

AS 423



DOUBLE MITRE SAW



MACHINE DESCRIPTION

Automatic double mitre saw for cutting aluminum and PVC profiles. Electrowelded and machined rigid steel construction.

Saw blade diameter 500 mm / 3.0 kW 2,800 rpm motors.

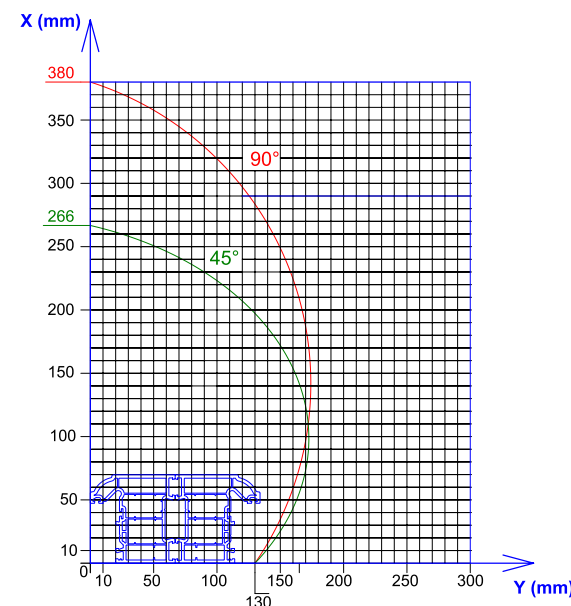
Net cutting length of 4,000 mm that can be extended to 7,500 mm with software support. 10.0" TFT-LCD touch panel and PLC controller. Movable head moves on a rack and pinion with a brushless servo motor and reducer through linear guides.

The saw-feed mechanism moves with a cross-section path following a bow-type trajectory to clamp the profile better, maintain a perfect cut surface, and protect the saw blade's lifetime. Cutting heads tilt outside from 45° to 90° pneumatically via a cylinder; intermediate angles are adjusted manually.

Maximum cutting width : 130 mm.
 Maximum cutting height : 380 mm.
 Minimum cut from 45° to 90° tilted outside : 220 mm.
 Minimum cut at 45° tilted with pneumatic feed option : 120 mm.
 Minimum cut at 45° with short piece support : 135 mm.

Total installed power : 9 kW / 18A / 400 V / 50-60 Hz / 3-phase.
 Air pressure and air consumption : 6-8 bar / 70 l/min.

Protection covers move up and down automatically.
 Two horizontal and one vertical clamping pistons for each head.
 Roller conveyor connected to the movable head.
 Colored cables inside the electrical cabinet.
 CE certificate / User manual – English language.



OPTIONAL EQUIPMENT

Hydro-pneumatic feeding of the cutting saws and pulse spray mist coolant system for aluminum. Data transfer package for integration with window production software. Features include data importing, label printing, and transferring data to the CNC profile machining center via barcode.

Label printer.

PC user interface with 15.6" TFT-LCD screen + Intel i3 PC with 8GB RAM and 500GB HDD.

Automatic profile height measurement system via pneumatic cylinder.

Pneumatic supports mounted along the machine; turning on/off automatically via the PLC according to the profile size, with a protection hood. Protection hood placed in front of the head, equipped with extra emergency and clamping buttons.

Short-cut with pneumatic feed: accomplished through a pneumatic cylinder with 200 mm stroke, mounted under the roller conveyor of the movable head, for cutting small pieces automatically under PLC control.

Pneumatic short-piece support for cutting short profiles into smaller sizes, controlled by the PLC.

Pneumatic "Arrow Head" cutting stopper, customized for the UK market, controlled by the PLC.

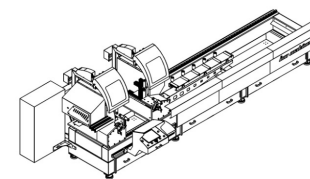
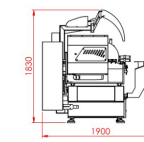
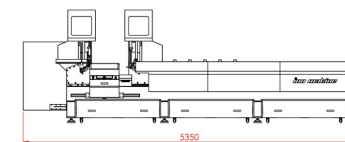
Extended cut for processing profiles longer than the machine's net length.

Step-by-step cut for corner cleats.

Manual central supports.

Movable dust extraction drawers placed under the machine.

Dust extractor 3.0 kW with steel and plastic pipes.



1.700 kgs.

