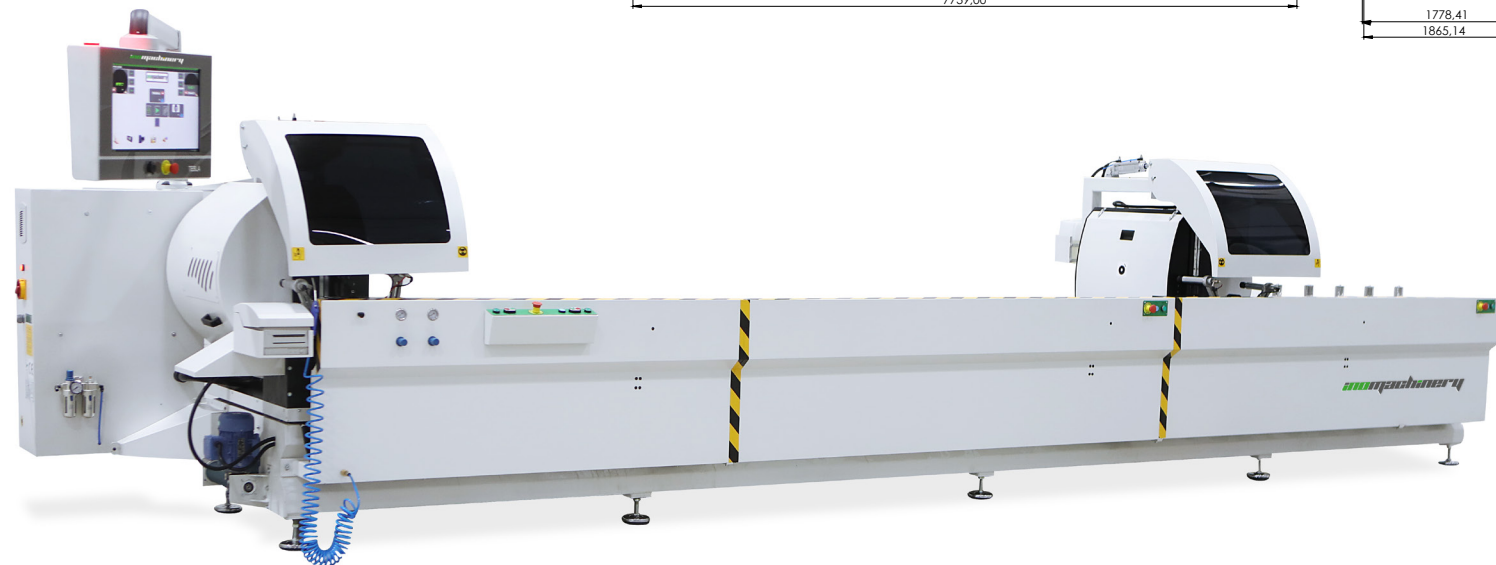
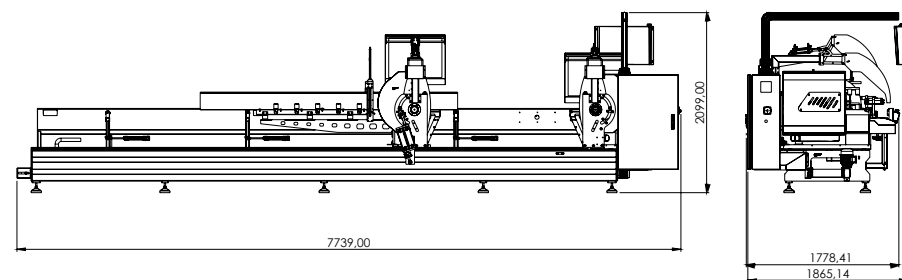


DOUBLE MITRE SAW



MACHINE DESCRIPTION

Automatic double mitre saw customized for aluminum profiles. The 600 mm saw blades provide the user with the capability to cut large-section aluminum profiles with perfect precision and cut clearance in both the architectural and industrial segments. Electrowelded and machined rigid steel construction. Net cutting length of 6,000 mm that can be extended to 11,500 mm with software support. Net cutting length of 4,000 mm that can be extended to 7,500 mm with software support.

PC user interface with 21.5" TFT-LCD screen + Intel i3 PC with 8GB RAM and 500GB HDD.

Movable head moves on a rack and pinion with a brushless servo motor and reducer through linear guides. Hydro-pneumatic feeding of the cutting saws. Pulse spray mist coolant system.

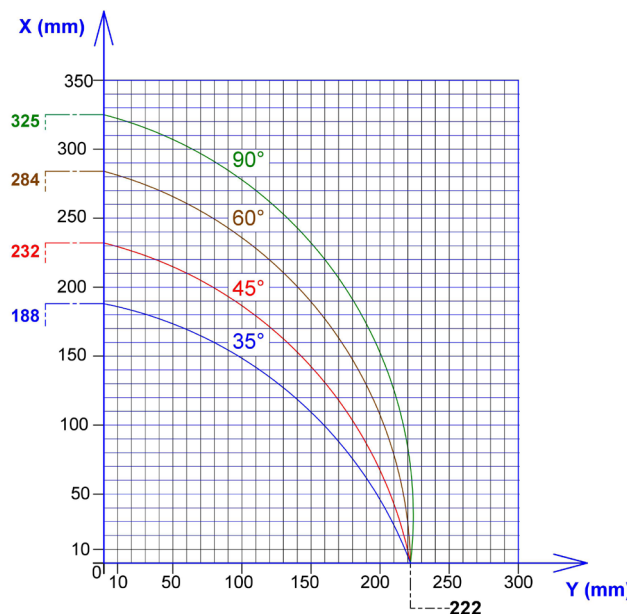
The saw-feed mechanism moves with a cross-section path following a bow-type trajectory to clamp the profile better, maintain a perfect cut surface, and protect the saw blade's lifetime. Cutting heads tilt inside to 45°, outside to 135°, and to 90° pneumatically via a cylinder; intermediate angles are adjusted manually. Optional angular movement with additional servo axes between 22.5° and 135°.

Saw blade diameter	: 600 mm / 3.0 kW 2,800 rpm motors.
Maximum cutting width	: 222 mm.
Maximum cutting height	: 325 mm.
Minimum cut at 45° tilted inside	: 779 mm.
Minimum cut at 45° tilted inside with pneumatic feed option	: 579 mm.
Minimum cut at 45° with short piece support	: 320 mm.
Minimum cut from 22.5° to 90° tilted outside	: 620 mm.

Optional "Mixed-cut" allows for cutting profiles at 45 degrees automatically in any size.

Total installed power	: 10 kW / 20A / 400 V / 50-60 Hz / 3-phase.
Air pressure and air consumption	: 6-8 bar / 80 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

Tilting both heads from 45° inside to 22.5° outside, with all intermediate degrees adjusted automatically via servo motors and a 3-axis CNC controller.

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.

Automatic profile height measurement system via pneumatic cylinder.

Mixed-cut feature for cutting different angles with different measurements automatically through a program the operator can write using the control panel. The movable head feeds the profile bar while the stationary head performs the cut.

Pneumatic supports mounted along the machine; these turn 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.

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

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

Step-by-step cut for corner cleats.

Manual central supports.

NC-controlled dust extraction roller conveyor placed at the bottom of the machine.

Dust extractor 3.0 kW with steel and plastic pipes.

