

## SIRIUS

Automatic PVC Welding and Cleaning Line

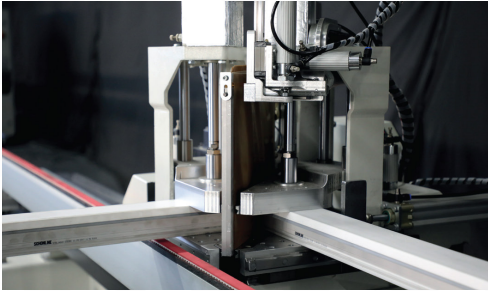


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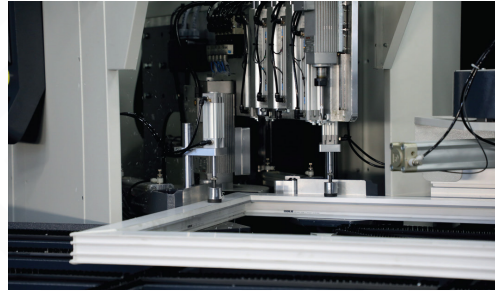


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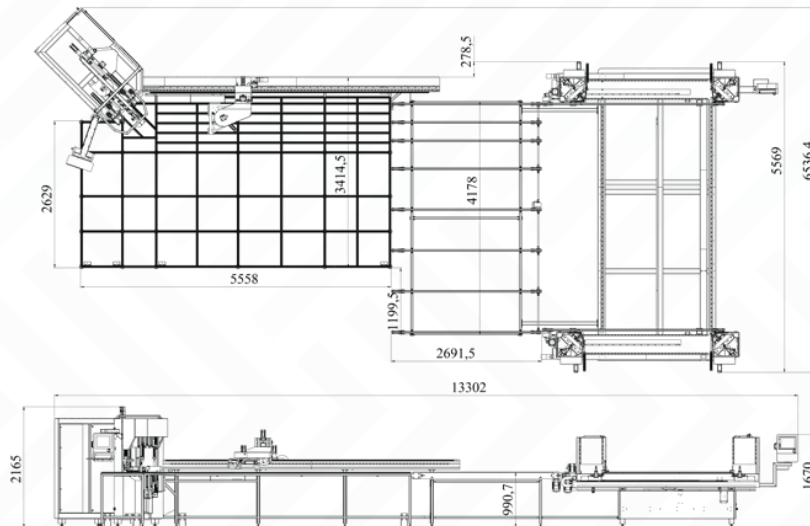
SIRIUS which is the line of Automatic PVC welding and edge cleaning has been developed for cleaning processes occurring in profile after welding and welding at the same time of four edges of plastic profiles. With automatic frame unloading unit, fast transfer to cleaning unit of profile with robot system and with the system of automatic profile rotating, SIRIUS gains time substantially while decreasing workload on user in welding and cleaning processes.



Through its electronic thermostat heat adjustment between 0°C - 350°C, welding time adjustment and digital controlled heat, quadruple welding unit provides scattering homogenised to plaque of heat.



11 pieces of profile cleaning blade and two independent cleaning unit, cleaning bottom, top, interior and external surfaces of the profile.



## SIRIUS

Automatic PVC Welding and Cleaning Line

## WELDING UNIT FRAME DIMENSIONS

|                       |                   |
|-----------------------|-------------------|
| Min. Frame Dimensions | 350 mm x 410 mm   |
| Max. Frame Dimensions | 2650 mm x 4110 mm |

## WELDING AND CLEANING UNIT PROFILE DIMENSIONS

|                     |        |
|---------------------|--------|
| Min. profile height | 40 mm  |
| Max. rofile height  | 200 mm |
| Min. profile width  | 30 mm  |
| Max. profil width   | 150 mm |

## WELDING RANGE

|                   |        |
|-------------------|--------|
| Welding burr size | 0.2 mm |
|-------------------|--------|

## CUTTER UNITS

|                                     |               |
|-------------------------------------|---------------|
| Saw blade diameter                  | 300 mm        |
| Saw blade motor power               | 1.5 kW        |
| Saw blade motor r.p.m.              | 6000 r.p.m.   |
| Saw blade thickness                 | 3.2 mm        |
| Milling Cutter Motor power (x2)     | 1.1 kW        |
| Milling Cutter Motor r.p.m          | 12.000 r.p.m. |
| Milling Cutter Diameter             | 8 mm          |
| Milling Cutter Length               | 120 mm        |
| Profile external cleaning saw blade | ●             |
| Cleaning blades                     | ●             |
| Cutters                             | ●             |

## PROCESSABLE UNITS

|  |   |
|--|---|
| With cutter (External surface)   | 1 |
| With 3 top and 3 bottom blade (Upper and lower surfaces and inner profile) | 3 |
| With 1 top and 1 bottom blade (Upper and lower surfaces)                   | 2 |

## AIR

|          |         |
|----------|---------|
| Pressure | 6-8 Bar |
|----------|---------|

## ELECTRICAL

|            |               |
|------------|---------------|
| Max. Power | 20.85 kW      |
| Voltage    | 400V 3N PE AC |
| Frequency  | 50-60 Hz      |

## OPERATIONAL AREA

|  |   |
|--|---|
| Profile support unit   | ● |
| Barcode reader   | ● |
| Teflon (4 pcs)   | ● |
| Custom mold  | ○ |
| Gasket pressing system Min. Frame Dimensions (Gasket pressing system (with mold)- 480 mm X 480 mm) | ○ |
| Automatic profile rotation system  | ● |
| Profile holding and cooling unit   | ● |
| Profile external cleaning saw blade  | ● |
| Cleaning blades  | ● |
| Profile Control System   | ● |
| Profile Height and Width Measuring Sensor  | ● |

● Standard ○ Opsiyonal