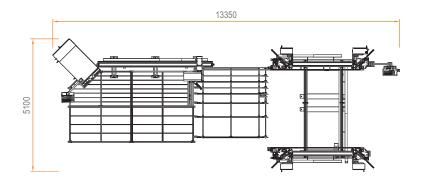# SL2
Four Head Welding and CNC Corner Cleaning Machine

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Single Line 2
Four Head Welding and CNC Corner Cleaning Machine

- 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 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.

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)