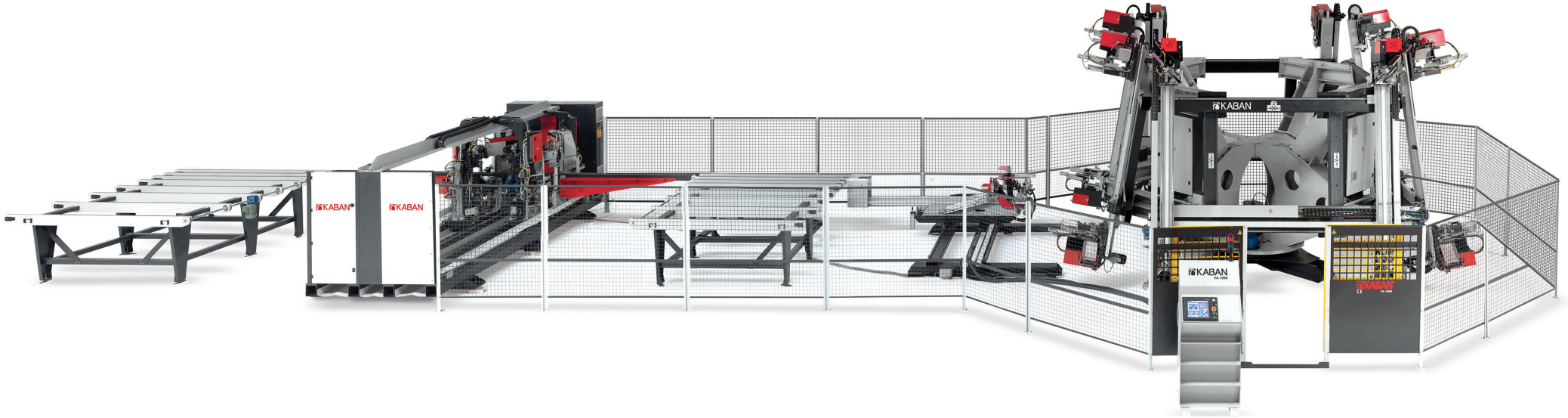
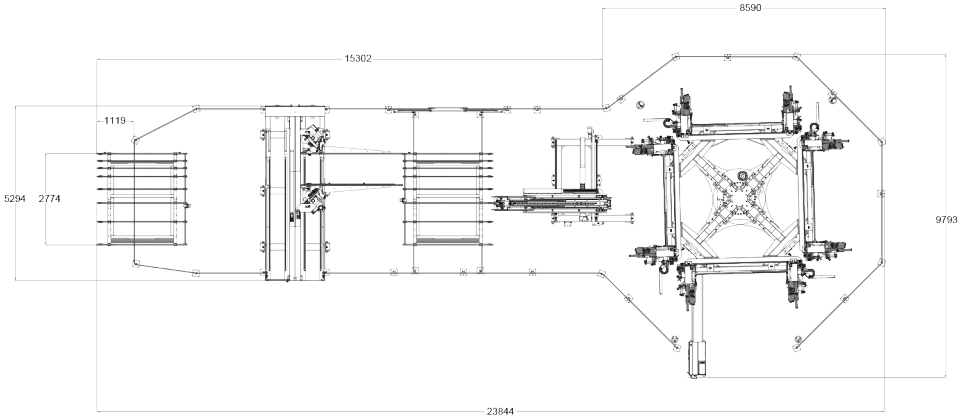
FA 1050

4X4 Welding and CNC Cleaning Center



General Features

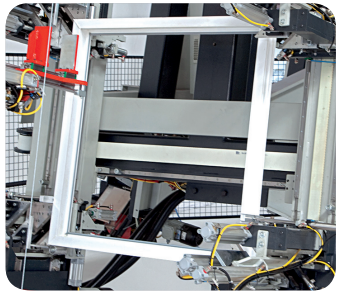
- Designed for welding and cleaning the welding chips of frames made of PVC profiles.
- Robust mechanical design suitable for high speed production.
- Maximum performance thanks to high quality materials used on its production.
- Operation with a single operator.
- Workspace saving comparing to similar machines.
- Automatic greasing system.
- In every 20-28 seconds one frame is produced.
- It provides %40 space saving compared to traditional machines which have similar production capacity.

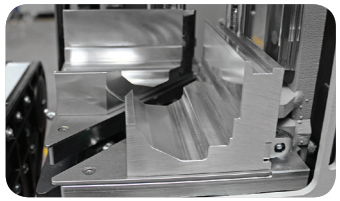


Control Panel

- Compatible to all cutting and optimization programs thanks to its user friendly and flexible operation system.
- Special software which enables the selection of profile trolley stocking arrangment from the screen in order to make customer based production.
- All units parameters can be set independently from each other easily.
- Periodical maintenance reminder function.
- Welding by entering the dimensions manually without using barcode reader.

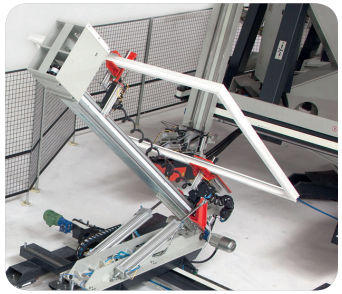
Welding Unit





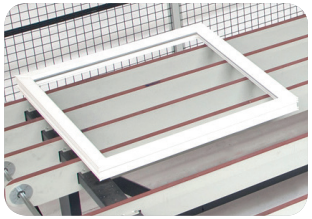
- 4 pieces of 4 head welding units weld on rotating body at the same time.
- The machine continues to weld while rotating.
- While first unit is loaded, the welded frame on fourth unit is taken by robot.
- Welds 4 corners of PVC profiles at 90º angle at the same time.
- Saving of time and cost thanks to roller formed teflon replacement system.
- Long lasting heating plate distributes the heat homogeneously.
- Linear measurement system provides measuring stability.
- Saving of time thanks to practical mould replacement system.

Transfer Unit



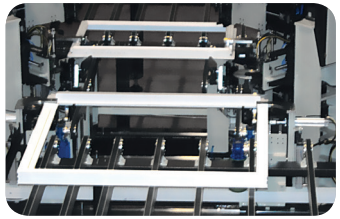
- Servo controlled robot transfers the welded frame to cooling unit.

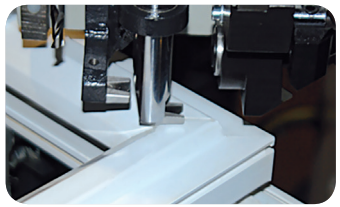
Cooling Unit



- The frame is remained on this unit to cool down while the previous frame is being cleaned.

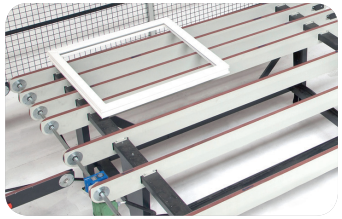
Cleaning Unit





- Cleans front and back corners of differently dimensioned frames at the same time which come from the cooling unit.
- Cleans welding chips of frames with 18 Servomotors at high speed and quality.
- Laminated and unlaminated profiles can be cleaned.

Unloading Unit



- Cleaned frames wait at unloading unit.

H:4100 mm W:23950 mm L:9900 mm	400 V L1-L2-L3-N-PE 50 / 60 Hz 65.87 kW	21440 kg	A min: 450 mm A max: 2820 mm B min: 450 mm B max: 2355 mm	6-8 Bar 696 l / min	a max.: 130 mm h max.: 170 mm	ØD: 250 mm