Kaban Machine aims to be the symbol of invariability and reputation for all customers by offering products of universal quality and standards.

 Ahead in every round...
KABAN, which was established in 1986, is one of the biggest Pvc and Aluminium joinery machine manufacturers of the world. KABAN, continues to offer superior quality and modern design products to its day by day growing customer portfolio thanks to its advanced production technology and experienced staff. KABAN has gained confidence of door - window producers not only with its high technology machines but also with after sales service and spare part service.

It shows the importance given to the technology once again by making new investments in his KABAN / Hadimkoy facility which has a 30,000 sqm closed area. The difference of KABAN is offering satisfactory quality and price for high technology products. The concept of making the job properly and completely lies on the basis of its success and this understanding is adopted by all its workers and has become the common culture of Kaban.
The countries we made sales and supplied service.
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 arrangement 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.
PVC Welding and Cleaning Center

- Designed for welding and cleaning the welding chips of PVC frames.
- Robust mechanical design suitable for high speed production.
- Maximum performance thanks to high quality materials used on its production.
- Automatic greasing system.
- Barcode reader.

General Features
Cleaning Unit

- Special design tools clean top, bottom and inner parts of frames.
- Cleans inner parts of sill frames.
- High quality cleaning of top and bottom parts of laminated and unlaminated profiles with different tools.

Welding Unit

- Welds 4 corners of PVC profiles at 90° angle at the same time.
- PID system to adjust heating degree and time parameters independently.
- Saving of time and cost thanks to roller formed teflon replacement system.
- Long lasting heating plate distributes the heat homogeneously.
- Practical mould replacement.
- Linear measurement system provides measuring.
- Tolerance system to minimize measuring faults.

Transfer and Rotating Unit

- Takes the welded frame from cooling unit and conveys to cleaning unit. After first corner is cleaned, rotates the frame to provide the cleaning of other corners respectively.
- It proportions between small and large frames and optimizes rotating speed in order to rotate the frame without vibration and prevents welding quality disintegration.
- Rotating unit prepares the second operation while corner cleaning is made.
- 4 corners cleaning time of a frame is around 50 sec.

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 arrangement 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.
- Information transfer with SD card.

Optional Equipments

- Welding Moulds
- M 100 Unloading Conveyor
- CB 300 Gasket Pressing
  X min: 730 mm
  Y min: 550 mm
FA 1010 Profile Processing and Cutting Center

FA 1030 Profile Processing, Cutting and Screwing Center

General Features
- Robust mechanical design suitable for high speed operations.
- Maximum performance with high quality materials used on production.
- High capacity thanks to independent operation of processing, cutting and screwing units.
- FA 1030 processing, cutting and screwing center has servomotor controlled 14 axis, FA 1010 processing and cutting center has servomotor controlled 12 axis.
- Precise measuring thanks to linear measurement system.
- Reverse cutting to prevent wastes while frame is made from mullion profile.
- Screwing unit can be integrated to FA 1010 later on.
- Automatic greasing system.

Control Panel
- User-friendly operating system compatible to all joinery and optimization programs.
- Minimum waste, maximum production algorithm.
- The wastes are optimized automatically in cutting list.
- Parameters are set easily.
- Different profiles and hardwares can be configured and optimized.
- Periodical maintenance reminder function.
- 17" LCD Screen.
- Usb input.

Profile Loading Unit
- Profile loading capacity: 9 profiles.
- Loading capacity can be increased optionally.
- Automatic profile recognition feature on profile conveyor and positioner.
- Profile Length: Minimum 800 mm – maximum 6.500 mm. (optionally eternal)
- Warning system to prevent wrong profile loading.
### Profile Processing Unit

#### Frame

<table>
<thead>
<tr>
<th>Process</th>
<th>Profile Length</th>
<th>Processed Running Meter</th>
<th>Process Symbols</th>
<th>Process Names</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Frame</td>
<td>50.4 in.</td>
<td></td>
<td>+/- 30° Cutting</td>
<td>Water Slot</td>
</tr>
<tr>
<td>10 Frame</td>
<td>8m 24 s</td>
<td>10</td>
<td></td>
<td>Striker</td>
</tr>
<tr>
<td>571 Frame</td>
<td>8 Hour</td>
<td>571</td>
<td></td>
<td>Mullion Connector Hole</td>
</tr>
</tbody>
</table>

Calculated by processing 10 bars of frame profiles.

#### Sash

<table>
<thead>
<tr>
<th>Process</th>
<th>Profile Length</th>
<th>Processed Running Meter</th>
<th>Process Symbols</th>
<th>Process Names</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Frame</td>
<td>45.5 s</td>
<td>6.66</td>
<td>+/- 30° Cutting</td>
<td>Water Slot</td>
</tr>
<tr>
<td>10 Frame</td>
<td>7m 35 s</td>
<td>422</td>
<td></td>
<td>Striker</td>
</tr>
<tr>
<td>633 Frame</td>
<td>8 Hour</td>
<td>502</td>
<td></td>
<td>Window Handle Holes</td>
</tr>
</tbody>
</table>

Calculated by processing 10 bars of sash profiles.

#### Door

<table>
<thead>
<tr>
<th>Process</th>
<th>Profile Length</th>
<th>Processed Running Meter</th>
<th>Process Symbols</th>
<th>Process Names</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Frame</td>
<td>57.3 s</td>
<td>10</td>
<td>+/- 30° Cutting</td>
<td>Water Slot</td>
</tr>
<tr>
<td>10 Frame</td>
<td>9m 33 s</td>
<td>502</td>
<td></td>
<td>Striker</td>
</tr>
<tr>
<td>502 Frame</td>
<td>8 Hour</td>
<td>3012</td>
<td></td>
<td>Cylinder Hole Espagnollette Can</td>
</tr>
</tbody>
</table>

Calculated by processing 10 bars of door profiles.

- Processing unit has 7 servomotor controlled axis.
- Handle, cylinder holes and water slot canals are performed double sided at the same time.
- * When the hardwares are changed or added, process times may vary.

**Processed profile dimensions:**

- max: 150
**Profile Transfer Unit**

- Conveys the processed profiles to cutting unit.

**Profile Cutting Unit**

- Servo controlled cutting unit. Progress speed and distance can be adjusted for each profile separately.
- Long lasting saw thanks to special working system.

**Profile Screwing Unit**

- Used on FA 1030.
- Screwing conveyor conveys the profile to screwing unit.
- Servo controlled double head screwing unit screws according to profile length and operations made on profile.
- Profile Length to be screwed: Minimum: 340mm maximum: 4360mm.

**Profile Unloading Unit**

- Output robot conveys the cut profiles on conveyor automatically.
- The operator sticks the barcode on cut pieces to prepare for next operation.
### Optional Equipments

- **PTR 200 Shelved Profile Trolley**
  It is designed to stock properly and carry the cut profiles easily.

- **L 100 Gasket Cutting**
  Cuts the welding chips under the gaskets.

- **OK 100 End Milling Unit**
  End milling of 2 profiles at the same time after the cutting unit.

- **H 500 Screwing and drilling unit.**

* Ok 100 and L 100 options can not be installed to the same machine.*

---

### FA 1010

<table>
<thead>
<tr>
<th>Motor Type/Area/Sequence</th>
<th>Power kW</th>
<th>Max. Speed rpm</th>
<th>Axis Speed (rpm)</th>
<th>Tensioner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loading Servo Motor</td>
<td>1.90</td>
<td>5000</td>
<td>-</td>
<td>335</td>
</tr>
<tr>
<td>Loading Conveyor Motor</td>
<td>0.75</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Router X: Axis Servo</td>
<td>0.75</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Router Y: Axis Servo</td>
<td>0.75</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Router Z: Axis Servo</td>
<td>0.40</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Router X: Axis Servo</td>
<td>0.40</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Router Y: Axis Servo</td>
<td>0.40</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Router Z: Axis Servo</td>
<td>0.40</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Transfer Unit Servo</td>
<td>1.90</td>
<td>5000</td>
<td>-</td>
<td>335</td>
</tr>
<tr>
<td>Cutting Motor X: Axis Servo</td>
<td>0.40</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Cutting Motor Y: Axis Servo</td>
<td>0.40</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Cutting Motor Z: Axis Servo</td>
<td>0.40</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Loading Unit Servo</td>
<td>1.90</td>
<td>2800</td>
<td>-</td>
<td>335</td>
</tr>
<tr>
<td>Unloading Unit Servo</td>
<td>1.90</td>
<td>2800</td>
<td>-</td>
<td>335</td>
</tr>
<tr>
<td>Unloading Conveyor</td>
<td>0.75</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

### FA 1030

<table>
<thead>
<tr>
<th>Motor Type/Area/Sequence</th>
<th>Power kW</th>
<th>Max. Speed rpm</th>
<th>Axis Speed (rpm)</th>
<th>Tensioner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loading Servo Motor</td>
<td>1.02</td>
<td>5000</td>
<td>-</td>
<td>335</td>
</tr>
<tr>
<td>Loading Conveyor Motor</td>
<td>0.75</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Router X: Axis Servo</td>
<td>0.75</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Router Y: Axis Servo</td>
<td>0.75</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Router Z: Axis Servo</td>
<td>0.40</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Router X: Axis Servo</td>
<td>0.40</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Router Y: Axis Servo</td>
<td>0.40</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Router Z: Axis Servo</td>
<td>0.40</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Transfer Unit Servo</td>
<td>1.90</td>
<td>2800</td>
<td>-</td>
<td>335</td>
</tr>
<tr>
<td>Cutting Motor X: Axis Servo</td>
<td>0.40</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Cutting Motor Y: Axis Servo</td>
<td>0.40</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Cutting Motor Z: Axis Servo</td>
<td>0.40</td>
<td>-</td>
<td>30 - 60</td>
<td></td>
</tr>
<tr>
<td>Loading Unit Servo</td>
<td>1.90</td>
<td>2800</td>
<td>-</td>
<td>335</td>
</tr>
<tr>
<td>Unloading Unit Servo</td>
<td>1.90</td>
<td>2800</td>
<td>-</td>
<td>335</td>
</tr>
<tr>
<td>Unloading Conveyor</td>
<td>0.75</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

### FA 1010 Diagram

![FA 1010 Diagram](image)

### FA 1030 Diagram

![FA 1030 Diagram](image)
General Features

- Robust mechanical design suitable for high speed operations.
- Maximum performance thanks to high quality components.
- Maximum performance with high quality materials used on production.
- Reverse cutting to prevent wastes while frame is made from mullion profile.
- High capacity thanks to independent operation of processing, cutting and screwing units.
- FA 1080 processing, cutting and screwing center has servomotor controlled 10 axis, FA 1070 processing and cutting center has servomotor controlled 8 axis.
- Precise measuring thanks to linear measurement system.
- Screwing unit can be integrated to FA 1070 later on.
- Automatic gresasing system.
- Barcode printer.
Control Panel

• User-friendly operating system compatible to all joinery and optimization programs.
• Minimum waste, maximum production algorithm.
• The wastes are optimized automatically in cutting list.
• Parameters are set easily.
• Different profiles and hardwares can be configured and optimized.
• Periodical maintenance reminder function.
• 17" LCD Screen.
• Service support with wireless connection.
• Usb input.

Profile Loading Unit

• Profile Loading capacity: 9 profiles.
• Loading capacity can be increased optionally.
• Automatic profile recognition feature on profile conveyor and positioner.
• Minimum 750 mm., maximum 6500 mm. length operation capacity.
• Warning system to prevent wrong profile loading.

Profile Processing and Cutting Unit

• Higher production capacity than the competitors as the processing unit continues to function at the dimensions stated in picture, while the saw cuts.
• While the saw cuts door profiles, Z1 Axis can run at the dimensions stated in picture in order to open cylinder holes at top and bottom sides simultaneously.
• Cutting unit can cut up to 180mm height.

+0.1° Precision
### Profile Processing and Cutting Unit

**Frame**

<table>
<thead>
<tr>
<th>Processing Unit</th>
<th>Profile Length Quan.</th>
<th>Processed Running Meter</th>
<th>Process Symbols</th>
<th>Process Names</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Frame</td>
<td>79.5s</td>
<td></td>
<td></td>
<td>+/-30° Cutting</td>
</tr>
<tr>
<td>10 Frame</td>
<td>13m 15s</td>
<td>10</td>
<td></td>
<td>Water Slot</td>
</tr>
<tr>
<td>362 Frame</td>
<td>8 Hour</td>
<td>362</td>
<td>2172</td>
<td>Striker</td>
</tr>
</tbody>
</table>

Calculated by processing 10 bars of frame profiles.

**Sash**

<table>
<thead>
<tr>
<th>Processing Unit</th>
<th>Profile Length Quan.</th>
<th>Processed Running Meter</th>
<th>Process Symbols</th>
<th>Process Names</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Frame</td>
<td>58.6 s</td>
<td></td>
<td></td>
<td>+/-30° Cutting</td>
</tr>
<tr>
<td>10 Frame</td>
<td>9m 46s</td>
<td>6,66</td>
<td></td>
<td>Water Slot</td>
</tr>
<tr>
<td>491 Frame</td>
<td>8 Hour</td>
<td>327</td>
<td>1962</td>
<td>Striker</td>
</tr>
</tbody>
</table>

Calculated by processing 10 bars of sash profiles.

**Door**

<table>
<thead>
<tr>
<th>Processing Unit</th>
<th>Profile Length Quan.</th>
<th>Processed Running Meter</th>
<th>Process Symbols</th>
<th>Process Names</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Frame</td>
<td>84.9 s</td>
<td></td>
<td></td>
<td>+/-30° Cutting</td>
</tr>
<tr>
<td>10 Frame</td>
<td>14m 9s</td>
<td>10</td>
<td></td>
<td>Water Slot</td>
</tr>
<tr>
<td>339 Frame</td>
<td>8 Hour</td>
<td>339</td>
<td>2034</td>
<td>Striker</td>
</tr>
</tbody>
</table>

Calculated by processing 10 bars of door profiles.

### Processing Unit Details

- **Processing Unit**: Has 4 servomotor controlled axis.
- **Profile Processing and Cutting Unit**: Precision ± 0.1.
- **Profile Processing, Cutting and Screwing Center**: Precision ± 0.1.

**Processed Profile Dimensions**

- **Frame**: 1695 mm x 1768 mm
- **Sash**: 765 mm x 1200 mm
- **Door**: 857 mm x 2172 mm

*When the hardwares are changed or added, process times may vary.*

*Processing unit has 4 servomotor controlled axis.*
Profile Unloading Unit

- Output robot conveys the cut profiles on conveyor automatically.
- The operator sticks the barcode on cut pieces to prepare for next operation.

Profile Screwing Unit

- Screwing conveyor conveys the profile to screwing unit.
- Servo controlled double head screwing unit screws according to profile length and operations made on profile.
- Profile Length to be screwed: Minimum: 400 mm maximum 4650 mm.

Optional Equipments

- PTR 200 Shelved Profile Trolley It is designed to stock properly and carry the cut profiles easily.
### General Features

- It performs milling and cutting operations of PVC Profiles.
- Linear measuring system provides stability of measurement.
- It has an automatic lubrication system.

### Options

- PTR 200 Shelved Profile Transport Carrier is designed for regular storage and easy transport.

---

### SB 3011

<table>
<thead>
<tr>
<th>Motor Specifications</th>
<th>Power (kW)</th>
<th>Motor Speed (rpm)</th>
<th>Angular Speed (°/min)</th>
<th>Axis Speed (mm/min)</th>
<th>Reducer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loading Robot Servo Motor</td>
<td>1,50</td>
<td>2000</td>
<td>-</td>
<td>275</td>
<td></td>
</tr>
<tr>
<td>Router B Axis Servo Motor</td>
<td>0,75</td>
<td>18000</td>
<td>145</td>
<td>-</td>
<td>95 114 G 75</td>
</tr>
<tr>
<td>Router Y Axis Servo Motor</td>
<td>0,40</td>
<td>3000</td>
<td>-</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Router Yz Axis Servo Motor</td>
<td>0,40</td>
<td>3000</td>
<td>-</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Router Z Axis Servo Motor</td>
<td>0,40</td>
<td>3000</td>
<td>-</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Router Z Axis Servo Motor</td>
<td>0,40</td>
<td>3000</td>
<td>-</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Cutting Z Axis Servo Motor</td>
<td>0,75</td>
<td>3000</td>
<td>-</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Unloading Robot Servo Motor</td>
<td>1,00</td>
<td>2000</td>
<td>-</td>
<td>275</td>
<td></td>
</tr>
<tr>
<td>Loading Conveyor Motor</td>
<td>0,37</td>
<td>2820</td>
<td>-</td>
<td></td>
<td>SRT 40 / 100</td>
</tr>
<tr>
<td>Unloading Conveyor Motor</td>
<td>0,37</td>
<td>2820</td>
<td>-</td>
<td></td>
<td>SRT 40 / 100</td>
</tr>
<tr>
<td>Chip Conveyor Motor</td>
<td>0,37</td>
<td>2820</td>
<td>-</td>
<td></td>
<td>SRT 40 / 100</td>
</tr>
<tr>
<td>Router Motor 1</td>
<td>0,75</td>
<td>18000</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Router Motor 2</td>
<td>0,75</td>
<td>18000</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saw Motor (+45°)</td>
<td>1,50</td>
<td>2850</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saw Motor (+45°)</td>
<td>1,50</td>
<td>2850</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saw Motor (+90°)</td>
<td>1,50</td>
<td>2850</td>
<td>-</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

Profile Cutting Height is max. 210 mm.

- 3 saws cut at +45, -45 and 90° angles.
**Profile Loading Unit**
- 9 profiles can be loaded on the entry conveyor.
- The profile loading capacity can also be increased as an option.
- It has profile handling and positioning and automatic profile recognition feature.
- Minimum 886 mm, maximum 6500mm. It measures the profile length automatically (it has an infinite length processing option).
- It has a warning system that prevents you from setting the wrong profile.

**Profile Processing Unit**
- The two symmetrically positioned drills process 360° linearly around the profile.

**Profile Exit Unit**
- The exit robot automatically transfers the cut pieces onto the conveyor.
- If desired, for each finished piece, the label output can be taken from the barcode printer and the production organization can be facilitated.

**Control Panel**
- User-friendly operating system compatible to all joinery and optimization programs.
- Minimum waste, maximum production algorithm.
- The wastes are optimized automatically in cutting list.
- Parameters are set easily.
- Periodical maintenance reminder function.
- 17" LCD Screen.
- Usb input.

**Profile Exit Unit**
- Door handle hole, barrel hole, Mirror centering hole, drainage canal.
- Hinge hole marking.
- Drainage Canal.
- Drainage Canal.
- Espagnolette and lock canal.
- Mullion plate and mounting.
- Striker marking.
- Mullion plate and mounting.
- Mullion connection hole.
General Features

- Output unit automatically transfers the cut pieces to table.
- User-friendly operating system compatible to all joinery and optimization programs.
- Robust mechanical system suitable for high speeds.
- In order to ensure continuous precision, stress relieving method is applied in casting and aluminum parts.
- Minimum waste, maximum production algorithm.
- It cuts with 1 saw between 30°-150° degrees.
- It has 1 waste conveyor to remove the profile wastes from the system with maximum time saving.
Control Panel

- Due to easy to use and flexible operating system, it works in harmony with all joinery and optimization programs.
- It has a working algorithm that fits the minimum wastage, the maximum production principle.
- The wastages can be evaluated automatically by optimizing them in the cut lists sent.
- Parameter settings can be made easily.
- It provides the opportunity to make different configurations from profile and accessories, to make optimization.
- It has a periodic maintenance reminder function.
- 17” LCD Monitor.
- USB socket.

Profile Loading Unit

- 9 profiles can be loaded on the entry conveyor.
- The profile loading capacity can also be increased as an option.
- It has profile handling and positioning and automatic profile recognition feature.
- Minimum 886 mm, maximum 6500mm. It measures the profile length automatically.

Profile Exit Unit

- The exit robot automatically transfers the cut pieces onto the conveyor.
- If desired, for each finished piece, the label output can be taken from the barcode printer and the production organization can be facilitated.

Profile Cutting Unit

- It cuts with 1 saw between 30°-150° degrees.
- Servo controlled cutting unit. Progress speed and distance can be adjusted for each profile separately.
- Long lasting saw thanks to special working system.

Options

- PTR 200 Shelved Profile Transport Carrier is designed for regular storage and easy transport.
AA 1020

Single Head Mitre Saw for PVC

- Support pins to fix the angles at 45° and 90° degrees.
- Upward saw.
- Adjustable saw progress speed
- Maximum safety with cover safety key.
- Long-lived saw and vibration free operation thanks to cast saw cover.

General Features
- Precise cutting of PVC profiles between 20° - 160° degrees.
- Precise angle adjustment with vertical bearing system.

Optional Equipments
- DS 530 L/R Digital Measuring System 4014 mm
- DS 100 L/R Man. Digital Measuring System 3220 mm
- DS 200 L/R Rotating Arm Digital Meas. System 3140 mm
PVC Cutting Machines

**HA 1010**
Single Head Saw-Pneumatical Clamp

**HA 1012**
Single Head Saw-Manual Clamp

**HA 1014**
Portable Single Head Saw-Pneumatical Clamp

**HA 1016**
Portable Single Head Saw-Manual Clamp

### General Features
- Saving of time thanks to rotating plate after profile ends are cut.
- Practical positioning on each 5º.
- Possibility to fixing at intermediate angles.
- +45º, -45º cutting.
- Double safety system.

### Optional Equipments
- L 200 Glazing bead apparatus.

### Optional Equipments
- It is designed for precise cutting of PVC and wooden profiles.
- High quality machine with economical prices.
- Thanks to patented glazing bead apparatus, it is not necessary to buy glazing bead machine.

---

HA1010 - HA2010

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HA1014 - HA2014

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General Features

- V cutting and length cutting up to (a) 65 mm width of PVC profiles.
- 2 pieces of vertical Ø260 saw located at 45° on machine.
- Double support measurement system at both sides of the machine.

Optional Equipments

- DS 530 R/L Digital Measuring System
- V cutting and length cutting up to (a) 65 mm width of PVC profiles.
- 2 pieces of vertical Ø260 saw located at 45° on machine.
- Double support measurement system at both sides of the machine.

- Vertical and horizontal clamping pistons to fix the profiles at 4 different points.
- Practical and toolless cutting depth and length adjustment.
- Waste canal to collect the dust and pieces below the machine.
- Safe operation thanks to double hand start buttons.
Manual Double Head Mitre Saw for PVC & Aluminium

**General Features**
- Precise cutting of aluminium and PVC profiles at 45° and 90°
- Profile support arm between two heads.
- Special vacuum system to cut without depositing sawdust on heads.

**Optional Equipments**
- BB 100 R/L Feeding Table
- BS 400 L Feeding Table (6m)
- CS 100 R/L Double Press
- US 200 Top Press
- DS 1030 Digital Measurement System
- SS 200 Cutting Oil Spray System

- Adjustable saw progress speed.
- Horizontal profile clamping and practical piston place adjustment system.
**AC 1040**

**Full Automatic Double Head Mitre Saw For PVC & Aluminium**

**General Features**

- Option to work with single head and manual adjustment of profile cutting length.
- Profile support arm between two heads.
- Special vacuum system to cut without depositing sawdust on heads.

---

<table>
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- High cutting quality and ease of operation.
- Adjustable saw progress speed.
- Horizontal profile clamping and practical piston place adjustment system.

- On auto mode, it goes to position without operator intervention.
- Option to work with CF Card.
- 1350 different cutting length memory capacity.

Optional Equipments

- SS 800 Cutting Oil Spray System
- BY 100 Barcode Printer
- BB 100 R Feeding Table
- BB 100 E Feeding Table -Additional-
- BS 400 Feeding Table Left(6m)
- KP 100 Cutting Program
- CS 100 Double Press
- US 200 Top Press
**HD 2012**

**Automatic PVC Glazing Bead Saw (Universal)**

- Cuts two profiles at the same time without moulds.
- Precise glazing bead cutting.

**General Features**

- Precise cutting of PVC glazing beads at 45°.
- Adjustable saw progress speed.
- Profile measuring and left feeding table.

---

HD 2012

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<td>Height</td>
<td>55 x 12 x 6 E</td>
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</table>
Automatic PVC Glazing Bead Saw (Universal) with Digital Measurement System

General Features

- Precise cutting of PVC glazing beads at 45°.
- Adjustable saw progress speed.
- Digital caliper measures up to 1532 mm as standard and up to 2532 mm with extra bar.

Optional Equipments

- EB 100 Ethernet Connection

HD 2014

- 1000 different cutting length memory capacity.
- Data transfer with CF card.
- User friendly interface.
- Wireless data transfer up to 100m with digital caliper.
- Support plate goes to measurement automatically.
MH 1010

**Single Head Welding Machine**

- Stainless steel, long lasting plates.
- Time saving while profile is clamped as the stopper is adjusted 3-5 mm higher than profile.
- Provides safe operation.
- Practical teflon change thanks to roller system.
- Stable heat distribution and long lasting heater plates distributes the heat homogenously.

### Optional Equipments

**Welding Moulds**

- Single corner welding of PVC profiles between 60°-180°
- Portable, mobile.
- Welding with maximum resistance.
- Practical mould change system.
- Digital setting of heating values.
- Zero welding with 0.2 mm tolerance.

### General Features
General Features

- Welding operations on PVC profiles shown in Image 1.
- 90° welding of PVC profiles.
- Practical mould change system.
- Precision of welding quality thanks to linear rails.
- Normal and zero (0.2 mm) welding adjustment.
- Digital setting of heating values.
- Practical folding profile support table.
BA 2030 Single Head Welding Machine

**General Features**
- Single corner welding of profiles between 30°-180°.
- Smooth welding of long profiles thanks to rotating support arms.
- All heat and time parameters are set independently.
- Digital setting of heating values.
- Piston stroke is adjusted according to profile height through stoppers.
- Time saving while profile is clamped as the stopper is adjusted 3-5 mm higher than profile.
- Practical teflon change thanks to roller system.
- Stable heat distribution and long lasting heater plates distributes the heat homogenously.

- Standard zero (0.2mm) welding. It can be adjusted to normal welding.
- Continuous precision of welding quality thanks to linear rails.

Optional Equipments
- Welding Moulds
- Practical mould change system.
- Stainless steel, long lasting plates.
Double Head Adjustable Angle Welding Machine

General Features

- Precise double corner welding of profiles between 40°-180°.
- On both heads 90° and intermediate angle welding can be made independently.
- All heat and time parameters are set independently.
- Smooth welding of long profiles thanks to rotating support arms.
- Practical adjustment of zero and normal welding thickness.
- Safe working with low pressure top pressing pistons.
- Pressure control system allows the machine run with correct air pressure.
- Saving of time thanks to practical mould change system.
- Stainless steel, long lasting claw plates.

- Piston stroke is adjusted according to profile height through stoppers.
- Time saving thanks to its patented system while profile is clamped as the stopper is adjusted 3-5 mm higher than profile.
- Zero and normal welding chip thickness adjustment thanks to practical adjustment system.

- Smooth gasket surfaces thanks to optional gasket pressing system.

- Continuous precision of welding quality thanks to linear rails.

- Practical teflon change thanks to roller system.
- Stable heat distribution and long lasting heater plates distributes the heat homogenously.

Optional Equipments
- Welding Moulds
- C 100 Gasket Pressing System
Chipless Four Head Welding Machine

**General Features**

- It welds the four corners of the PVC profiles without any chips at an angle of 90°. In the first stage, the welding surface areas of the profiles placed on the machine are milled with the help of the milling group consisting of cutting tips. After milling, the profiles are welded at a 90° angle. Finally, the stripping blades remove the weld chips.
- With PID system, heating degree and time parameters are set independently from each other.
- A smooth gasket assembly is achieved without using a gasket system.
- Thanks to the teflon renewal system in roll form in the resistance plate, it distributes heat homogeneously and saves time and cost.
- Time saving thanks to practical welding mould replacement system.
- Thanks to the functional program, it provides separate adjustment for each edge in milling operations.
- It tolerates cutting angle errors in profiles up to 0.5°.
- It tolerates cutting length errors in the profiles up to +2 mm.
- It is positioned according to the profile size and provides easy profile placement of the operator.
- It provides easy control thanks to digital control system in all axes.
- It is possible to make measure tolerance in all axes separately.
- The pressure control system allows the machine to operate at the correct air pressure.
- Automatic lubrication system.
- Computer controlled axial movements ensure a measurement accuracy of less than 0.1 mm.
- Easy operation and programming with 17” LCD Monitor.
- It is possible to define a separate process at every point via the profile drawing in DXF format.
- It makes welding without any chips on the outer surfaces by means of our own system. Therefore, it does not require corner cleaning after welding.
- Less space than the current welding and cleaning center.
- Saves workforce as it works with a single operator.
- It can be used with PVC profiles of all colors.

As a result of 7 years of work, we proudly introduce to the PVC industry and start the mass production of the chipless welding machine, which makes the corners of PVC profiles free of chips and carries the corner strength above the normal limits by enriching the high-tech parts with patents.
Milling

- The milling group consists of cutting tips and makes the milling of profile surface and gasket to be welded.

Operation System

- Easy to use and flexible operating system works with all joinery and optimization programs.
- By means of special software, the stowing order in the profile trolley can be selected from the screen and customer based production can be made.
- Easy parameter setting.
- Periodic maintenance reminder function is available.
- Welding can be done by entering manual measurement without using barcode reader.
- Barcode reader is included.
- Ethernet connection.

Examples of Processable Profile Shapes

Welding Moulds

- Time saving thanks to practical welding mould replacement system.
- Axes can be positioned with a precision of 0.1mm.
- Cutting and welding tolerances are distributed evenly to 4 corners.
- X and Y axes are positioned automatically.

Stripping Blade

- Stripping blades remove the chips caused by welding process on the upper and lower surfaces of the profile.

Heating Plate

- Heating plates provide uniform distribution of heat. With the special teflon system on these plates, longer term and more efficient teflon usage is provided. Teflon replacement system in the form of rolls saves time and cost.
MK 2010

Four Head Welding Machine

General Features

- 90° welding of four corners of PVC profiles.
- Tolerance system to minimize measuring faults.
- Automatic greasing system.
• User-friendly operating system compatible to all joinery and optimization programs.
• Parameters are set easily.
• Different profiles and hardwares can be configured and optimized.
• Periodical maintenance reminder function.
• Welding by inserting the dimensions manually without using barcode reader.
• Operation with SD card.
• Barcode reader.
• Has ethernet connection.

• Practical teflon change thanks to roller system.

• Saving of time thanks to practical mould change system.
• Axis positioning 0.1mm sensitivity.
• Cutting and welding tolerances distributes equally to 4 corners.
• X and Y axis automatic positioning.

Optional Equipments

• CB 300
  Gasket Pressing
  X min: 730 mm
  Y min: 550 mm

• Automatic line can be made by combining with 4 head welding machine, cooling unit, rotating robot and CNC corner cleaning machine.
Four Head Welding Machine

**General Features**

- It can weld four corners of PVC profiles at 90° angle at the same time.
- Time saving thanks to practical welding mould replacement system.
- Teflon replacement system in the form of rolls saves time and cost.
- Long lasting heater plate distributes heat homogeneously.
- It has automatic lubrication system.
- With PID system, heating degree and time parameters are set independently from each other.
- The pressure control system allows the machine to operate at the correct air pressure.
- Measurement errors are minimized by the tolerance system.
- It can work with SD card.
Teflon System

- Teflon replacement system in the form of rolls saves time and cost.
- Axes can be positioned with a precision of 0.1 mm.
- Cutting and welding tolerances are distributed evenly to 4 corners.
- The X and Y axes are positioned automatically.

Optional Equipments

- CB 300 Gasket
  - X min: 730 mm
  - Y min: 150 mm

Welding Mould

- Time saving thanks to practical welding mould replacement system.
Modular PVC Corner Cleaning Machine

**General Features**
- It is designed to clean PVC frame corners made of 90° angle.
- Top and bottom stripping and corner cleaning operations can be made independently.
- It has profile stand for long profiles.

**Optional Equipments**
- Corner Cleaning Cutters

**Technical Specifications**
- Stripping blade levels are adjustable according to laminated and un laminated frames.
- Top and bottom welding chips are cleaned at the same time.
- Practical cutter change.
- Modular system.
- 3 different cutter set can be mounted on a modul.
- Cleaning of outer corner welding chips.
- High quality cleaning thanks to hydropneumatic system.
PVC Corner Cleaning and Angled End Milling Machine

End Milling Process:
- Support system adjustable to 4 different profiles.
- High quality end milling thanks to hydropneumatic system.
- End milling of mullions cut between 45° and 90°.

Corner Cleaning Process:
- Modular system. Practical change of cutters.
- Cleaning of outer corner welding chips.

Cleaning Process:
- Cleaning of top and bottom surfaces with stripping blades.

Optional Equipments
- Corner Cleaning Cutters
- End Milling Cutters

General Features
- Practical corner cleaning and angled end milling of PVC profiles.
- Cutter mechanism which moves automatically.
- Pneumatical profile clamping system.
- Profile table for long profiles.
- Automatic operation with hydropneumatic system.
- Cutter depth adjustment according to laminated and unlaminated profiles.
2 Axis CNC Corner Cleaning Machine

- It is designed to clean PVC frame corners made of 90° angle.
- Cleaning of a corner in min. 9 sec. - max. 18 sec. according to profile type.
- Robust mechanical design suitable for high speed production.
- Maximum performance thanks to high quality materials used on its production.
- Automatic greasing system.

Profile shapes to be processed.
- Software which allows to create receipts at laminated-unlaminated, with gasket-without gasket categories.
- Machine parameters and receipt creation operations.
- Expandable memory with a capacity of 250 different profiles.
- Portable user friendly screen.
- Periodical maintenance reminder function.

- Automatic profile definition feature thanks to measuring and control systems.

Lame Sash Cleaning:

- As it is programmable, it is unrivaled in terms of speed and quality.
- High quality cleaning ability.
- Cleaning with minimum time loss.
- Cleaning with existing machine without using additional tools.
- Minimum setting requirement.
- Automatic and precise cleaning with computer program.
- Cleans inner parts of sill frames.
**PVC 4X4 CNC Corner Cleaning Machine**

- **CD 4200**

**General Features**

- Cleaning of 90° PVC frames corners.
- Robust mechanical design suitable for high speed production.
- Maximum performance thanks to high quality materials used on its production.
- Automatic greasing system.
- Conveys the profiles without damaging thanks to loading and unloading conveyors.

**Software**
- Allows to create receipts at laminated-unlaminated, with gasket-without gasket categories.
- Machine parameters and receipt creation operations.
- Expandable memory with a capacity of 250 different profiles.
- Portable user friendly screen.

**CNC Units**
- 4 pieces of 4 axes CNC units which position automatically in order to clean different dimensioned frames.
- Saving of time and place as it cleans 4 corners at the same time.

**Cleaning**
- High performance cleaning on four corners with 44 tools.
- Cleaning of outer corner welding chips of frames.

**Technical Specifications**

- CD 4200:
  - Length: 2850 x 2400
  - Width: 590 x 410
  - Height: 800 x 800
  - Weight: 5400 kg
  - Dimensions: 450 x 1000 x 2110
  - Options: 156
  - Other: 429
General Features

- It makes chip cleaning of V-shaped welded PVC profiles.
- The machine works with 4 blades.
- The blades according to the profile specifications are easily selected from the control panel.
- Cleans the top and bottom surfaces of the profile in a single operation.
- At the end of the operation, the whole line goes to the starting point.
- Provides high performance with high material quality.
- It has PLC control panel.
- High current relay is available.
Modular End Milling and Corner Cleaning Machine

Cutter Change System:
- Practical cutter change system provides ease of operation while more than one series is used.

Corner Cleaning:
- Cleans the outer sides chips of the profile.

Optional Equipments
- Corner Cleaning Cutters
- End Milling Cutters

General Features
- End milling operation on PVC profiles at 45° and 90°.
- Corner cleaning operation on PVC profiles after welding.
- Easily adjustable angular and eccentric support plates.
- Safe operation with safety covers.
- Easy cutter adjustment by the help of cutter gab.
- Cutter storing with cutter shelf.
Angled End Milling Machine

General Features

- End milling of PVC profiles at 22.5° +22.5° range.
- Angle adjustment with mechanical support plates.
- Practical cutter progress speed adjustment.
- Safe operation with safety cover.
- Practical cutter adjustment thanks to cutter gab.
- Cutter storing with cutter shelf.

Optional Equipments

- End Milling Cutters

Reverse Cutter End Milling:
- End milling with reverse cutter at -22.5°, -45° range.

Flat Cutter End Milling:
- End milling with flat cutter at -22.5°, +45° range.

End Milling:
- Support system adjustable to four different profiles.
- High quality end milling thanks to hydropneumatic system.

Cutter Change System:
- Practical cutter change system provides ease of operation.
Multiple End Milling Machine

**Optional Equipments**

- Practical adjustment with rotating mechanical support plates.
- End milling of 1 to 6 profiles.
- Easy and safe cutter change as it is pneumatical and has special lock system.

- Side press pistons to provide end milling at setsquare.
- End milling of 6 profiles at the same time.
- Thanks to screwed shaft system the speed is adjusted electronically to provide high quality products.

- Front sections to store the cutters.

**General Features**

- End milling of PVC profiles.
- Practical cutter progress speed adjustment thanks to screwed shaft system.
- Safe operation with safety cover.
- Electronical speed adjustment prevents profiles breakage while processing.
- Support arms in front of the machine to provide stable end milling of profiles up to 2.5 meters.
Gasket Cutting Machine **HJ 2010**

- Four cutting blades.
- Easy adjustment according to profile type thanks to the practical adjustment system.

**General Features**

- Cuts the PVC gaskets and the parts below the gaskets before welding and prevents swelling below the gaskets after welding.
- Average process time is 37 seconds.

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CNC Gasket Cutting Machine **HJ 3010**

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Mullion Connector Screwing Machine

RG 2000

- Automatic screwing of PVC mullion profile connectors.
- Connector screwing time is 11 sec.
- Easy adjustment with stoppers.
- Practical adjustment system for different connectors.

RG 3000

- Saving of time with connector feed unit. (RG 3000 model has this feature.)
- Fast screwing with automatic screw feeding unit.

General Features

RG 2000

- Weight (kg): 650
- Dimensions (mm): 1507 x 1010 x 1669
- Power requirement (kW): 0.03

RG 3000

- Weight (kg): 760
- Dimensions (mm): 1507 x 1010 x 1669
- Power requirement (kW): 0.03
Triple Drilling Water Slot Machine

**General Features**

- Water slot opening on PVC profiles shown on Image 1.
- Practical operation thanks to versatile stoppers.
- Practical adjustment with rotating mechanical support plates.
- Hydropneumatic pistons to adjust progress speed.

- Operation with adjustable angled and positioned 3 drillers.
- The driller detail special to profile process is shown on machine panel.
Copy Router and Water Slot Machine with Three Drills

**General Features**

- Espagnolette canal, lock, cylinder and handle holes opening on PVC profiles.
- Copy routing with template.
- Driller motors move separately.
- Canal opening without template thanks to support plates.

- Practical adjustment of profile height and driller depth by the help of stoppers.
- Water slot opening on PVC profiles with pneumatical system.
- Manual control with the guideness of tracking tip.
- Canal opening without template thanks to support plates.

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2495

1525

841

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DE 4090...
Manual Triple Drill Copy Routing Machine

General Features

- Espagnolette canal, lock, cylinder and handle holes opening and triple drilling on PVC profiles.
- Copy router motor runs with a button easily.
- Practical setting with mechanical support plates.
- Canal opening without template thanks to support plates.

Optional Equipments

- HR 100 Centering Device

- Manual control with the guideness of tracking tip.
- Copy routing with 1:1 ratio template.
- Practical height adjustment with support stoppers.
Manual Copy Routing Machine

General Features
• Espagnolette canal, lock, cylinder and handle holes opening on PVC profiles.
• Copy router motor runs with a button easily.
• Canal opening without template thanks to support mills.

Optional Equipments
• MR 100 Centering Device

• Manual control with the guideness of tracking tip.
• Copy routing with 1:1 ratio template.
• Practical height adjustment with rotating support stoppers.
Triple Drill Milling and Reinforcement Steel Screwdriver

DE 4060 / DE 4070

- Screwing force and point are adjustable.
- Practical height adjustment with rotating mechanical support plates.
- Hydropneumatic system to enable fine and smooth triple drilling of profiles together with reinforcement steel.
- Centering device and manual measurement system combined in one design.
- Screwing and drilling operations are made independently at the same time.

Optional Equipments
- MR 100
  - Multiple Support Plate
  - Centering Unit

General Features
- DE 4060 opens handle and espagnolette holes on PVC sash profiles together with reinforcement steel.
- DE 4070 screws reinforcement steel, opens handle and espagnolette holes on PVC sash profiles together with reinforcement steel.
- Adjustable drill moving speed.
- Profile detection switch prevents working without profile.
- Motors move independently through selection button.

DE 4060
- 2430
- 828
- 1054

DE 4070
- 3356
- 820
- 2136
**General Features**

- Swift and perfect screwing of profiles with reinforcement steel installed.
- Adjustable screwing place and strength.
- Standard measurement of bits tip used on machine is PH2 127mm. Other tips should not be used except this.
- Screwing up to 5mm sheet material in case of using recommended screws.
- Automatic screw feeding.
- Left and Right profile feeding stand.
- Warning and security labels in different languages.
- Working with pedal.
- Fast transition between different profiles thanks to adjustable table.
General Features

• Swift and perfect screwing of profiles with reinforcement steel installed.
• Adjustable screwing place and strength.
• Standard measurement of bits tip used on machine is PH2 127mm. Other tips should not be used except this.
• Screwing up to 5mm sheet material in case of using recommended screws.
• Automatic screw feeding.
• Left and Right profile feeding stand.
• Warning and security labels in different languages.
• Double screwing unit.
• Working of screwing heads jointly or independently.
• Center points of screwing heads is between 250-550mm.
• Working with pedal.
• Fast transition between different profiles thanks to adjustable table.
RC 1010 Assembly Table

RC 2010 Door and Sash Assembly Table

**General Features**

- Minimizes fatigue of operator. E.g. instead of turning 100 pieces of 20 kg frames by hand every time by the help of desktop balls, 2,000 kg is carried by table.
- Marking apparatus to position and assemble top and bottom hinges easily.
- Hardwares are stored in table to hold the operator on working area.
- RC 1010 and RC 2010 can form a line by colligating side by side or independently.

**Optional Equipments**

- H 300 Punch Unit with Manual Measurement System

- Punch unit to cut espagnolette and double opening stay arms at requested dimensions.
General Features

- Fast, safe and practical glass installation on doors and windows.
- Fast and secure transfer by roller system.
- Ergonomic assembly height is obtained by lifting the frame up.
- The frame is fixed with pneumatic clamping pistons.

• Assembly ease with up down movement facility.
**EK 1040**

**Sash Assembly Station**

- Automatic centering system to center different profile brands and series.
- Triple drilling and espagnolette hole opening on sash frames.
- Automatic screwing and feeding units.
- Linear laser unit for easy screwing.
- Punch unit and practical measurement system.

**General Features**

- Ease of PVC sash frames hardware assembly.
- Top and bottom shelves for hardwares.
- Cuts double opening hardwares with requested measurements and screws them on frame.
- Single opening espagnolette on door sashes can be mounted.
- Single and double opening sash hardwares can be mounted.
- Triple drilling and espagnolette hole opening on sash frames.
- Drills hinge and pin holes on right and left sashes.
Shelved Profile Trolley  PTR 200

- 4 pieces of profile which form a frame are collected in a section.
- Has 64 sections.
- L: 182.5 cm
- W: 125 cm
- H: 204.6 cm
- 330 kg

Profile Breaking Test Apparatus  TE 1010

- The power while the profile is broken, can be followed from screen.
- Max. 20,000N press power capacity.
- 50 mm/min press power at stable speed.
- Calibrated in Newton type.
- Precise adjustment with hydraulic system.
- Endurance test of welding.

General Features

- It is designed to stock and carry easily the cut profile.
SINGLE LINE
80-90 Frames/8 Hours
Automatic PVC Glazing Bead Saw (Universal) with Digital Measurement System
Automatic PVC Glazing Bead Saw (Universal)
2-Axis CNC Corner Cleaning Machine
Modular Corner Cleaning Machine
Double Head Adjustable Angle Welding Machine
Reinforcement Steel Screwdriver

ENTRY

DOUBLE LINE
160-180 Frames/8 Hours

Sash Assembly Station
Adjustable Angle End Milling Machine

Manual Double Head Mitre Saw for PVC & Aluminium
Full Automatic Double Head Mitre Saw for PVC & Aluminium
Water Slot Machine
Manual Triple Drill Copy Routing Machine
ENTRY

**ECONOMIC LINE**

45-50 Frames/8 Hours

- **HA 1010** Single Head Saw-Pneumatical Clamp
- **DE 4090** Copy Router and Water Slot Machine with Three Drills
- **MH 1010** Single Head Welding Machine
- **CH 3040** PVC Corner Cleaning and Angled End Milling Machine
ENTRY

AUTOMATIC LINE
350-500 Frames/8 Hours

PVC Profile Processing and Cutting Center
Shelved Profile Trolley
Multiple End Milling Machine
Sash Assembly Station
Welding and Corner Cleaning Center

Window - Door Glazing Unit (Semi Automatic)
Automatic PVC Glazing Bead Saw (Universal) with Digital Measurement System
Assembly Table
Door and Sash Assembly Table
2 Axec CNC Corner Cleaning Machine
Double Head Adjustable Angle Welding Machine
AUTOMATIC LINE
1300-1400 Frames/8 Hours

ENTRY

FA 1030
Profile Processing, Cutting and Reinforcement Steel Screwing Center

FA 1010
Profile Processing and Cutting Center

PTR 200
Shelved Profile Trolley

PA 2010
Multiple End Milling Machine

EK 1040
Sash Assembly Station

FA 1050
4x4 Welding and CNC Cleaning Center

RD 2010
Window - Door Glazing Unit (Semi Automatic)

HD 2014
Automatic PVC Glazing Bead Saw (Universal) with Digital Measurement System

RC 1010
Assembly Table

RC 2010
Door and Sash Assembly Table
Components from respected brands are used in Kaban Machine product portfolio.

Kaban Machine reserves the right to change, alter or modify the products at any time in this catalog.