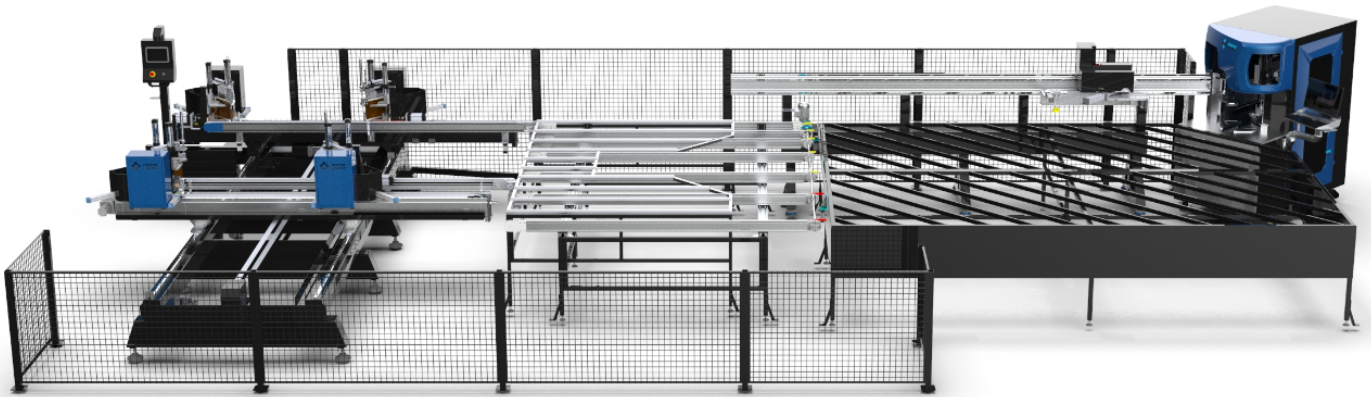# TURBOWELD 400

"Four Corner Welding and CNC Corner Cleaning Line "

CE

PVC

Turboweld 400 machine is formed by the combination of OMRM 122 (4 Corner Welding), CS (Cooling Station), Robot Arm and OMR 119 (CNC Corner Cleaning) machines.

- Possibility to work seperately with machines
- Automatic loading of CNC Corner cleaning program by scanning barcode
- Unlimited profile cleaning program memory capacity
- Adjustable waiting time after welding before cleaning operation
- User friendly interface
- Thresholdless door welding system

Option

- Gasket clamp system

OMRM 122 Welding Machine

- Thanks to the axes controlled by servo motors, it performs welding operations with high speed and precision
- Windows® based working system
- 21,5" Touchscreen
- Possibility to work with any type of barcode
- Welding, cooling times and temperature settings are digitally adjusted according to profile type
- Teflons can change the surface quickly thanks to rolled teflones
- Fast profile changing system that prevents time loss
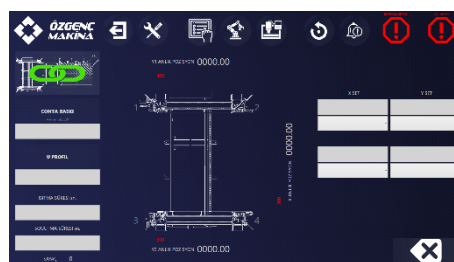- CE compatible protection fences system

Windows base working system
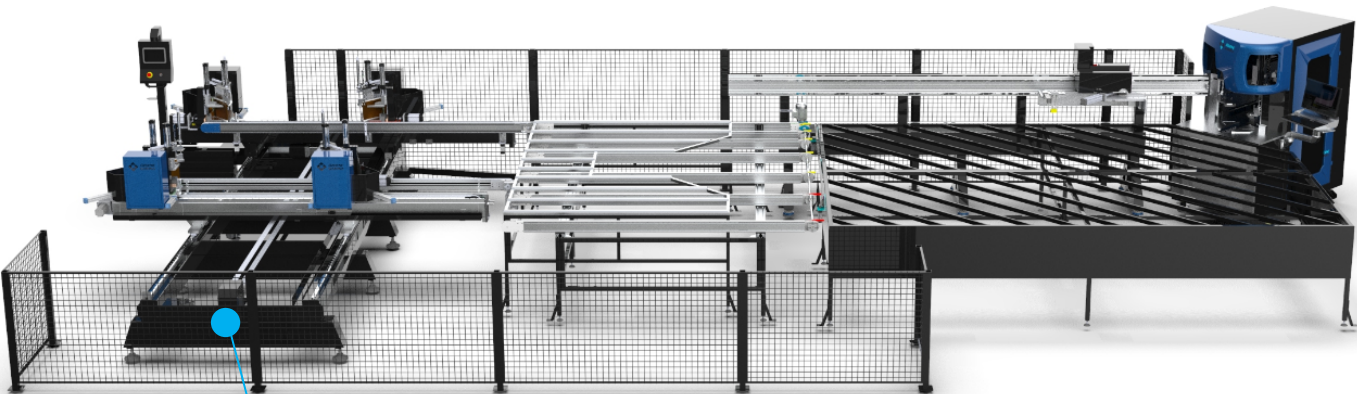
Barcode reader

21,5" touchscreen

All axis controlled by OMRON servo motors

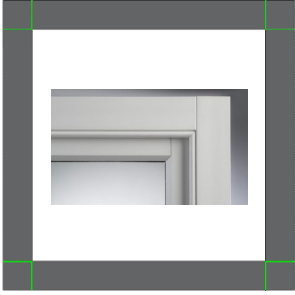All pneumatic equipments is SMC brand
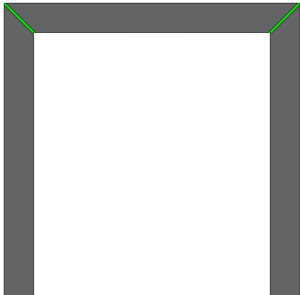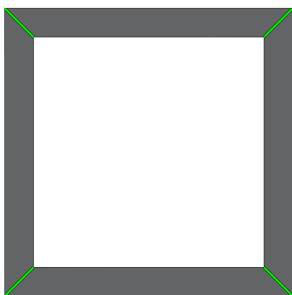

Multi language support interface

Userfriendly
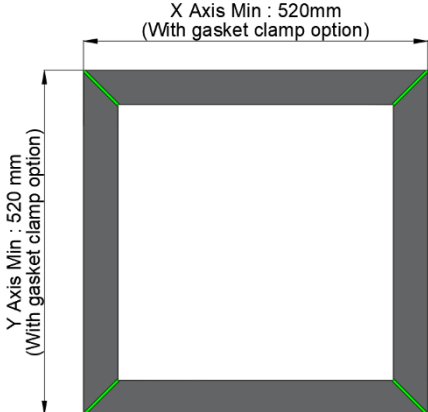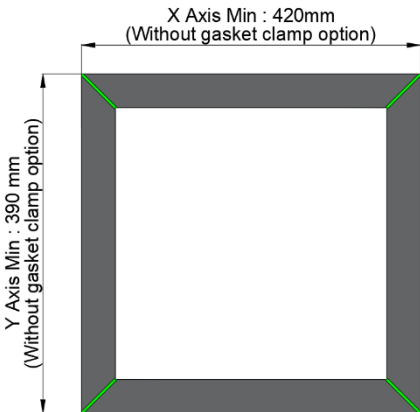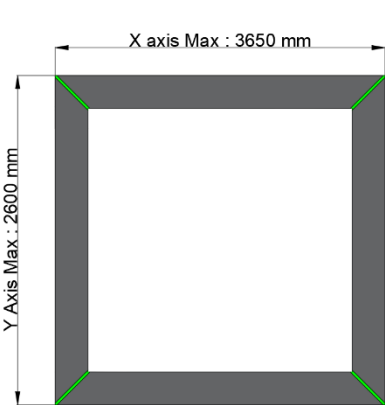
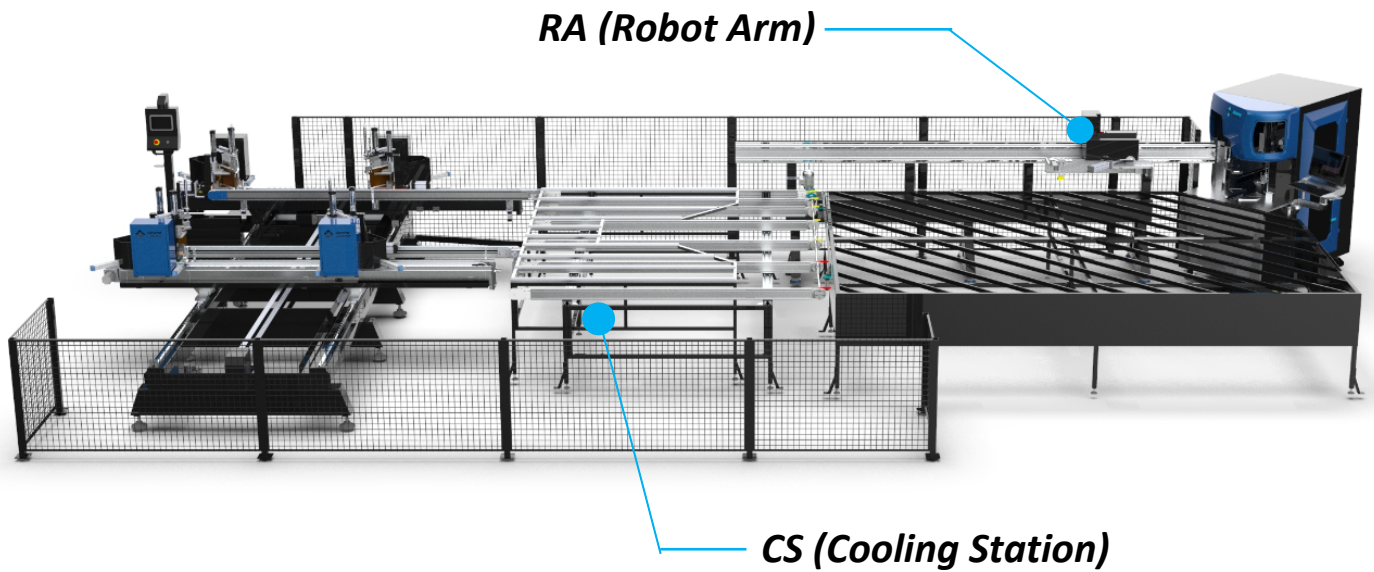All alarms and explanations are displayed on the screen

OMRM 122

Welding Types;

Welding Sizes;

X axis Max : 3650 mm

Y Axis Max : 2600 mm

X Axis Min : 420mm
(Without gasket clamp option)

Y Axis Min : 390 mm
(Without gasket clamp option)

X Axis Min : 520mm
(With gasket clamp option)

Y Axis Min : 520 mm
(With gasket clamp option)

RA (Robot Arm)

CS (Cooling Station)

- Thanks to its special belt design, delivers the frames to the arm after welding is finished.
- The robot arm takes the frames from cooling station and turns it into the CNC corner cleaning machine by rotating all 4 corners
- Rigid body design
- Robot arm have 2 axis
- While the CNC cleaning machine cleans the last corner of the frame, the robotic arm goes back and takes the new frame that is welded so that time losses are prevented
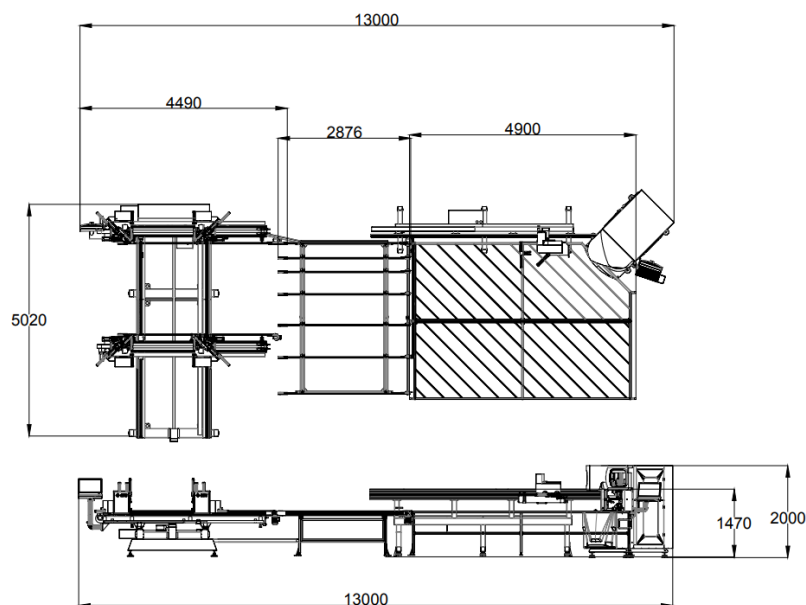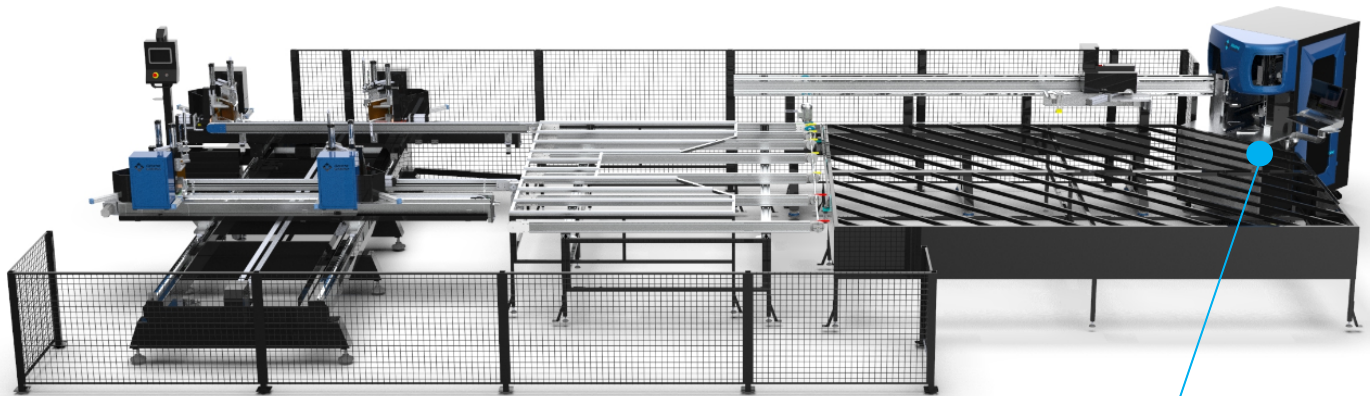
OMR 119

- CNC control system (2 axis)
- High and standard quality with 11 cleaning tools
- Windows based 21,5" touchscreen control system
- Profile programming from drawing of the profile (DXF)
- Unlimited profile memory capacity
- Cleaning errors due to the profile are minimized with a special laser sensor that measures the height of the profile.
- Specially designed control panel stand
- Profile programming with remote connection

Windows based working system

21,5" Touchscreen

Special stand design

Programming profiles from DXF
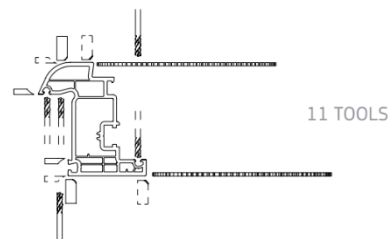
11 TOOLS

With high quality 11 tool can clean the profile each sides

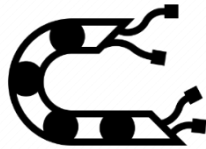Clean all types of profiles

Machine Components;

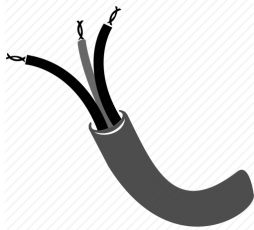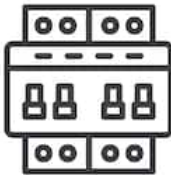| PLC, Servo Motor, Drivers	Pneumatics	Cable Channels
OMRON	SMC	MURR ELEKTRONIK

Wires	Electric Equipment	Sensors
HELUKABEL	Schneider Electric	SICK Sensor Intelligence. / Leuze electronic
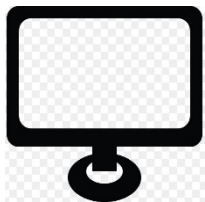
Screens	Saw Motor
ASUS	CEG ELECTRIC MOTORS SINCE 1971