

### **PVCu Machining Centre**

The SBA-2 has evolved through many years of working experience and is the perfect combination of cutting and machining PVCu profiles for the UK window industry. The heavy-duty design gives years of trouble-free bar processing. Assembled using top quality parts along with the Beckhoff control system, this machining centre is easily programmed and adjusted to suit the customers range of windows.

- Performs all sawing, routing, drilling & marking operations and is able to do special cutting operations – V-notch, Y-notch and arrowhead cutting on PVCu profiles
- Able to work at high speed and precision thanks to 7 axis controlled by servo motors
- Stacking of 10 profiles (max 6500mm length)
- Programmable gripper unit with zero-point positioning
- 12 tool dedicated routing station with option for special tooling if required
- Cutting station with 3 x 550mm saw-blades for greater accuracy and speed
- Automatic profile support system to avoid rolling of profiles
- Automatic conveyor belt system to transport scrap profiles to the waste container
- Manual barcode labelling system integrated with single lines
- Extraction system for saw unit
- High performance 15" touchscreen industrial PC with Windows 10 operating system, which work between 0°C and 55°C
- All error messages can be monitored from the screen
- Data transfer is available via network connection of USB interface
- Central lubrication system to ease machine maintenance



### Operating Features

- 45° – 90° – 45° cutting for square, mitre, V-notch, Y-notch and arrowhead cutting
- Drainage, concealed, face, internally or externally glazed
- Friction stay marking, keeps, door hinges and low threshold
- Frame & sash routing. Single 3 or 4 point
- French, bifold, patio doors etc

### Technical Features

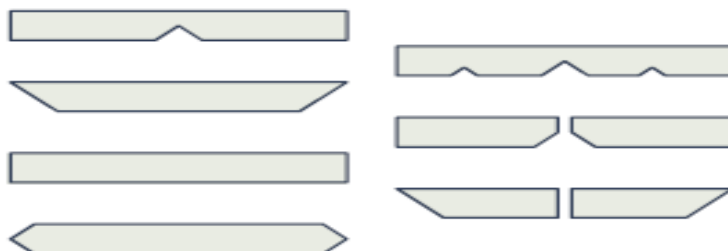
- Power supply: 220-400V, 50-60Hz
- Total power output: 15kW, 40A
- Saw diameter: 550mm
- Air pressure: 6-8 bar
- Air consumption: 120 l/min
- Maximum profile height: 140mm
- Minimum profile height: 45mm
- Maximum profile width: 130mm
- Minimum profile width: 40mm
- Maximum profile length: 6500mm
- Minimum profile length: 400mm
- Maximum raw profile length: 6500mm
- Machine height: 2,400mm
- Machine length: 15,500mm
- Machine width: 3,500mm
- Machine weight: 5,000kg

### Optional

Automatic central lubrication system

Cooling unit for electrical cabinet

### Profile Cut Options





## Machine Dimensions

