kW, 18000 rpm	• Machine Width : 1745 mm
• Air Consumption: 80 l/min.	• Machine Weight : 850 kg
• Min. Profile Height: 30 mm	
• Max. Profile Height: 200 mm	
• Max. Profile Width: 200 mm	



DMC-053 PVC Profile Processing Center

PROFILE PROCESSING CENTERS › DMC-053



DMC-053 PVC Profile Processing Center

PROFILE PROCESSING CENTERS » DMC-053

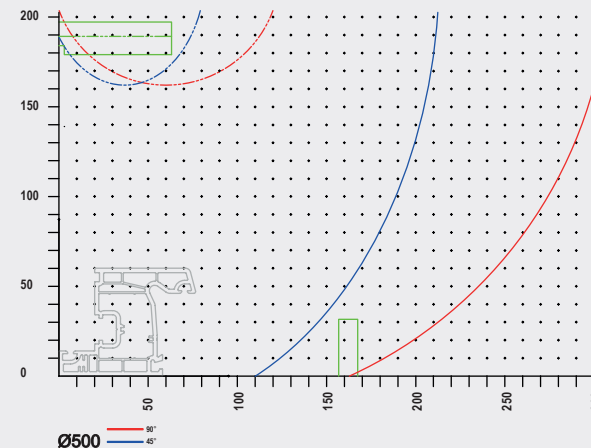
- All sawing, routing, drilling, marking operations on PVC profiles are gathered in one machine controlled by computer.
- To be able to perform operations on American type profiles. (*)
- Stacking of 10 profiles.(Max. 6500 mm length)
- Automatic cutting in all angles between 45°and 135° with accuracy of 0,1° by means of servo motors.
- Able to work in high speed and precision thanks to 7 axis controlled by servo motors.
- Drain slot routing, drilling and routing at variable angles.
- Automatic conveyor belt system to transport scrap profiles to waste container.
- Opens barrel, mirror and handle holes at door profiles simultaneously to increase the production speed.
- Ability to notify the user against incorrect loaded profile thanks to profile recognition system
- Able to perform all operations precisely by the 9 tools in the routing group.
- Manual barcode labeling system integrated with single-lines.
- 15" touch screen monitor.
- High performance industrial PC with Windows 10 Embedded operating systems and working between 0°C - 55°C without the need for a fan.
- Ability to work with data from different window production software ensuring minimum wastage .
- All error messages can be monitored from the screen by the software developed by Haffner Machinery Software Department.
- Problem identification, solution and servicing by means of remote connections
- The software cleans unnecessary processes and sustains maximum security against virus attacks and user faults at every system start-up and turn-off.
- Data transfer is available via network connection or USB interface.
- Ability to back-up daily data on internal storage unit
- With shift monitoring system, all operations can be controlled daily, weekly, monthly and yearly
- Central lubrication system to eases the machine maintenance.
- * Profiles to be processed must be examined beforehand.

OPSİYONEL

- DV-410 Screw Unit can be added as an option for Reinforcement profile screwing.

Technical Features :

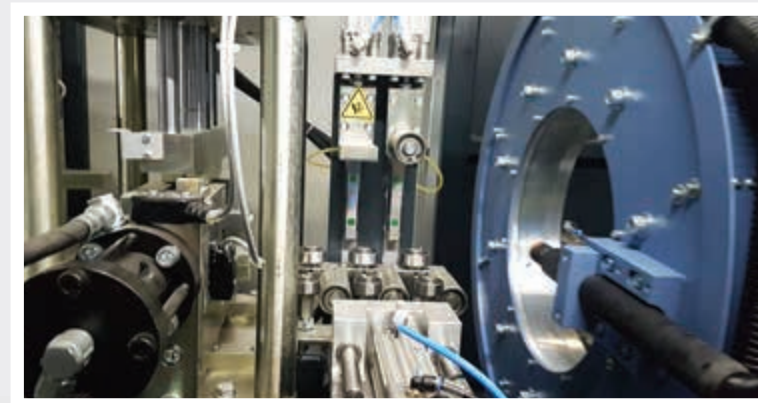
• Power Supply: 400 V, 3 ~ 50-60 Hz	• Max. Raw Profile Length: 4000 mm
• Total Power Output: 15 kW, 37,5 A	• Min. Profile Processing Length: 330 mm
• Saw Diameter : Ø 500 mm	• Air Pressure: 6-8 bar
• Max. Profile Processing Height : 160 mm	• Air Consumption: 608 l/min.
• Max. Profile Processing Width : 130 mm	• Machine Height : 2360 mm
• Min. Profile Processing Height: 35 mm	• Machine Length : 14900 mm
• Min. Profile Processing Width: 35 mm	• Machine Width: 3500 mm
• Max. Raw Profile Length : 6500 mm	• Machine Weight : 3650 kg
• Min. Raw Profile Length: 500 mm	



DS-902 Reinforcement Profile Cutting Center

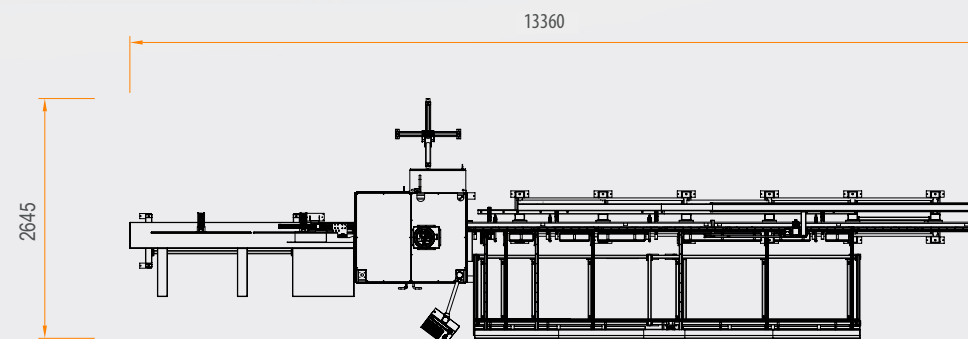
PROFILE PROCESSING CENTERS » DS-902

- Advanced industrial CNC 4-axis profile processing systems.
- Stacking of 10 reinforcement profiles .(max 6.000 mm length)
- High-tech plasma cutting unit.
- Slot opening and hole drilling operations is constructed by plasma unit and cutting operation is constructed by punch group on Steel Reinforcement profiles.
- Adopts imported high precision linear bearing system, ball screws, gear racks and servo motor to ensure smooth motion , positioning and processing in high precision .
- Problem identification, solution and servicing by means of remote connections.



Technical Features :

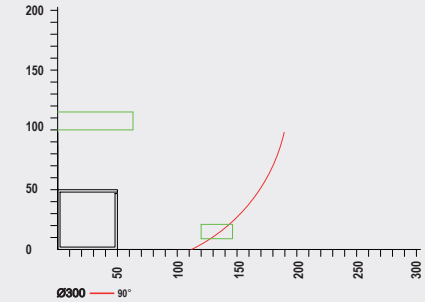
• Power Supply: 400 V, 50 Hz	• Min. Raw Profile Length : 500 mm
• Total Power Output: 15 kW, 40 A	• Machine Height : 2150 mm
• Air Pressure: 300 l/min	• Machine Length : 13360 mm
• Min. Profile Height : 20 mm	• Machine Width : 2645 mm
• Max. Profile Height : 60 mm	• Machine Weight : 3750 kg
• Min. Profile Width : 20 mm	
• Max. Profile Width : 60 mm	
• Min. Profile Processing Length : 330 mm	



RC-600 Reinforcement Profile Cutting and Processing Center

PROFILE PROCESSING CENTERS » RC-600

- Automatic and fast cutting of Reinforcement Profiles at different lengths.
- Loading of 5-10 reinforcement profiles. (Max.6500 mm length)
- Automatically feeds the profiles from the loading magazine, cuts at the desired lengths.
- The 420 mm. saw blade diameter enables cutting of wide profiles.
- The saw blade feed speed can be adjusted.
- 7" touch screen monitor.
- Able to measure with Optimisation for the minimum waste profiles.
- Accurate cutting lengths due to servo system.
- Data transfer is available via network and connection or USB storage.
- The cut work pieces are automatically moved to off-loading station.
- All error messages can be monitored from the screen by the software developed by Haffner Machinery Software Department.



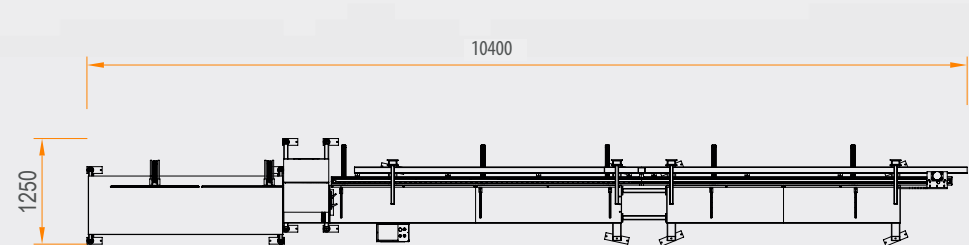
OPSİYONEL

- Barcode printer (AK 003)



Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Max. Profile Width : 95 mm
• Total Power Output: 3 kW, 10 A	• Machine Height : 1810 mm
• Saw Motor Power : 2,2 kW	• Machine Length : 10400 mm
• Air Pressure: 6-8 bar	• Machine Width : 1250 mm
• Air Consumption: 100 l/min.	• Machine Weight : 1250 kg
• Min. Profile Height : 15 mm	
• Min. Profile Width: 15 mm	
• Max. Profile Height : 80 mm	



REINFORCEMENT SCREW DRIVER MACHINES



DV-404	45
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DV-410	47

DV-404 Reinforcement Profile Screwing Machine

REINFORCEMENT SCREW DRIVER MACHINES » DV-404

- For single profile processing.
- Automatic screwing of the reinforcement profile by means of foot pedal switch.
- Adjustable according to different profile cross sections.
- Automatic screw feed.
- Automatic depth stop system independent from profile height.
- Standard equipped with profile support conveyors left and right.
- Pneumatic clamping during processing.



Technical Features :

• Max. Profile Section Dimensions: 110 mm x 80 mm	• Machine Height : 2150 mm
• Min. Profile Width: 40 mm	• Machine Length: 400 mm (3910 mm included conveyors)
• Air Pressure: 6-8 bar	• Machine Width: 750 mm
• Air Consumption: 200 l/min.	• Machine Weight: 105 kg

DV-408 Automatic Reinforcement Profile Screwing Machine

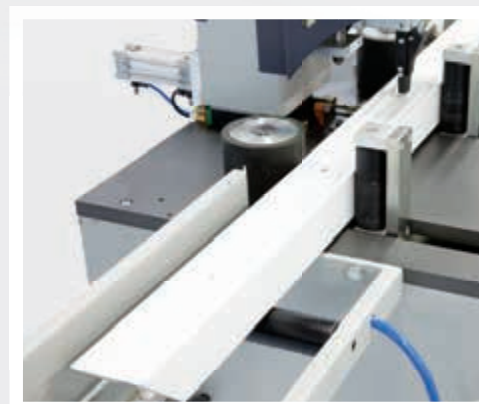
REINFORCEMENT SCREW DRIVER MACHINES » DV-408

- For single profile processing.
- 5" Operator panel PLC controlled driver system ensures fast screwing of reinforcement profiles at desired intervals
- Automatic profile off loading system provides space for the next profile ensuring continuous Operation.
- Adjustable according to different profile cross sections.
- Profile dimensions and screwing length intervals can be identified manually from the screen.
- Automatic screw feed.
- Automatic depth stop system independent from profile height.
- Pneumatic clamping during processing.



Technical Features :

• Power Supply: 230 V, 3 ~ 50-60 Hz	• Machine Height: 2100 mm
• Power Output: 0,2 kW	• Machine Length: 1350 mm (+6120 mm included conveyors)
• Air Pressure: 6-8 bar	• Machine Width: 1040 mm
• Air Consumption: 200 l/min.	• Machine Weight: 350 kg
• Max. Profile Section Dimensions: 200 mm x 80 mm	
• Min. Profile Width: 35 mm	



DV-410 Automatic Reinforcement Profile Screwing Machine with Triple Drilling

REINFORCEMENT SCREW DRIVER MACHINES » DV-410

- Screwing and Triple handle drilling operations on PVC profiles are gathered in one machine controlled by computer.
- Loading o10 profiles. (Max.5000 mm length)
- Able to screw and triple drill operations due to servo system
- Two screwdriving units, one fixed and the other movable simultaneously.
- Automatic profile off-loading station
- Adjustable screwing positions according to different profile cross sections.
- Automatic screw feed.
- Automatic screwing depth stop system independent from profile height.
- Pneumatic profile fixing system during the Process.



OPTIONAL

- Frame Installation hole unite.

Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Machine Length: 9219 mm
• Total Power Output: 5 kW, 13 A	• Machine Width : 3016 mm
• Air Pressure: 6-8 bar	• Machine Height : 2300 mm
• Air Consumption: 550 l/min.	• Machine Weight: 1500 kg
• Max. Profile Width : 180 mm	
• Min. Profile Height: 35 mm	
• Max. Profile Width: 135 mm	
• Min. Profile Width: 30 mm	



END MILLING MACHINES



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FA-526	50
FA-535	50
FA-400	51
FA-536	51

FA-154 End Milling Machine

END MILLING MACHINES » FA-154

- For end milling of transom in PVC profiles.
- Automatic feed of the milling unit.
- Ability to route at varying angles up to 45° left and 30° right.
- Vertical pneumatic profile clamping system enables optimum work piece fixing.



OPTIONAL

- Cooling system for aluminum profiles. (AS 021)
- Hydro-pneumatic feed system to route aluminum profiles. (AH 041)

Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Air Pressure: 6-8 bar
• Power Output: 1,1 kW	• Air Consumption: 20 l/min. (70 l/min. cooling system)
• Max. Cutter Diameter: Ø 160 mm	• Machine Height: 1220 mm
• Spindle Speed: 2800 rpm	• Machine Length: 960 mm
• Max. Routing Height: 90 mm	• Machine Width: 820 mm
• Max. Routing Depth: 30 mm	• Machine Weight: 75 kg
• Max. Profile Width: 120 mm	
• Max. Profile Height: 90 mm	

FA-533 End Milling Machine

END MILLING MACHINES » FA-533

- For end milling of transom in PVC profiles.
- Without changing the cutter set, two different series of transom profiles can be processed.
- Vertical pneumatic profile clamping system enables optimum work piece fixing.
- Ability to route at varying angles up to 45° left and 30° right.
- Positioning of the tools with pneumatic feed cylinder.
- Automatic feed of the milling unit.
- The saw blade feed speed can be adjusted.



OPTIONAL

- Cooling system for aluminum profiles. (AS 021)
- Hydro-pneumatic feed system to route aluminum profiles. (AH 041)

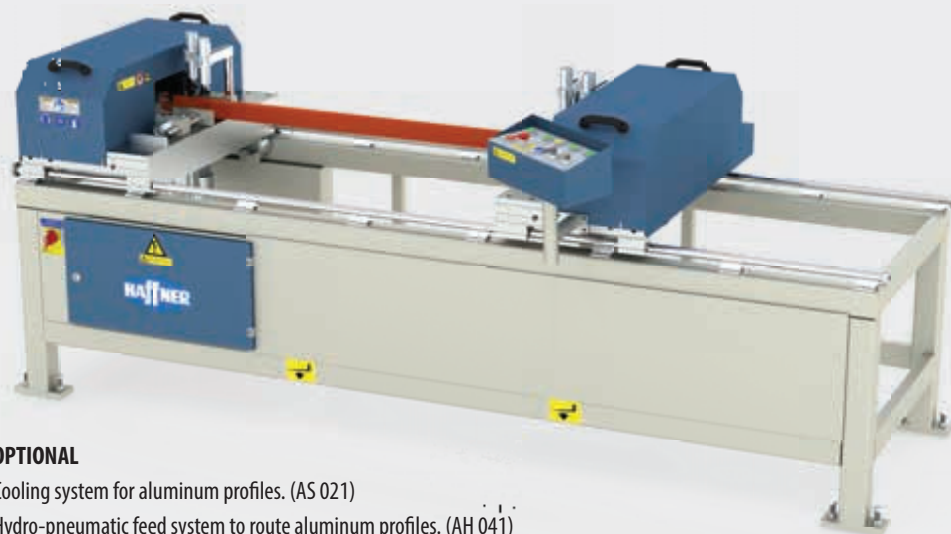
Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Air Pressure: 6-8 bar
• Power Output: 1,1 kW	• Air Consumption: 20 l/min. (70 l/min. cooling system)
• Max. Cutter Diameter: Ø 160 mm	• Machine Height: 1220 mm
• Spindle Speed: 2800 rpm	• Machine Length: 960 mm
• Max. Routing Height: 90 mm	• Machine Width: 820 mm
• Max. Routing Depth: 30 mm	• Machine Weight: 95 kg
• Max. Profile Width: 120 mm	
• Max. Profile Height: 90 mm	

FA-526 Double Head End Milling Machine

END MILLING MACHINES » FA-526

- Milling of two ends of transom in PVC profiles with single operation.
- Automatic feed of the milling unit.
- The movable head is manually positioned according to the profile length and manually fixed.
- Automatic release of the fixed head after milling and repositioning at the same length for second transom.
- Vertical and horizontal pneumatic profile clamping system enables optimum work piece fixing.
- Positioning of the tools with pneumatic feed cylinder.
- Without changing the cutter set, two different series of transom profiles can be processed.



OPTIONAL

- Cooling system for aluminum profiles. (AS 021)
- Hydro-pneumatic feed system to route aluminum profiles. (AH 041)

Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Air Pressure: 6-8 bar
• Total Power Output: 2,2 kW	• Air Consumption: 20 l/min. (70 l/min. cooling system)
• Max. Cutter Diameter: Ø 160 mm	• Machine Height: 1150 mm
• Spindle Speed: 2800 rpm	• Machine Length: 3150 mm
• Max. Routing Height: 90 mm	• Machine Width: 1200 mm
• Max. Routing Depth: 30 mm	• Machine Weight: 350 kg
• Max. Profile Width: 120 mm	
• Max. Profile Height: 90 mm	

FA-535 End Milling and Screwing Machine

END MILLING MACHINES » FA-535

- For end milling of transom in PVC profiles.
- UPVC transom profiles without need adjust at one time on both sides ability to wedge screwing.
- Vertical and horizontal pneumatic profile clamping system enables optimum work piece fixing.
- One piece of end milling and wedge screwing time is approx. 18 to 20 second.
- Ability to work fast and safety with automatic end milling wedge unit.
- Moulding system provides easy changing wedge system.
- All error messages can be monitored on the screen.
- Easy and safe end milling changing system.
- Automatic end milling and wedge screwing.
- Ability to just feed of end milling unit.
- Ability to just feed of wedge screwing.
- Automatic screw feed.
- Easy to adjust and positioning.



Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Air Pressure: 6-8 bar
• Power Output: 1,1 kW	• Air Consumption: 200 l/min.
• Max. Cutter Diameter: Ø 160 mm	• Machine Height: 1400 mm
• Spindle Speed: 2800 rpm	• Machine Length: 750 mm
• Max. Routing Height: 90 mm	• Machine Width: 1340 mm (Screwing Box+350 mm)
• Max. Routing Depth: 30 mm	• Machine Weight : 450 kg
• Max. Profile Width: 140 mm	
• Max. Profile Height: 90 mm	

FA-400 Gasket Milling Machine

END MILLING MACHINES » FA-400

- It cuts PVC gaskets and parts under the gasket before welding and prevents the gasket from swelling under the weld.
- Four cutting Saw.



Technical Features :

• Power Supply: 230V, 1 ~ 50-60 Hz	• Machine Length: 1463 mm
• Total Power Output: 1,5 kW	• Machine Width: 1000 mm
• Max. Profile Width: 120 mm	• Machine Weight: 350 kg
• Max. Profile Height: 130 mm	
• Min. Profile Height: 30 mm	
• Air Pressure: 6-8 bar	
• Air Consumption: 50 l/min.	
• Machine Height: 1220 mm	

FA-536 End Milling Machine (Woodgrain)

END MILLING MACHINES » FA-536

- Double Head and Double Stack End Milling Operations in PVC profiles with wood look.
- Vertical and horizontal pneumatic profile clamping system enables optimum fixing of the profile.



Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Machine Length: 2050 mm
• Total Power Output: 4,5 kW, 12 A	• Machine Width: 1510 mm
• Max. Profile Width: 120 mm	• Machine Weight: 590 kg
• Max. Profile Height: 130 mm	
• Min. Profile Height: 30 mm	
• Air Pressure: 6-8 bar	
• Air Consumption: 200 l/min	
• Machine Height: 1675 mm	



WELDING MACHINES



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KB-512 Single Head Welding Machine

WELDING MACHINES » KB-512

- Strongly welds PVC proles at variable angles between 45° - 180°
- Welds both colored and white proles with 0,2mm welding seam restriction.
- Melting and welding time are digitally adjusted.
- All operations are controlled by the digital touchscreen display.
- Long lasting heating plates distribute heat homogenously.
- Ability to clean the heater plates easily.
- Long lasting Teflon usage and easy change by special Teflon system.
- Practical welding fixture changing system.
- The proles are clamped simultaneously by foot pedal switch.



Technical Features :

• Power Supply: 230 V, 50-60 Hz	• Machine Length: 800 mm
• Total Power Output: 1,5 kW	• Machine Width: 750 mm
• Air Pressure: 6-8 bar	• Machine Weight: 135 kg
• Air Consumption: 28 l/min.	
• Min.Profile Height: 38 mm	
• Max. Profile Height: 175 mm	
• Max. Profile Width: 140 mm (for 90° Welding)	
• Machine Height: 1650 mm	



KB-513 Single Head Welding Machine

WELDING MACHINES » KB-513

- Strongly welds PVC profiles at variable angles between 45° - 180°
- Only welds white profiles. (1.2 mm welding seam restriction)
- Melting and welding time are digitally adjusted.
- All operations are controlled by the digital touchscreen display.
- Long lasting heating plates distribute heat homogenously.
- Ability to clean the heater plates easily.
- Long lasting Teflon usage and easy change by special Teflon system.
- Practical welding fixture changing system.
- The profiles are clamped simultaneously by foot pedal switch.



Technical Features :

• Power Supply: 230 V, 50-60 Hz	• Machine Length: 800 mm
• Total Power Output: 1,5 kW	• Machine Width: 630 mm
• Max. Profile Width: 140 mm (for 180° Welding)	• Machine Weight: 105 kg
• Max. Profile Height: 125 mm	
• Min. Profile Height: 38 mm	
• Air Pressure: 6-8 bar	
• Air Consumption: 20 l/min.	
• Machine Height: 1480 mm	

KB-515 Single Head Welding Machine

WELDING MACHINES » KB-515

- Strongly welds PVC profiles at variable angles between 45° - 180°
- Welds both colored and white profiles with 1,2 mm welding seam restriction.
- Melting and welding time are digitally adjusted.
- All operations are controlled by the digital touchscreen display.
- Long lasting heating plates distribute heat homogenously.
- Ability to clean the heater plates easily.
- Long lasting Teflon usage and easy change by special Teflon system.
- Practical welding fixture changing system.
- The profiles are clamped simultaneously by foot pedal switch.



Technical Features :

• Power Supply: 230 V, 50-60 Hz	• Machine Length: 1850 mm
• Total Power Output: 1,5 kW	• Machine Width: 1035 mm
• Max. Profile Width: 200 mm (for 180° Welding)	• Machine Weight: 360 kg
• Max. Profile Height: 180 mm	
• Min. Profile Height: 30 mm	
• Air Pressure: 6-8 bar	
• Air Consumption: 28 l/min.	
• Machine Height: 1670 mm	

KC-258 Double Head Welding Machine

WELDING MACHINES » KC-258

- Movable head is moved to the desired position manually and fixed by pneumatic brakes.
- Welds both colored and white profiles with 0,2 mm welding seam restriction.
- Fixed left head allows welding at variable angles between 60° - 180°.
- Strongly welds two corners of PVC profiles with single operation.
- All operations are controlled by the digital touchscreen display.
- Long lasting heating plates distribute heat homogenously.
- Practical welding fixture changing system.
- Long lasting Teflon usage and easy change.
- Manually movable right head welds 90°
- Ability to clean the heater plates easily.

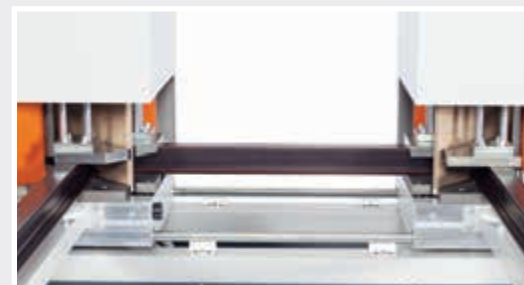
OPTIONAL

KC-258 /20 (Heritage)

- Double Head Welding Machine Heritage (one side)

KC-258 /40 (Timberweld)

- Double Head Welding Machine Heritage (double sides)



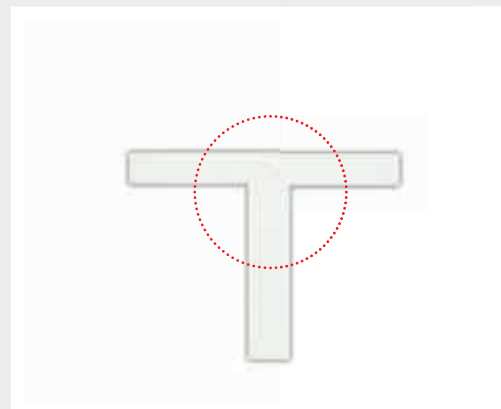
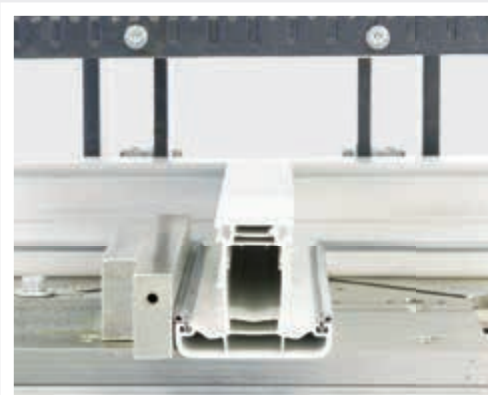
Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Air Consumption: 100 l/min.
• Total Power Output: 3 kW	• Machine Height: 1640 mm
• Max. Welding Length : 3400 mm	• Machine Length: 3950 mm
• Min. Welding Length: 425 mm	• Machine Width: 760 mm (+1000 mm profile support arms)
• Max. Profile Width: 130 mm (for 90. Welding)	• Machine Weight: 500 kg
• Max. Profile Height: 190 mm	
• Min. Profile Height: 38 mm	
• Air Pressure: 6-8 bar	

KV-312 V Welding Machine

WELDING MACHINES » KV-312

- Welds "V-Cut" transform profile to frame profile.
- Welding angle is fixed at 90°
- Strongly welds profiles with 1.2mm welding seam.
- All operations are controlled by the digital touch screen display.
- Heating and waiting time can be adjusted digitally.
- Long lasting heating plates distribute heat homogenously.
- Ability to clean the heater plates easily.
- The profiles are clamped simultaneously by fast pedal switch.



Technical Features :

• Power Supply: 230 V, 50-60 Hz	• Machine Height: 1550 mm
• Total Power Output: 1,5 kW	• Machine Length: 980 mm
• Max. Profile Width: 100 mm	• Machine Width: 730 mm
• Max. Profile Height: 130 mm	• Machine Weight: 305 kg
• Air Pressure: 6-8 bar	
• Air Consumption: 20 l/min.	



KD-658/20 Four Head Welding Machine

WELDING MACHINES » KD-658/20



KD-658/20 Four Head Welding Machine

WELDING MACHINES » KD-658/20

- Welds four corners of PVC profiles simultaneously at 90° with high accuracy.
- At automatic production mode, works according to the data obtained from window-door production software.
- PC controlled (PID) heat control system to sustain strong welding results in compliance with international standards.
- Heating temperature, melting and welding times can be adjusted individually for every profile type.
- Specially designed long lasting heating plates distributes heat homogenously without being affected from weather conditions.
- Pre-heated welding knives provide better welding results at cold weather conditions.
- Welding fixtures can be changed easily and fast.
- High performance industrial PC operated by Windows 7 Embedded system works needles of fan between 0°C – 55°C.
- 19" Led monitor.
- Data transfer is available via network connection or USB interface.
- A database of welding parameters for every individual profile defined by the user. (up to 6,000 parameters)
- All heads are moved by hardened steel ball screw which provides accuracy and durability.
- By measurement control system, cutting length defects up to 2 mm can be recovered.
- Settings for white and colored profiles can easily be done.
- Summer / winter working mode is automatically selected.
- Central lubrication system eases maintenance.
- Long lasting Teflon usage and easy change by special Teflon system.
- All error messages can be monitored from the screen by the software developed by Haffner Machinery Software Department.
- By online connection to the entire system, remote detection of malfunctions and maintenance is available.

OPTIONAL

- Automatic 0,2 mm and 1,2 mm welding seam restriction settings. (AK 050)
- Barcode Reader (AK 002)
- Gasket pressing system (AK 032)
- Welding Moulds

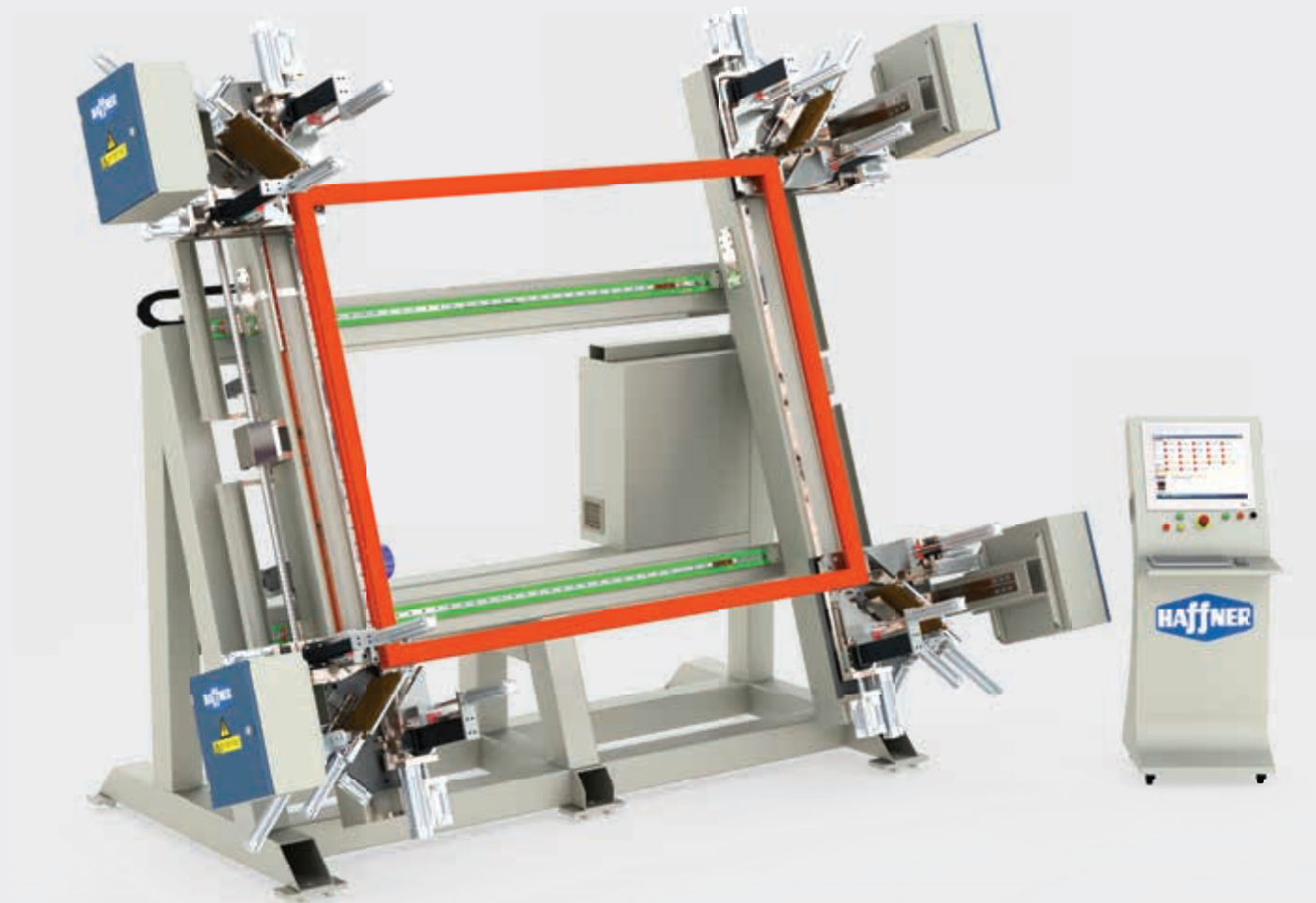
Technical Features :

• Power Supply : 400 V, 3 ~ 50-60 Hz	• Air Pressure: 6-8 bar
• Total Power Output: 11.75 kW, 30.9 A	• Air Consumption: 70 l/min.
• Max. Welding Length: 3000 mm x 2585 mm	• Machine Height: 1600 mm
• Min. Welding Length: 420 mm x 420 mm	• Machine Length: 4600 mm
• Min. Welding Length (with Gasket pressing) : 520 mm x 570 mm	• Machine Width: 4300 mm
• Max. Profile Height: 180 mm	• Machine Weight: 1665 kg
• Min. Profile Height: 30 mm	
• Max. Profile Width: 120 mm	



HWM-080 Vertical Four Head Welding Machine

WELDING MACHINES » HWM-080



HWM-080 Vertical Four Head Welding Machine

WELDING MACHINES » HWM-080

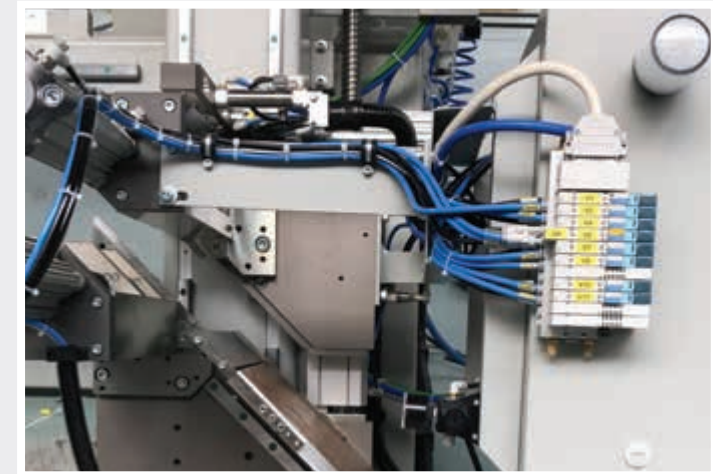
- Welds four corners of PVC profiles simultaneously at 90° with high accuracy.
- At automatic production mode, works according to the data obtained from window-door production software.
- PC controlled (PID) heat control system to sustain strong welding results in compliance with international standards.
- Heating temperature, melting and welding times can be adjusted individually for every profile type.
- Specially designed long lasting heating plates distributes heat homogenously without being affected from weather conditions.
- Welding fixtures can be changed easily and fast.
- High performance industrial PC with Windows 10 Embedded operating systems and working between 0°C - 55°C without the need for a fan.
- 19" Led monitor
- Data transfer is available via network connection or USB interface.
- A database of welding parameters for every individual profile defined by the user (up to 6,000 parameters)
- All heads are moved by hardened steel ballscrew which provides accuracy and durability with servo motors.
- Summer / winter working mode is automatically selected.
- Long lasting Teflon usage and easy change by special Teflon system.
- All error messages can be monitored from the screen by the software developed by Haffner Machinery Software Department.
- Central lubrication system to eases the machine maintenance.
- By online connection to the entire system, remote detection of malfunctions and maintenance is available.
- Data transfer is available via network connection or USB interface.

OPTIONAL

- Barcode Reader (AK 002)
- Gasket pressing system (AK 032)
- Welding Moulds
- Double Stack Welding.

Technical Features :

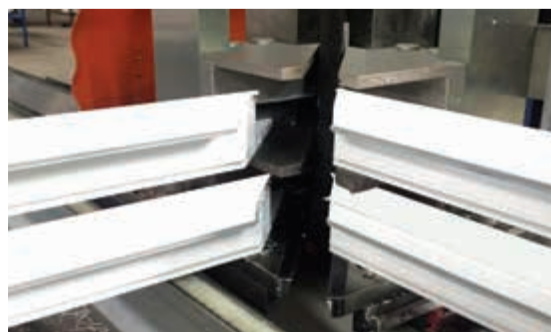
• Power Supply: 400 V, 3 ~ 50-60 Hz	• Air Pressure: 6-8 bar
• Total Power Output: 16 kW, 36 A	• Air Consumption: 120 l/min.
• Max. Welding Length: 3000 mm x 2585 mm	• Machine Height: 3230 mm
• Min. Welding Length: 420 mm x 420 mm	• Machine Length: 4230 mm
• Min. Welding Length (with Gasket pressing): 520 mm x 570 mm	• Machine Width: 2290 mm
• Max. Profile Height: 180 mm	• Machine Weight: 2150 kg
• Min. Profile Height: 30 mm	
• Max. Profile Width: 120 mm	



KD-662 Four Head Welding Machine (Double Stack)

WELDING MACHINES » KD-662

- Long lasting Teflon usage and easy change by special Teflon system between 0°C - 55°C without the need for a fan.
- PC controlled (PID) heat control system to sustain strong welding results in compliance with international standards.
- At automatic production mode, works according to the data obtained from window-door production software.
- Specially designed long lasting heating plates distributes heat homogenously without being affected
- Heating temperature, melting and welding times can be adjusted individually for every profile type.
- High performance industrial PC with Windows 10 Embedded operating systems and working
- Pre-heated welding knives provide better welding results at cold weather conditions.
- Welds four corners of PVC profiles simultaneously at 90° with high accuracy.
- Able to welding two frame at the same time and same dimension.
- 1.2 mm. welding seam restriction from weather conditions.
- 19" Led monitor.



Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Air Consumption: 80 l/min.
• Total Power Output : 11.75 kW, 30.9 A	• Machine Height: 1780 mm
• Max. Welding Length: 3000 mm x 2585 mm	• Machine Length: 4600 mm
• Min. Welding Length: 420 mm x 420 mm	• Machine Width: 4500 mm
• Max. Profile Height: 180 mm	• Machine Weight: 1850 kg
• Min Profile Height: 30 mm	
• Max. Profile Width: 120 mm	
• Air Pressure: 6-8 bar	

DWM-027 Four Head Welding Machine

WELDING MACHINES » DWM-027

- Cleans the welding seam with 19 servo-axis on the upper and lower surfaces as well as inner corners of any type of white or colored profile by patented special fixtures and special tools during the welding process.
- 15" touch screen high performance industrial PC with Windows 10 Embedded operating systems and working between 0°C - 55°C without the need for a fan.
- The software cleans unnecessary processes and sustains maximum security against virus attacks and user faults at every system start-up and turn-off.
- A database of welding parameters for every individual profile defined by the user (up to 6,000 parameters)
- Cleaning of radius and angle inner corners saves time as it reduces the operations to be done in the CNC corner cleaning machine.
- All error messages can be monitored from the screen by the software developed by Haffner Machinery Software Department.
- Specially designed long lasting heating plates distributes heat homogenously without being affected from weather conditions
- At automatic production mode, works according to the data obtained from window-door production software.
- Welds four corners of PVC profiles simultaneously at 90° with high accuracy.
- Welds to High accuracy without the need for pre-or-post cleaning of the profile.
- PC controlled (PID) heat control system to sustain strong welding results in compliance with international standards.
- Heating temperature, melting and welding times can be adjusted individually for every profile type.
- Welding moulds can be changed easily and fast.
- Data transfer is available via network connection or USB interface.
- Ability to work with high precision by the ballscrews on the motion system.
- Servo motors are moved by hardened steel ballscrew which provides accuracy and durability.
- By measurement control system, cutting length defects up to 2 mm. can be recovered.
- Summer / winter working mode is automatically selected.
- Central lubrication system to ease the machine maintenance.
- By online connection to the entire system, remote detection of malfunctions and maintenance is available.
- Ability to back-up daily data on internal storage unit.
- Daily, weekly, monthly and annually production control with shift control system.

OPTIONAL

- Barcode Reader(AK 002)
- Welding Moulds

Technical Features:

• Power Supply: 400 V 3 ~ 50-60Hz	• Machine Height: 2000 mm
• Total Power Output: 23 kW, 60 A	• Machine Length: 4300 mm
• Max. Welding Length: 3000 mm x 2580 mm	• Machine Width: 5200 mm
• Min. Welding Length: 500 mm x 500 mm	• Machine Weight: 3200 kg
• Max. Profile Height: 160 mm	
• Min. Profile Height: 50 mm	
• Max. Profile Width: 120 mm	
• Air Pressure: 6-8 bar	



SMR-4 Multi Head Welding Machine

WELDING MACHINES > SMR-4

- PC controlled (PID) heat control system to sustain strong welding results in compliance with international standards.
- Rigid linear guideway systems to restrict the stretching and gaps.
- Heating temperature, melting and welding times can be adjusted individually for every profile type
- Profile selecting system with revolver for 8 different sizes.
- Multi head welding system which can work independently from each other.
- Each head can be controlled separately for transom or 90° welding.
- Welding moulds can be changed easily and fast.
- Foldable and height adjustable profile support system.
- Ability to weld PVC profiles in "H" and "T" shape at 90°.

OPTIONAL

- Automatic Transom Alignment System.
- Multi Head Welding machine with 3, 4 or 5 heads options.



Technical Features :

• Power Supply: 220-440V, 3~ 60 Hz	• Min. Welding Length: 330 mm
• Power Output: 9 kW, 25 A	• Max. Profile Width: 130 mm (for 90° Welding)
• Machine Height: 2250 mm	• Max. Profile Height: 190 mm
• Machine Length: 4300 mm	• Welding Angel: 45°, 90° and V
• Machine Width: 1600 mm	• Machine Weight: 2000 kg
• Air Pressure: 6-8 bar	
• Air Consumption: 200 l/min.	
• Max. Welding Length: 4000 mm	

COMPLETE SOLUTIONS FROM ONE SUPPLIER

CORNER CLEANING MACHINES

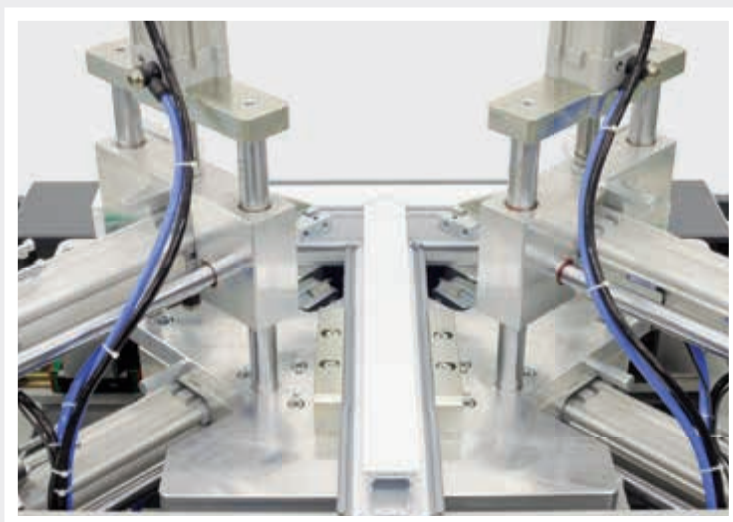


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CA-117 V-Cleaning Machines

CORNER CLEANING MACHINES » CA-117

- Cleans the surface welding seams of V-welded profiles.
- Easy to operate by single movement of the foot pedal.
- The position of the carving knives can be adjusted easily.
- Fast and accurate results on white profiles.
- Standard equipped with frame support table.



Technical Features :

- | | |
|----------------------------------|---|
| • Power Supply : 230 V, 50-60 Hz | • Machine Height : 1330 mm |
| • Air Pressure: 6-8 bar | • Machine Length : 930 mm +1280 mm (with table) |
| • Air Consumption: 30 l/min. | • Machine Width : 620 mm +360 mm (with table) |
| • Max. Profile Height: 110 mm | • Machine Weight : 180 kg |
| • Min. Profile Height: 40 mm | |
| | |
| | |

CA-747 Corner Cleaning Machine

CORNER CLEANING MACHINES » CA-747



- Cleans the welding seam on lower, upper surfaces of welded profiles with grooving knives.
- Mills the welding seam at the outer corners of welded profiles with four different set of disk cutters.
- Full automatic PLC operating system.
- Automatic identification and cutter set positioning for frame and sash profiles.
- All operations are controlled by the digital touch screen display.
- Four different cutter sets can be settled.- All operations are controlled by the digital touchscreen display.
- Automatic system for pushing the welded profiles to the back fence to provide accurate centering.
- The profiles are fixed by horizontal clamps to ensure optimum work piece fixing.
- Standard equipped with profile support arms.



Technical Features :

• Power Supply : 400 V, 3 ~ 50-60 Hz	• Air Consumption: 75 l/min.
• Total Power Output : 1,1 kW	• Machine Height : 1500 mm
• Spindle Speed: 2800 rpm	• Machine Length: 780 mm +1360 mm (with arms)
• Max. Cutter Diameter: Ø 160 mm	• Machine Width : 1075 mm +630 mm (with arms)
• Max. Profile Width : 120 mm	• Machine Weight : 250 kg
• Max. Profile Height : 90 mm	
• Min. Profile Height: 40 mm	
• Air Pressure: 6-8 bar	

CN-770/20 CNC Corner Cleaning Machine

CORNER CLEANING MACHINES » CN-770/20

- 2 axis high-speed servo controls enables fast working with high accuracy.
- Using different grooving knives enables high quality surface cleaning.
- Ultimate results in corner cleaning by specially designed 11 different tools.
- White and colored frames as well as gasket retracted and plain profiles can be chosen from the screen and cleaned automatically.
- Ergonomic operator terminal can be easily moved to every corner around the machine.
- 15" touch screen high performance industrial PC with Windows 10 Embedded operating systems and working between 0°C - 55°C without the need for a fan.
- User friendly unique interface developed by Haffner Machinery Software Department enables to create new programs and edit the existing ones easily by using the .dxf drawings of profiles on the screen.
- The software cleans unnecessary processes and sustains maximum security against virus attacks and user faults at every system start-up and turn-off.
- Ability to connect to a single line machine.
- All error messages can be monitored from the screen.
- By online connection to the entire system, remote detection of malfunctions and maintenance is available.
- Data transfer is available via network connection or USB interface.
- Infinite number of profile dimensions and properties can be stored.
- Ability to automatically back-up daily data on internal storage unit.
- With shift monitoring system, all operations can be controlled daily, weekly, monthly and yearly.
- Central lubrication system to ease the machine maintenance.
- The rails are specially coated to prevent corrosion.



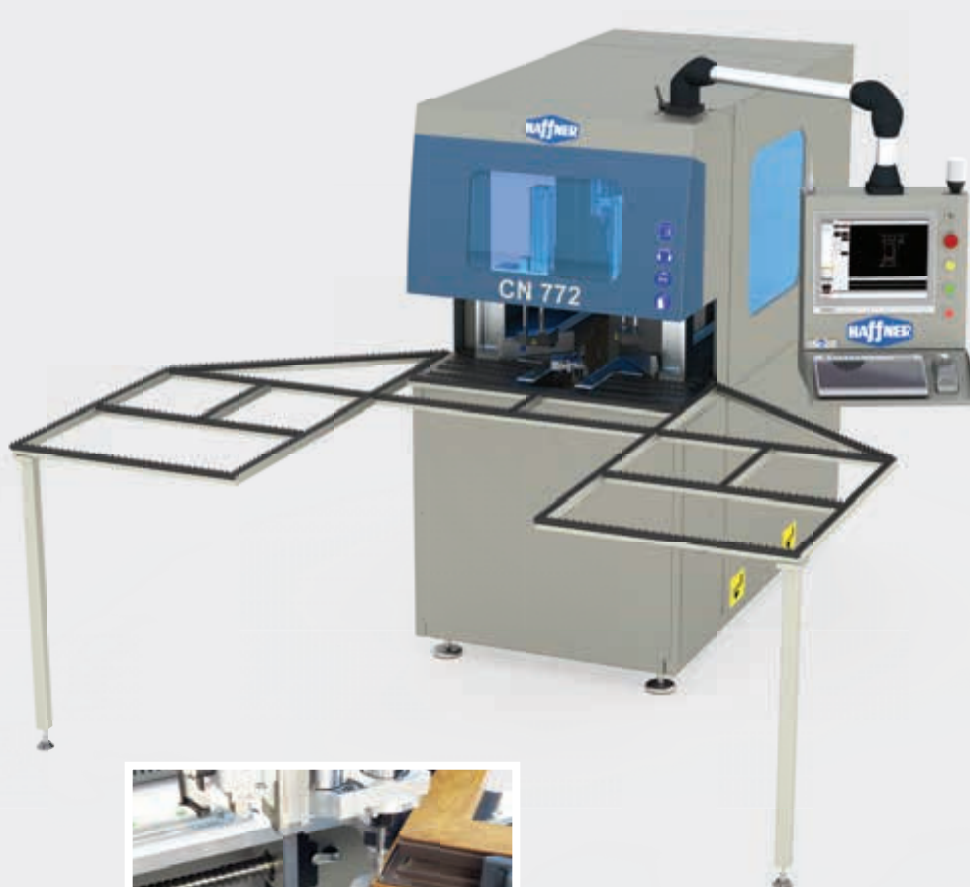
Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Air Consumption: 94 l/min.
• Total Power Output: 7 kW, 18 A	• Machine Height : 1960 mm
• Cutter Diameter: Ø 250 mm	• Machine Length : 1720 mm (2780 mm with frame support table)
• Min. Inner Frame Dimension: 340 x 340 mm	• Machine Width : 750 mm (2200 mm with frame support table)
• Max. Profile Height: : 170 mm	• Machine Weight : 500 kg
• Min. Profile Height: 30 mm	
• Max. Profile Width: 120 mm	
• Air Pressure: 6-8 bar	



CN-772 CNC Corner Cleaning Machine

CORNER CLEANING MACHINES » CN-772



- 4 axis high-speed servo controls enables fast working with high accuracy.
- Shorter work cycle by simultaneous processing on both lower and upper surfaces of the frame.
- Using different grooving knives enables high quality surface cleaning.
- Ultimate results in corner cleaning by specially designed 11 different tools.
- White and colored frames as well as gasket retracted and plain profiles can be chosen from the screen and cleaned automatically.
- Ergonomic operator terminal can be easily moved to every corner around the machine.
- 15" touch screen high performance industrial PC with Windows 10 Embedded operating systems and working between 0°C - 55°C without the need for a fan.
- User friendly unique interface developed by Haffner Machinery Software Department enables to create new programs and edit the existing ones easily by using the .dxf drawings of profiles on the screen.
- Ability to connect to a single line machine.
- All error messages can be monitored from the screen.
- By online connection to the entire system, remote detection of malfunctions and maintenance is available.
- The software cleans unnecessary processes and sustains maximum security against virus attacks and user faults at every system start-up and turn-off.
- Data transfer is available via network connection or USB interface.
- Ability to automatically back-up daily data on internal storage unit.
- With shift monitoring system, all operations can be controlled daily, weekly, monthly and yearly.
- Infinite number of profile dimensions and properties can be stored..
- Central lubrication system to eases the machine maintenance.
- The rails are specially coated to prevent corrosion.

OPTIONAL

- Marking of frame hinge holes

Technical Features :

• Power Supply : 400 V, 3 ~ 50-60 Hz	• Air Consumption: 100 l/ min.
• Total Power Output: 14 kW, 38 A	• Machine Height : 1900 mm
• Cutter Diameter: Ø 250 mm	• Machine Length : 1910 mm (2970 mm with frame support table)
• Min. Inner Frame Dimension: 420 x 420 mm	• Machine Width : 900 mm (2390 mm with frame support table)
• Max Profile Height: 170 mm	• Machine Weight : 740 kg
• Min. Profile Height: 30 mm	
• Max. Profile Width: 120 mm	
• Air Pressure: 6-8 bar	

CN-776 CNC Corner Cleaning Machine

CORNER CLEANING MACHINES » CN-776

- 4 axis high-speed servo controls enables fast working with high accuracy.
- Shorter work cycle by simultaneous processing on both lower and upper surfaces of the frame.
- Using different grooving knives enables high quality surface cleaning.
- User friendly unique interface developed by Haffner Machinery Software Department enables to create new programs and edit the existing ones easily by using the .dxf drawings of profiles on the screen.
- Movable setsquares between 0° - 45° reduce the frame turning work cycle time.
- White and colored frames as well as gasket retracted and plain profiles can be chosen from the screen and cleaned automatically.
- Ultimate results in corner cleaning by specially designed 11 different tools.
- Ability to connect to a single line machine.
- Kiosk type ergonomic operator terminal can be easily moved to every corner around the machine.
- 15" touch screen high performance industrial PC with Windows 10 Embedded operating systems and working between 0°C - 55°C without the need for a fan.
- By online connection to the entire system, remote detection of malfunctions and maintenance is available.
- The software cleans unnecessary processes and sustains maximum security against virus attacks and user faults at every system start-up and turn-off.
- Data transfer is available via network connection or USB interface.
- Infinite number of profile dimensions and properties can be stored..
- Ability to automatically back-up daily data on internal storage unit.
- With shift monitoring system, all operations can be controlled daily, weekly, monthly and yearly
- Central lubrication system to eases the machine maintenance.
- The rails are specially coated to prevent corrosion.

Technical Features :

• Power Supply: 400 V, 3 ~ 50-60 Hz	• Air Pressure: 6-8 bar
• Total Power Output: 17 kW, 44,7 A	• Air Consumption: 148 l/min.
• Cutter Diameter: Ø 250 mm	• Machine Height: 2200 mm
• Min. Inner Frame Dimension: 370 x 370 mm	• Machine Length: 1850 mm
• Max Inner Frame Dimension: 2300 x 2300 mm (Auto Mode)	• Machine Width : 1250 mm
• Max. Profile Height: 200 mm	• Machine Weight: 990 kg
• Min. Profile Height: 30 mm	
• Max. Profile Width: 130 mm	





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ALL AROUND THE WORLD

CN-782 CNC Corner Cleaning Machine (Double Head)

CORNER CLEANING MACHINES » CN-778



CN-782 CNC Corner Cleaning Machine (Double Head)

CORNER CLEANING MACHINES » CN-782

- 9 axis high-speed servo controls enables to clean two corners of frame at the same time with fast working and high accuracy.
- Unique design and solid cast construction enables simultaneous working of the two independent heads of the machine in stability and accuracy, as well as adaptation of the specially designed knives to the machine.
- Shorter work cycle by simultaneous processing on the lower and upper surfaces of the frame.
- Ultimate results in corner cleaning by specially designed 12 different tools on each head.
- Using different scraping knives for white and colored profiles enables high quality surface cleaning.
- Standard equipped with surface scraping knives, inner corner scraping knives, curved cleaning knives, gasket groove drills and monoblock frame knives.
- White and colored frames as well as gasket retracted and plain profiles can be chosen from the screen or by the help of barcode scanner and cleaned automatically.
- 15" touch screen monitor.
- High performance industrial PC with Windows 7 Embedded operating works needles of fan between 0°C – 55°C.
- User friendly unique interface developed by Haffner Machinery Software Department enables to create new programs and edit the existing ones easily by using the .dxf drawings of profiles on the screen.
- All error messages can be monitored from the screen.
- Problem identification, solution and servicing by means of remote connections.
- The software cleans unnecessary processes and sustains maximum security against virus attacks and user faults at every system start-up and turn-off.
- The mobile hand terminal enables programming during adjustments.
- Data transfer is available via network and connection or USB storage.
- Infinite number of profile dimensions and properties can be stored.
- Ability to automatically back-up daily data on internal storage unit.
- With shift monitoring system, all operations can be controlled daily, weekly, monthly and yearly.
- Central lubrication system eases the machine maintenance.

Technical Features :

• Power Supply : 400 V, 3 ~ 50-60 Hz	• Min. Inner Frame Dimension: 300 mm
• Total Power Output: 10 kW, 32 A	• Air Pressure: 6-8 bar
• Cutter Diameter: Ø 250 mm	• Air Consumption: 200 l/min.
• Max. Profile Height: 120 mm	• Machine Height : 2350 mm
• Min. Profile Height: 30 mm	• Machine Length : 6770 mm
• Max. Profile Width: 120 mm	• Machine Width : 2540 mm
• Min. Profile Width: 30 mm	• Machine Weight : 2250 kg
• Max. Inner Frame Dimension: 3000 mm	





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ALL AROUND THE WORLD

CN-784 Four Head CNC Corner Cleaning Machine

CORNER CLEANING MACHINES » CN-784



CN-784 Four Head CNC Corner Cleaning Machine

CORNER CLEANING MACHINES » CN-784

- Four corners of a sash or frame can be cleaned simultaneously in a short time with high accuracy and quality, by servo controlled 18 axes automation system.
- By integrating to four head welding machine, different types of frames or sashes can automatically be cleaned via data transfer through network connection or barcode scanner.
- Unique design and solid cast construction enables simultaneous working of the two independent heads of the machine in stability and accuracy, as well as adaptation of the specially designed knives to the machine.
- Shorter work cycle by simultaneous processing on the lower and upper surfaces of the frame.
- Ultimate results in corner cleaning by specially designed 12 different tools on each head.
- White and colored frames as well as gasket retracted and plain profiles can be chosen from the screen or by the help of barcode scanner and cleaned automatically.
- Standard equipped with surface scraping knives, inner corner scraping knives, curved cleaning knives, gasket groove drills and monoblock frame knives.
- White and colored frames as well as gasket retracted and plain profiles can be chosen from the screen or by the help of barcode scanner and cleaned automatically.
- 15" touch screen monitor.
- High performance industrial PC with Windows 10 Embedded operating systems and working between 0°C - 55°C without the need for a fan.
- User friendly unique interface developed by Haffner Machinery Software Department enables to create new programs and edit the existing ones easily by using the .dxf drawings of profiles on the screen.
- All error messages can be monitored from the screen
- Problem identification, solution and servicing by means of remote connections
- The software cleans unnecessary processes and sustains maximum security against virus attacks and user faults at every system start-up and turn-off.
- Data transfer is available via network and connection or USB storage.
- Infinite number of profile dimensions and properties can be stored.
- Ability to automatically back-up daily data on internal storage unit.
- With shift monitoring system, all operations can be controlled daily, weekly, monthly and yearly.
- Central lubrication system to ease the machine maintenance.

Technical Features :

• Power Supply : 400 V, 3 ~ 50-60 Hz	• Air Pressure: 6-8 bar
• Total Power Output: 22 kW, 63 A	• Air Consumption: 450 l/min.
• Cutter Diameter: Ø 250 mm	• Machine Height : 2100 mm
• Max. Profile Height: 120 mm	• Machine Length : 5200 mm
• Min. Profile Height: 30 mm	• Machine Width : 2600 mm
• Max. Profile Width: 120 mm	• Machine Weight : 2750 kg
• Max. Inner Frame Dimension: 3000 x 2600 mm	
• Min. Inner Frame Dimension: 700 x 450 mm	



SVK2-4 Corner Cleaning Machines

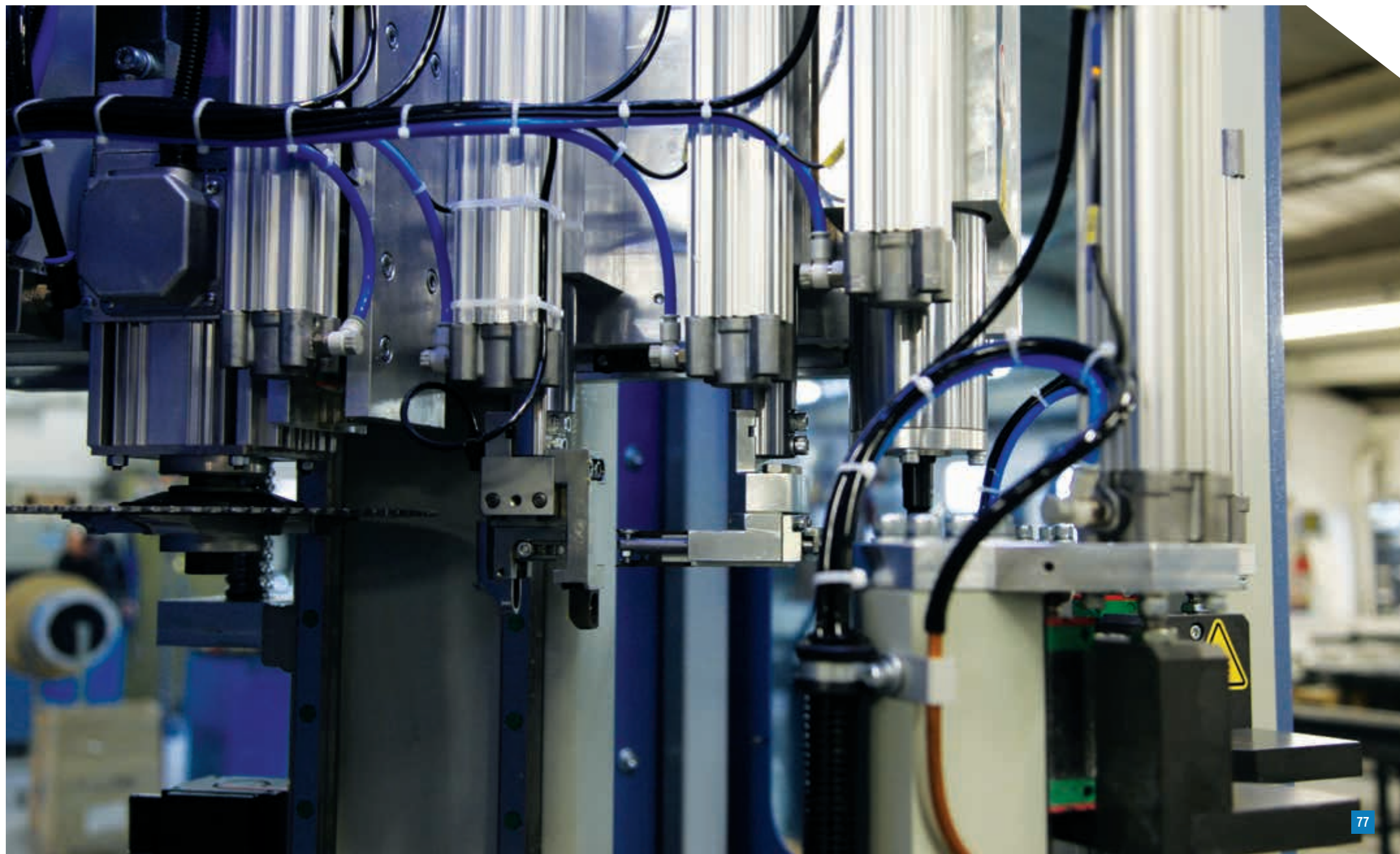
CORNER CLEANING MACHINES » SVK2-4

- 2 axis high-speed servo controls enables fast working with high accuracy.
- Cleans the surface welding seams of V-welded transom profiles.
- Shorter work cycle by simultaneous processing on both lower and upper surfaces of the frame.
- Using different grooving knives enables high quality surface cleaning.
- Ultimate results in corner cleaning by specially designed 12 different tools.



Technical Features :

• Power Supply: 400 V , 3~ 60 Hz	• Max. Profile Width: 160 mm
• Power Output: 4 kW, 10A	• Min. Profile Height: 30 mm
• Air Pressure: 6-8 bar	• Max. Profile Height: 180 mm
• Air Consumption: 100 l/min.	• Cutter Diameter: Ø 250 mm
• Machine Height : 2100 mm	• Spindle speed: 2700 rpm
• Machine Length: 3500 mm	• Machine Weight: 1000 kg
• Machine Width: 2500 mm	
• Min. Profile Width: 30 mm	

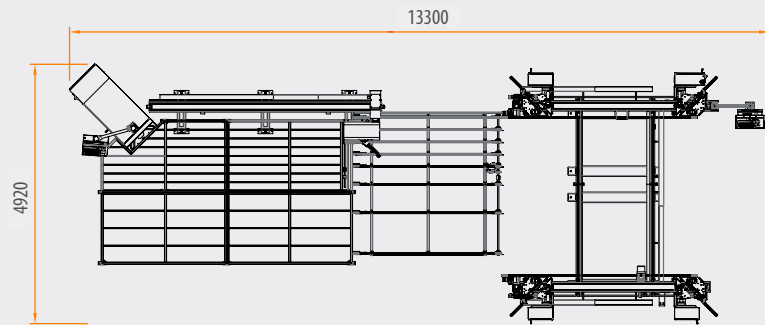


SINGLE LINES

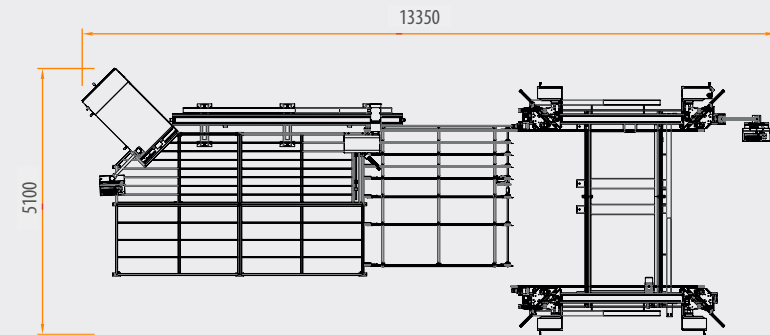


Single Line 1.....	80
Single Line 2.....	82
Single Line 3.....	84
Single Line 4.....	86

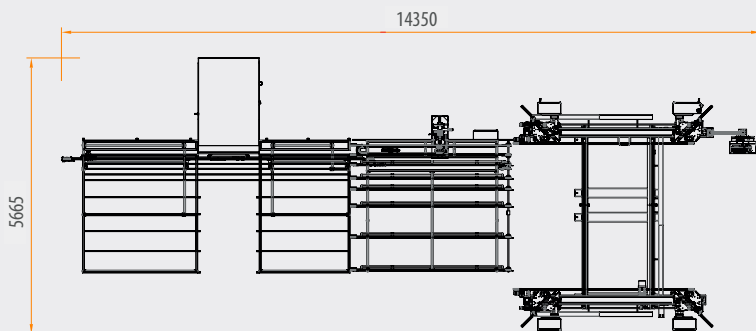
Single Line 1
Four Head Welding and CNC Corner Cleaning Machine



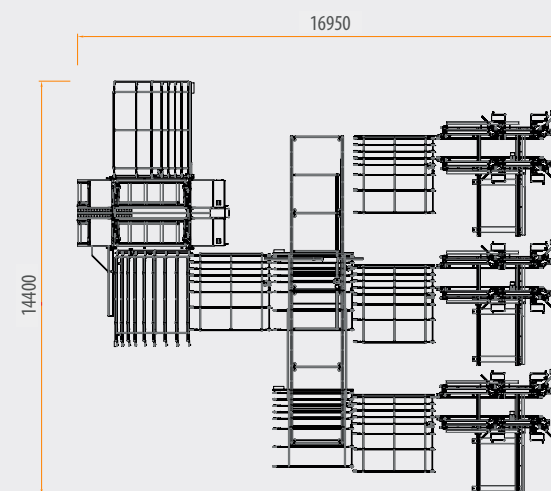
Single Line 2
Four Head Welding and CNC Corner Cleaning Machine



Single Line 3
Four Head Welding and CNC Corner Cleaning Machine



Single Line 4
Automatic Welding and Corner Cleaning Center



Single Line 1 Four Head Welding and CNC Corner Cleaning Machine

SINGLE LINES » SINGLE LINE 1



Single Line 1

Four Head Welding and CNC Corner Cleaning Machine

SINGLE LINES » SINGLE LINE 1

- Formed by the efficient combination of KD 658/20 Four Head Welding Machine, CK 187 Buffer Station, CK 180 Faster Turning Robot and CN 770/20 CNC corner cleaning machine in one production unit.
- Welded frame or sash is automatically transferred to the corner cleaning machine with all the data about the profile.
- CN 770/20 Corner Cleaning Machine can start cleaning the corners while the Four Head Welding Machine starts the welding process.
- High mechanical stability, servo controlled CK 180 Faster Turning Robot enables fast and stable turning with high accuracy. Small frames take 1 second, large frames take 1.5 to 4 seconds. The positioning can be done by turning the corner.
- Profile identification informations is automatically transferred from the welding machine.
- Durable and precision movement of axis due to hardened rack and zero backlash geraboxes used in the gear system.
- By online connection to the entire system, remote detection of malfunctions and maintenance is available.
- Data transfer is available via network and connection or USB storage.
- Central lubrication system to eases the machine maintenance.
- The rails are specially coated to prevent corrosion.

CK 187 Buffer Cooling Station

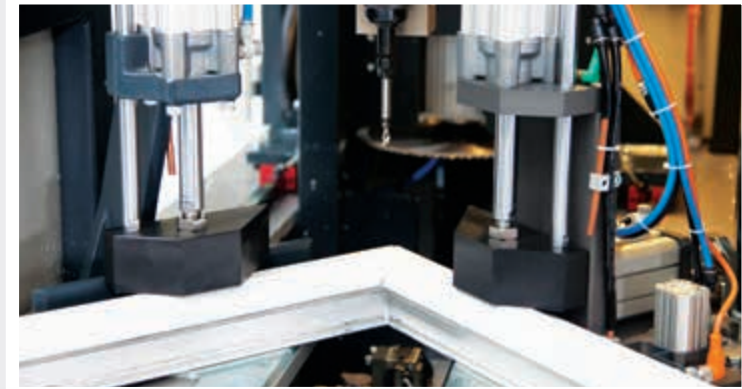
- Cooling station which transfers the welded frames or sashes from four head welding machine to turning station for corner cleaning.
- Waiting time for cooling is controlled by the computer of the welding machine.

CK 180 Faster Turning Robot

- CN 770/20 CNC Corner Cleaning Machine works entegreated
- Automatically transfers the frame or sash and positions the to be processed corners one by one into the corner cleaning machine.
- Tranports the processed frame or sash to the off loading area.

OPTIONAL

- Barcode Reader (AK 002)
- Gasket pressing system (AK 032)
- Automatic 0,2 mm and 1,2 mm welding seam restriction settings. (AK 050)



Single Line 2 Four Head Welding and CNC Corner Cleaning Machine

SINGLE LINES » SINGLE LINE 2



Single Line 2

Four Head Welding and CNC Corner Cleaning Machine

SINGLE LINES » SINGLE LINE 2

- Formed by the efficient combination of KD 658/20 Four Head Welding Machine, CK 187 Buffer Station, CK 180 Faster Turning Robot and CN 772 CNC corner cleaning machine in one production unit.
- Welded frame or sash is automatically transferred to the corner cleaning machine with all the data about the profile.
- CN 772 Corner Cleaning Machine can start cleaning the corners while the Four Head Welding Machine starts the welding process.
- High mechanical stability, servo controlled CK 180 Faster Turning Robot enables fast and stable turning with high accuracy. Small frames take 1 second, large frames take 1.5 to 4 seconds. The positioning can be done by turning the corner.
- Profile identification informations is automatically transferred from the welding machine.
- Durable and precision movement of axis due to hardened rack and zero backlash gearboxes used in the gear system.
- By online connection to the entire system, remote detection of malfunctions and maintenance is available.
- Data transfer is available via network and connection or USB storage.
- Central lubrication system to ease the machine maintenance.
- The rails are specially coated to prevent corrosion.

BUFFER CK 187 Cooling Station

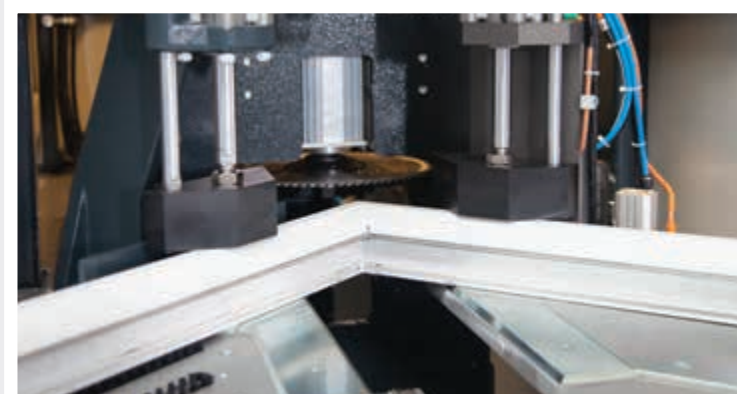
- Cooling station which transfers the welded frames or sashes from four head welding machine to turning station for corner cleaning.
- Waiting time for cooling is controlled by the computer of the welding machine.

CK 180 Faster Turning Robot

- CN 772 CNC Corner Cleaning Machine works entegreated
- Automatically transfers the frame or sash and positions the to be processed corners one by one into the corner cleaning machine.
- Tranports the processed frame or sash to the off loading area.

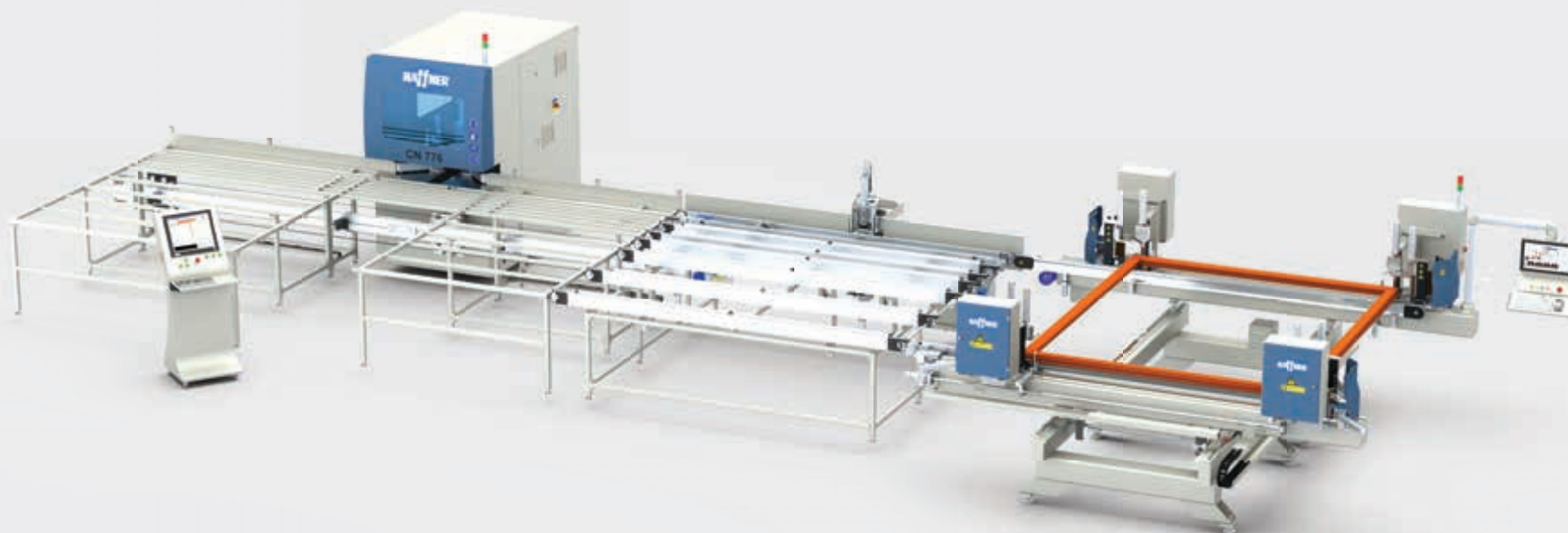
OPTIONAL

- Barcode Reader (AK 002)
- Gasket pressing system (AK 032)
- Automatic 0,2 mm and 1,2 mm welding seam restriction settings. (AK 050)



Single Line 3 Four Head Welding and CNC Corner Cleaning Machine

SINGLE LINES » SINGLE LINE 3



Single Line 3

Four Head Welding and CNC Corner Cleaning Machine

SINGLE LINES » SINGLE LINE 3

- Formed by the efficient combination of KD 658/20 Four Head Welding Machine, CK 188 Buffer Station, CK 176 Automatic Turning Station and CN 776 CNC corner cleaning machine in one production unit.
- Computer controlled triple handle drilling and espagnolette canal milling is processed while the frame or sash is cooling at the buffer station.
- CN 776 Corner Cleaning Machine can start cleaning the corners while the Four Head Welding Machine starts the welding process.
- CK 176 Automatic Turning Station turns the frame or sash at an appropriate speed related with the size and provides four corners to be cleaned.
- Profile identification informations is automatically transferred from the welding machine.
- Durable and precision movement of axis due to hardened rack and zero backlash geraboxes used in the gear system.
- By online connection to the entire system, remote detection of malfunctions and maintenance is available.
- Data transfer is available via network and connection or USB storage.
- Central lubrication system to eases the machine maintenance.
- The rails are specially coated to prevent corrosion.

CK 188 Buffer Cooling Station

- Cooling station which transfers the welded frames or sashes from four head welding machine to turning station for corner cleaning.
- Computer controlled triple handle drilling and espagnolette canal milling is processed while the frame or sash is cooling at the buffer station.(CK 188)
- Waiting time for cooling is controlled by the computer of the welding machine.

CK 176 Turning Station

- Works integrated to CN 776 CNC Corner Cleaning Machine
- Automatically transfers the frame or sash and positions the to be processed corners one by one into the corner cleaning machine
- Two under table transporters and robot clamping system enables faster operation.
- Tranports the processed frame or sash to the off loading area.

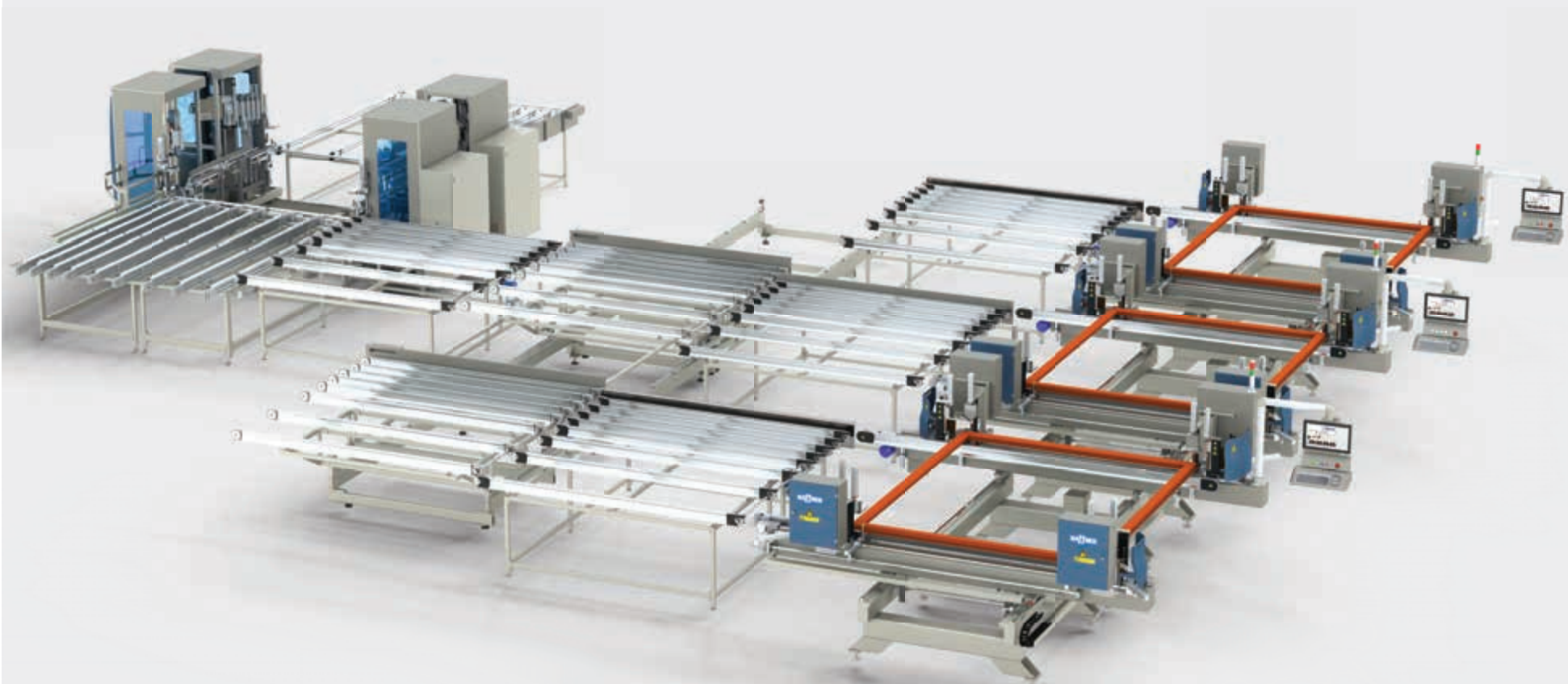
OPTIONAL

- Barcode Reader (AK 002)
- Gasket pressing system (AK 032)
- Automatic 0,2 mm and 1,2 mm welding seam restriction settings. (AK 050)



Single Line 4 Automatic Welding and Corner Cleaning Center

SINGLE LINES » SINGLE LINE 4



Single Line 4

Automatic Welding and Corner Cleaning Center

SINGLE LINES » SINGLE LINE 4

- Automated production line enables working at maximum productivity from the welding machine to the end of the offloading station.
- All phases of the operation from loading of the profiles to the welding and corner cleaning process up to the unloading of the frames or sashes are controlled by computer.
- Profile identification informations is automatically transferred from the welding machine.
- Formed for high capacity production by combining 2 or 3 horizontal four head welding machines with four corners cleaning machine
- The integrated system provides high capacity and high quality production at minimum space.
- Movable and stable transfer stations automatically carry the frames or sashes from the welding machine to the corner cleaning machine, then to the offloading station.
- By online connection to the entire system, remote detection of malfunctions and maintenance is available.
- The rails are specially coated to prevent corrosion.

CK 188 Buffer Cooling Station / CK 187

- Cooling station which transfers the welded frames or sashes from four head welding machine to turning station for corner cleaning.
- Computer controlled triple handle drilling and espagnolette canal milling is processed while the frame or sash is cooling at the buffer station.(CK 188)
- Waiting time for cooling is controlled by the computer of the welding machine.,

CK 190 Ordering Conveyor

- Automatically moving table on rails from one buffer station to the other which transfers the welded frames or sashes to corner cleaning line.

CK 196 Window Separating Conveyor

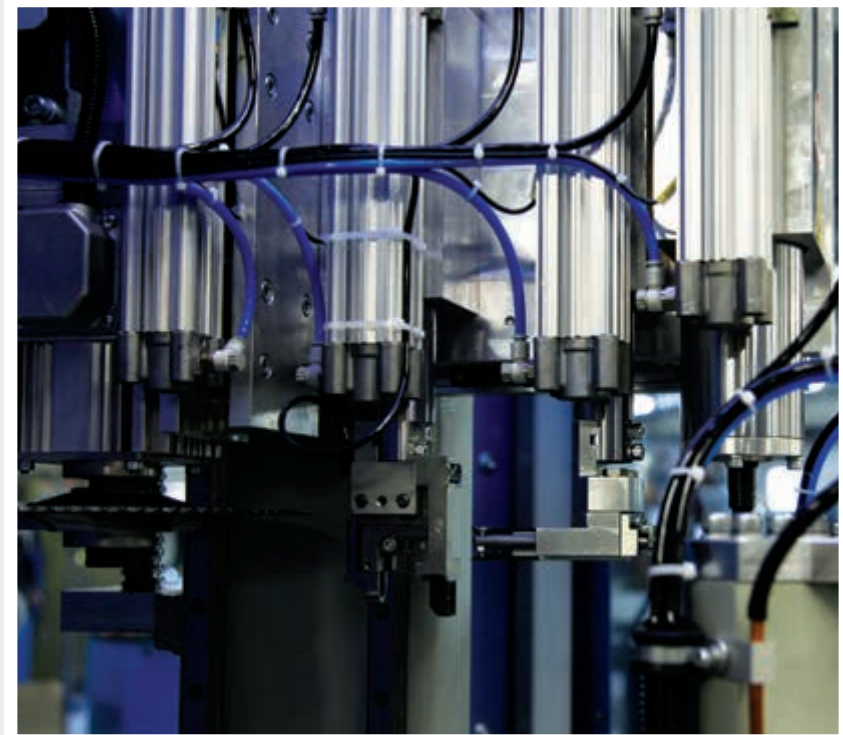
- Automatically transfers the frame or sash and positions the to be processed corners one by one into the corner cleaning machine.
- Two under table transporters and robot clamping system enables faster operation.
- By the horizontal and vertical belt system, stable transfer of the frames or sashes to the CNC Corner cleaning machine is enabled.

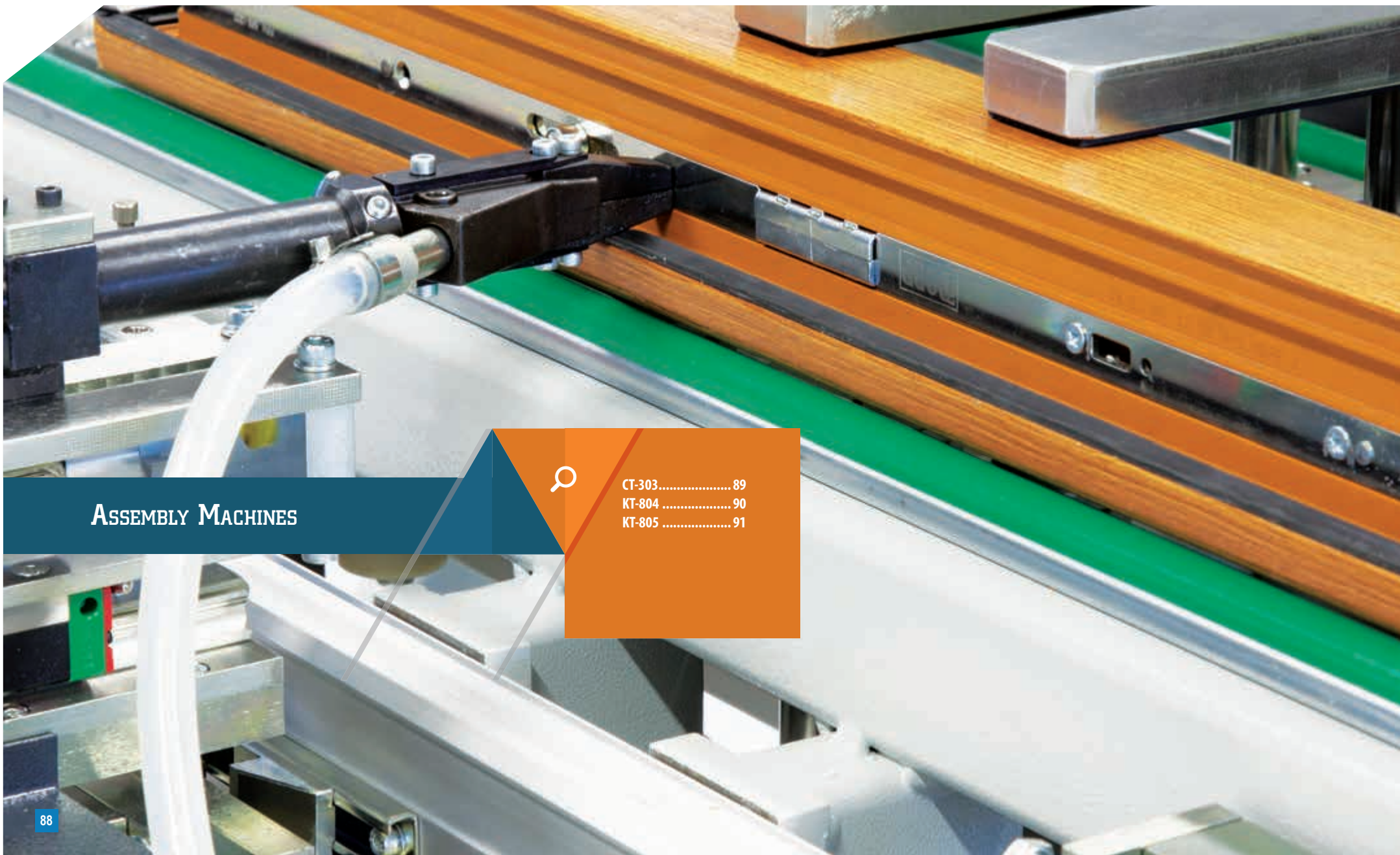
CK195 Off Loading Conveyor

- Transports the processed frame or sash to the off loading area.

OPTIONAL

- Barcode Reader (AK 002)
- Gasket pressing system (AK 032)
- Automatic 0,2 mm and 1,2 mm welding seam restriction settings. (AK 050)





ASSEMBLY MACHINES



CT-303.....	89
KT-804	90
KT-805	91

CT-303 Glass Assembly Machine

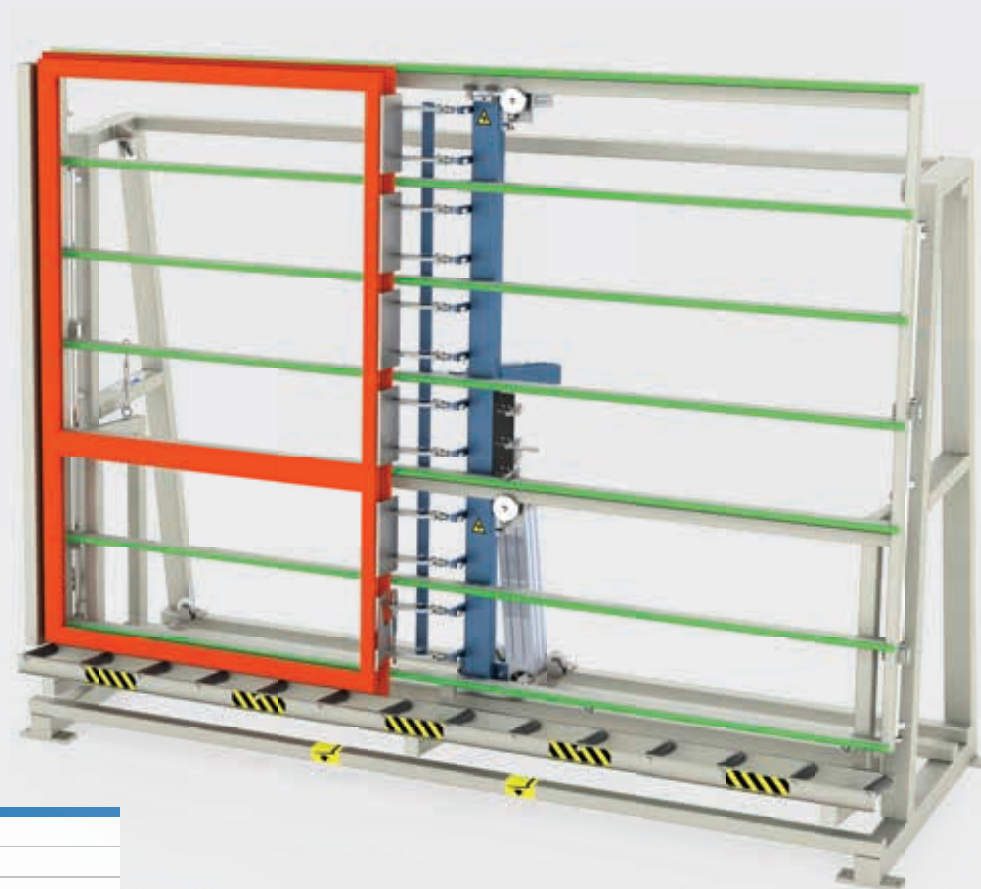
ASSEMBLY MACHINES » CT-303

- Fast assembly of windows, doors and elements.
- The upwards slide movement of the table eases working on the frames
- Maintenance and accurate balance by means of parallel clamping unit.
- The glazed frame can be packed and then transferred effortlessly by sliding on the reels.



Technical Features :

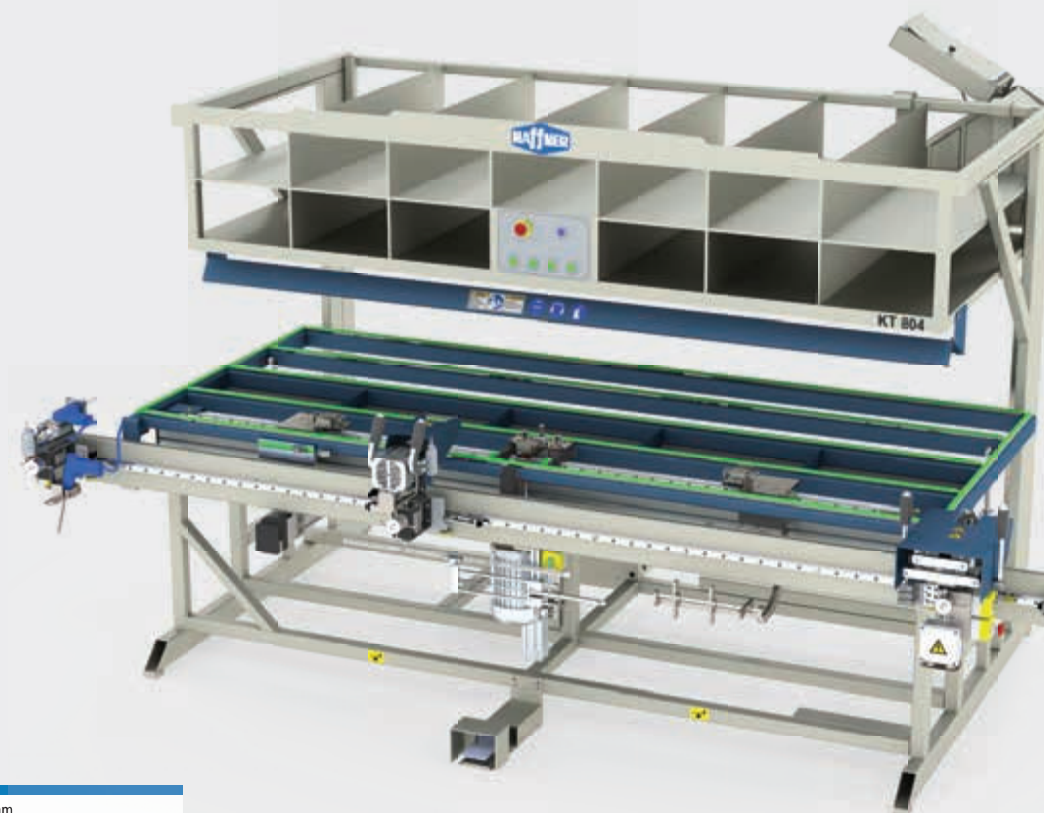
• Max. Frame Height: 2000 mm	• Machine Height : 2250 mm
• Max. Frame Length: 2360 mm	• Machine Length : 3000 mm
• Max. Frame Weight: 120 kg	• Machine Width : 1000 mm
• Air Pressure: 6-8 bar	• Machine Weight : 410 kg
• Air Consumption: 50 l/min.	



KT-804 Sash Assembly Machine

ASSEMBLY MACHINES » KT-804

- Punch unit for cropping the single or tilt and turn espagnolettes as well as scissor hinges according to sash dimension without measuring.
- Serial and high quality standard assembly of single or tilt and turn opening system window and door sashes in various dimensions.
- Optimization of sash assembling by combination of different processes at one table.
- Triple drilling for handles and milling for espagnolette canal with easy positioning of the tools.
- Automatic screwing unit with height adjustment for espagnolette, scissor hinges.
- Drilling of hinge holes without measuring for the location.
- The work table can be shifted 15° for ergonomic working.
- Laser system that provides easy alignment in the screwing system.
- Standard equipped with shelves for hardware and other tools.



Technical Features :

• Power Supply: 400 V, 3~, 50-60 Hz	• Min. Profile Width : 42 mm	• Machine Height: 2150 mm
• Power Output Triple Drill: 1,1 kW	• Max. Profile Width: 100 mm	• Machine Length: 3500 mm
• Power Output Milling: 1,1 kW	• Screw Head Diameter : 5-9,8 mm	• Machine Width: 2880 mm
• Triple Drill Spindle Speed: 900 rpm	• Screw Length: 10-35 mm	• Machine Weight: 950 kg
• Milling Spindle Speed: 2700 rpm	• Air pressure: 6-8 bar	
• Min. Inner Frame Size : 270 mm x 270 mm	• Air consumption: 80 l/min.	
• Max Inner Frame Size: 2260 mm x 2260 mm		
• Max. Profile Height: 90 mm		

KT-805 Sash Assembly Machine

ASSEMBLY MACHINES » KT-805

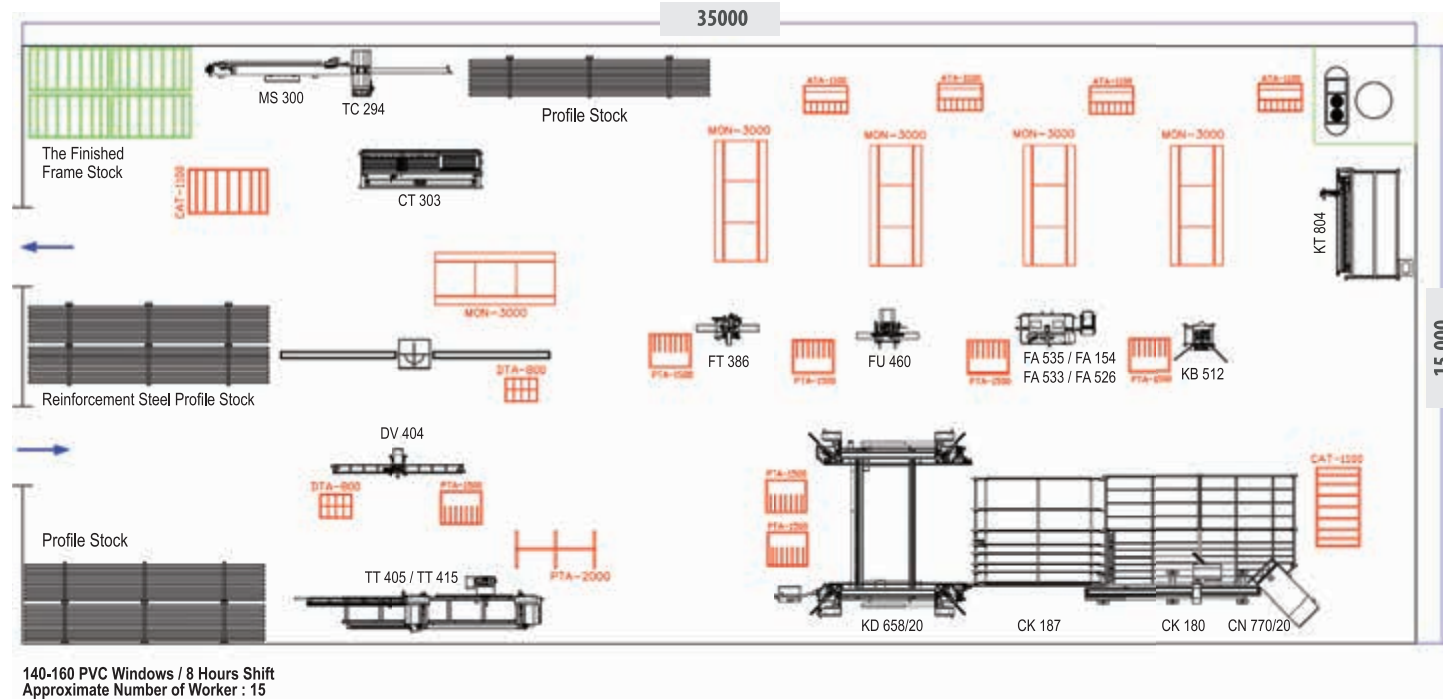
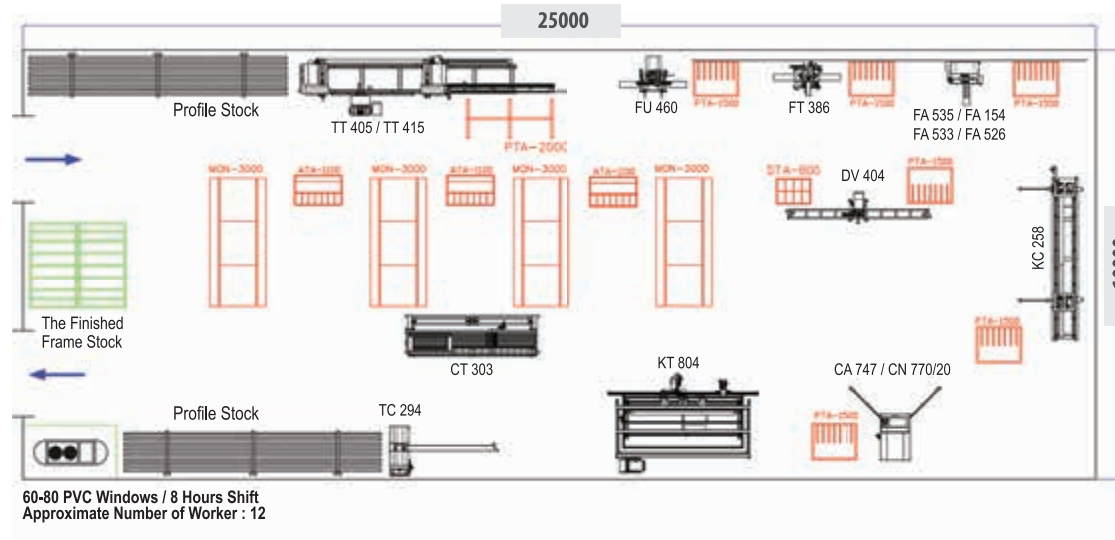
- Serial and high quality standard assembly of single or tilt and turn opening system window and door sashes in various dimensions.
- By combining of different processes at one table, sash assembly duration is shortened.
- Punch unit for cropping the single or tilt and turn espagnolettes as well as scissor hinges according to sash dimension without measuring.
- Automatic screwing unit with height adjustment for espagnolette, scissor hinges.
- Drilling of hinge holes via measuring apparatus which standardizes the process.
- The work table can be shifted 15° for ergonomic working.
- Standard equipped with shelves for hardware and other tools.

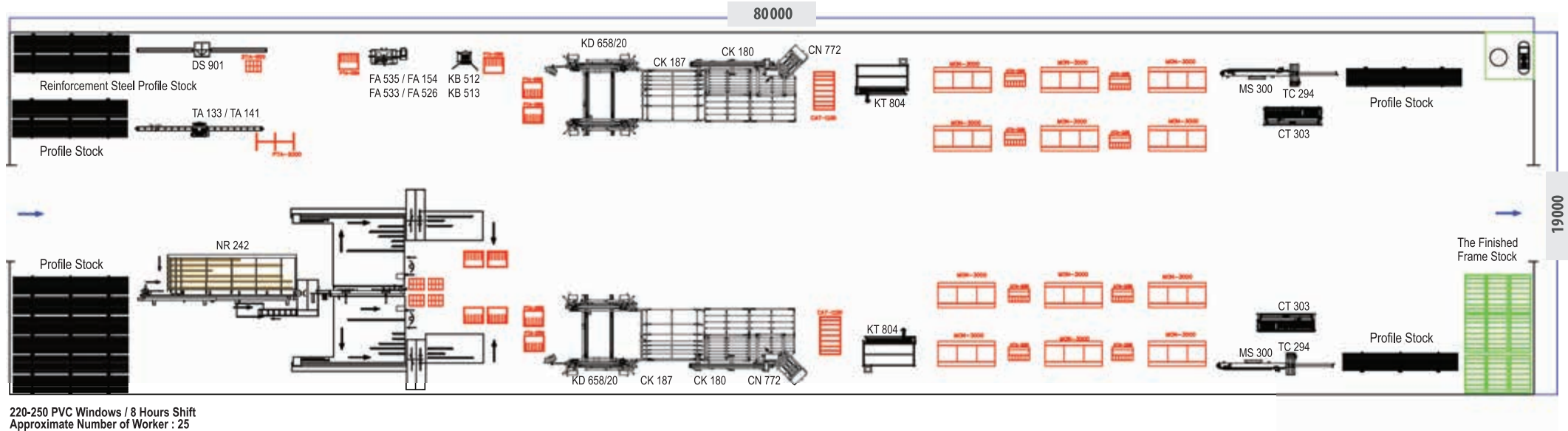
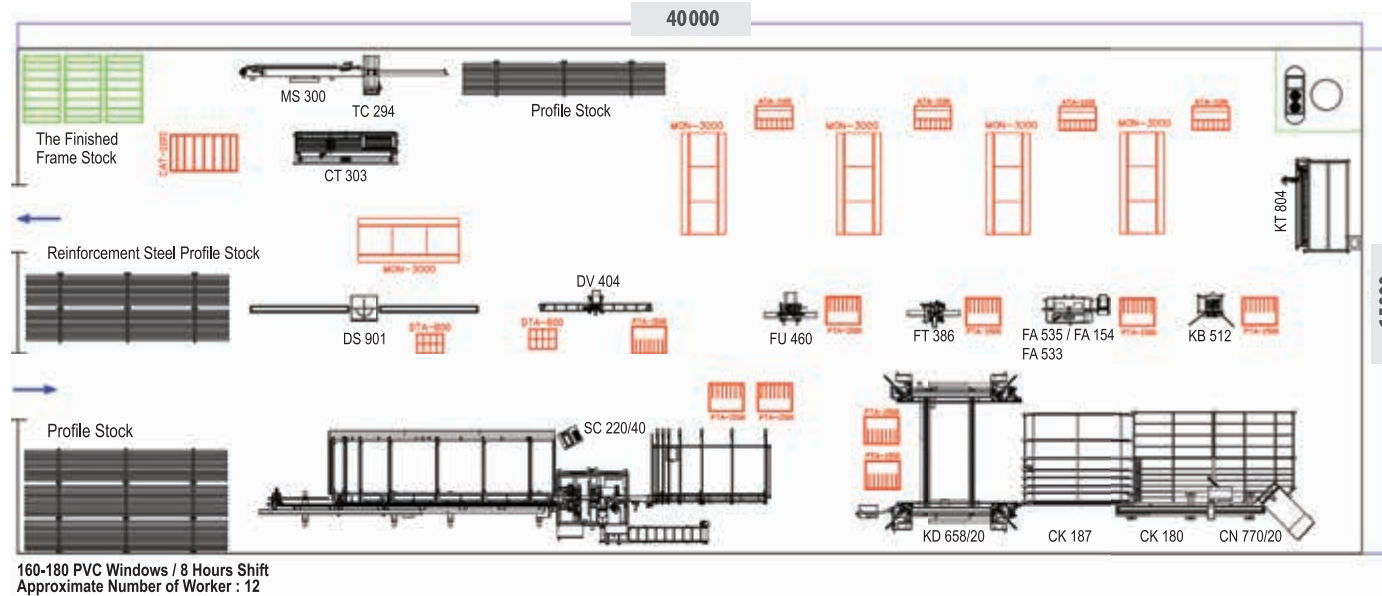


Technical Features :

• Power Supply: 230V, 1~ 50-60 Hz	• Screw Length:: 10-35 mm
• Total Power Output: 100W, 1,5A	• Air pressure: 6-8 bar
• Min. Frame Size: 250 mm x 250 mm	• Machine Height: 2150 mm
• Max. Frame Size: 2400 mm x 2100 mm	• Machine Length: 3500 mm
• Max. Profile Height: 90 mm	• Machine Width: 2880 mm
• Min. Profile Width : 42 mm	• Machine Weight: 800 kg
• Max. Profile Width : 100 mm	
• Screw Head Diameter : 5-9,8 mm	

Production Layouts







Complete solutions from one supplier
















ALL AROUND THE WORLD

NOTE

Lined area for notes, consisting of multiple horizontal lines.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Dealers

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