



Creating Technology Since 1926

Haffner was founded by **Gotthold Haffner** as a manufacturer of woodworking hand machines for carpenters in Pforzheim, **Germany**. In 1945, it began developing and producing the industry's first machines for PVC window manufacturing. The company developed CNC-controlled profile processing machines in the 1980s. In the 2000s, the company increased its export share to 85% by becoming one of the most important brands in the sector with its production capacity and product development capability. The first automatic welding and cleaning machines were produced on this date.

In 2012, **Haffner** was bought by **Murat Machinery**, which was growing rapidly in the Europe and Americas, operating in the same sector. After the game changer development in the machinery industry, Haffner moved its production to Istanbul.

Today, **Haffner** is a global brand that exports more than 85% of its production, expands its sales and technical support network and guarantees its service quality by establishing its own offices in the **USA, Canada, Germany, India, Chile, Poland and Russia**.

Haffner, Today

Haffner, one of the main suppliers of the window and door sector, makes advanced technology accessible in its modern production facility of 17.000 m² in Istanbul; produces solutions that increase the quality of the construction industry.

Haffner produces manual and automatic PVC and aluminum profile processing machines that are crucial in the production processes of industrial branches such as highway and air transportation vehicles, rail systems, furniture and lighting.

Haffner quickly analyzes the changing needs of the market and takes action with its continuous development and improvement policy, rooted engineering infrastructure, understanding of quality, R&D investments, customer-oriented and innovative approach, with its 250 employees and R&D team consisting of 30 people.

Saws

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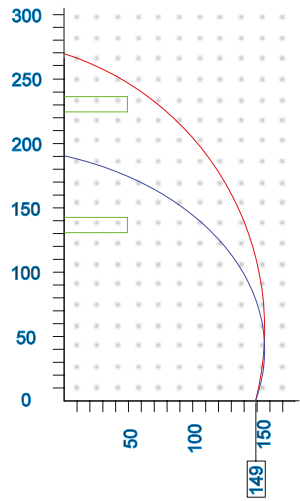




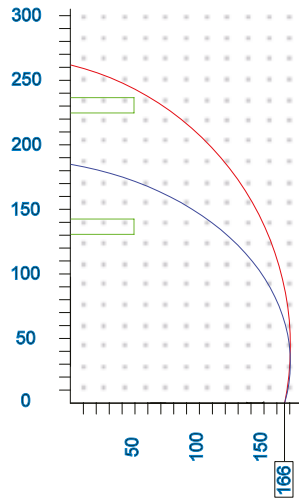
TT-405/415 Double Head Mitre Saw
(Ø:450 mm - 17.71 in.)



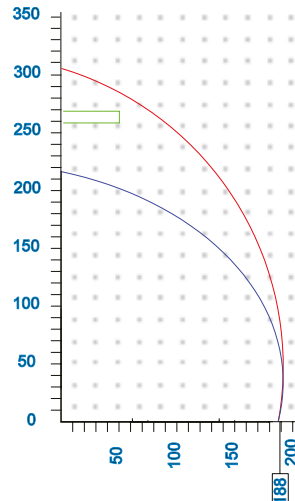
TT-405/415 Double Head Mitre Saw (Ø:450 mm - 17.71 in.)



Ø 450 ■ 45° ■ 90°



Ø 450 ■ 45° ■ 90°



Ø 550 ■ 45° ■ 90°

Technical Features

- Power Supply: 400V, 3 ~, 50/60 Hz
- Total Power Output: 5 kW
- Air Pressure: 6-8 bar (90-120 psi)
- Air Consumption: 120 l/Min. (4.23 cfm)
- Saw Blade Speed: 2800 rpm (50 Hz), 3360 rpm (60 Hz)
- Saw Blade Motor Power: 2.2 kW (2.94 hp.)
- Maximum Profile Length: 4200 mm (13,77 ft.)
- Minimum Profile Length: 450 mm (17.71 in.)
- Minimum Wedge Profile Length: 4.8 mm (0.19 in.)
- Machine Height: 1550 mm (61.02 in.)
- Machine Length: 4950 mm (16,24 ft.) + 2600 mm (8,53 ft.)
With Profile Support Conveyor.
- Machine Width: 1400 mm (55.11 in.)
- Machine Weight: 755 kg (1,665 lbs.)

* Consult factory for lengths and specifications not mentioned above.



775 kg



6-8 Bar



5kW

- Solid cast construction for length and angle accuracy.
- Ability to cut 4200 mm (13,77 ft.) in 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.
- Pulse spray mist blade lubricant system

OPTIONAL

- Label printer (AK-003)
- Aluminum wedge cutting (AH-025)
- Short and long cut system for 7000 mm (22,96 ft.) profile cutting (AH-046)
- Automatic arrow head positioning (AH-044)
- Extraction system
- 6000 mm (19,68 ft.) Cutting length
















TT-415 See TT-405 However;

- Machine Height: 1560 mm (61.41 in.)
- Machine Length: 5100 mm (16,73 ft.) + 2630 mm (8,62 ft.) profile support conveyor
- Machine Width: 1600 mm (62.99 in.)
- Machine Weight: 900 kg (1,985 lbs.)
- Minimum Cutting Length: 550 mm (21.65 in.)

OPTIONAL

- Servo controlled cutting between 45°-90° tilt angle with an accuracy of $\pm 0.1^\circ$

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