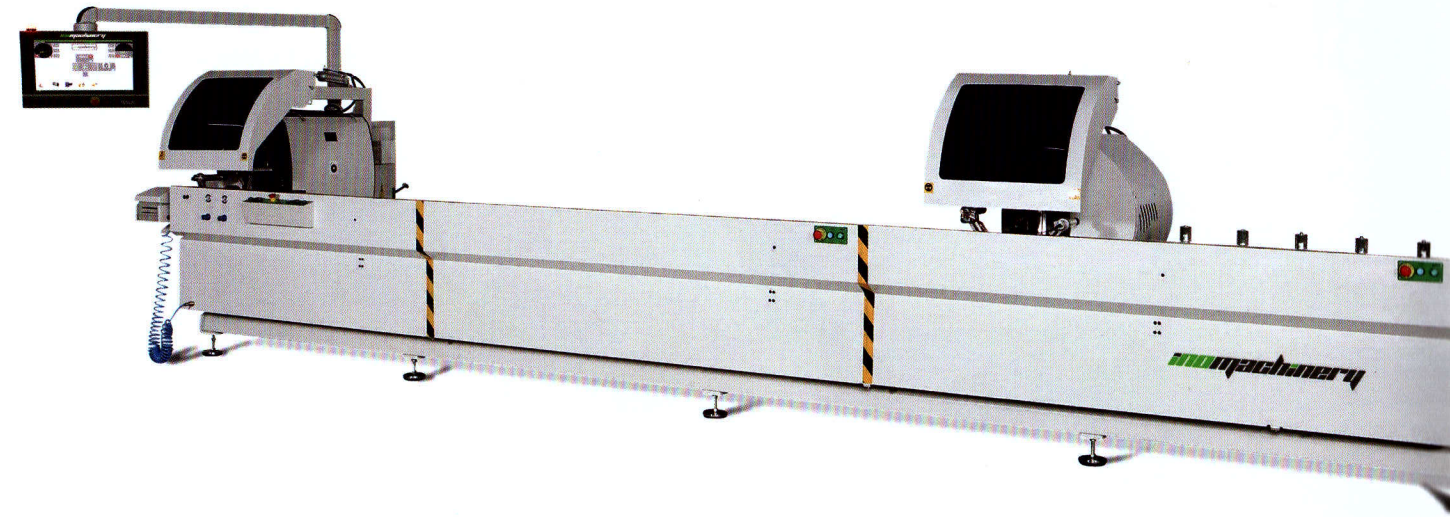
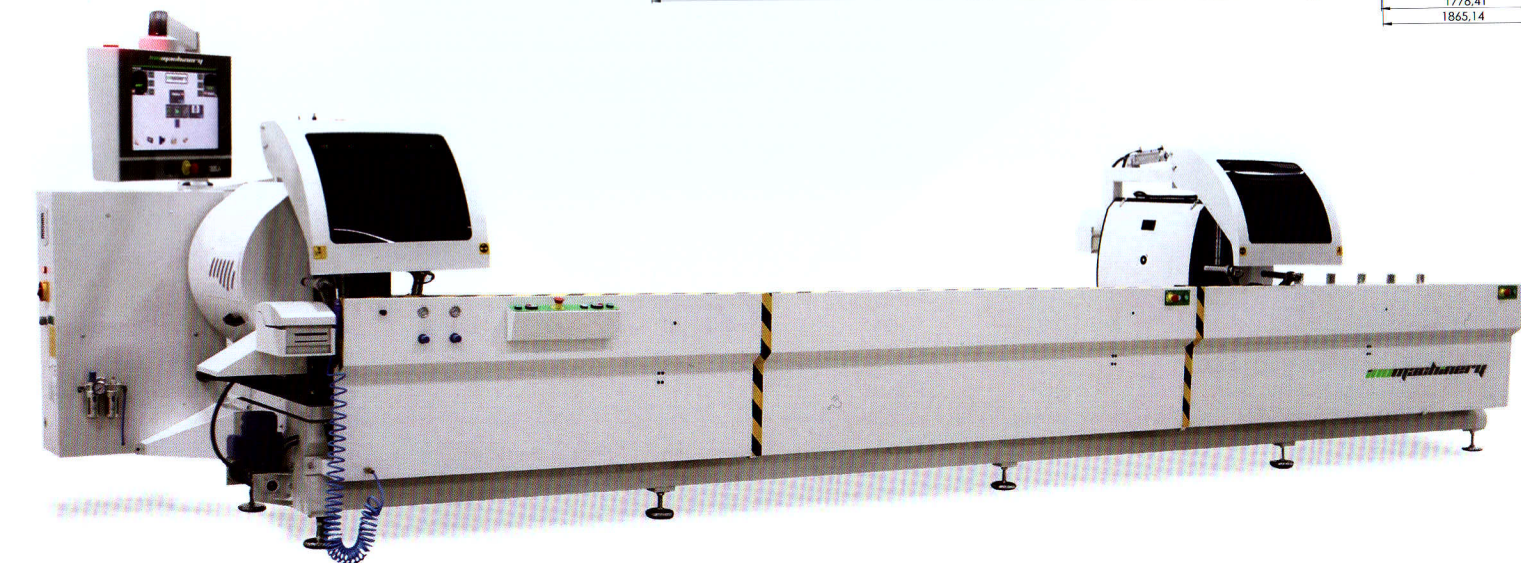
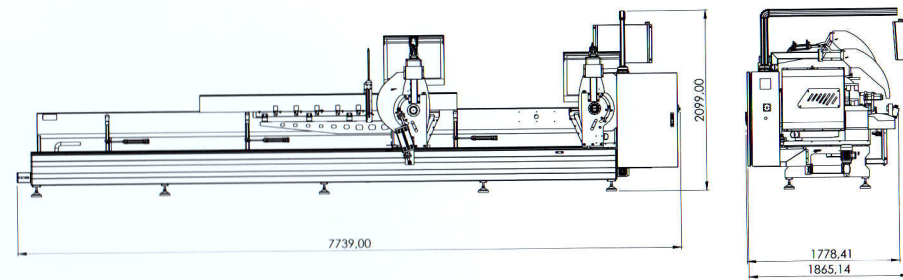


TESLA

DOUBLE MITRE SAW



OPTIONAL EQUIPMENT

Tilting both heads inside 45° to outside 22,5° all inbetween degrees automatic through servo motors and a 3 Axis CNC controller.

Data transfer package for working together with window production softwares. Import data, 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, for cutting different angles with different measurements automatically through a program that the operator can write using the control panel. The moving head feeds the profile bar and the stationary head cuts.

Pneumatic supports mounted along the machine; turning on/off automatically controlled by the PLC, according to the size of the profile with a protection hood.

Protection hood placed in front of the head, that has extra emergency & clam buttons on.

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

Extended cut, for cutting profiles longer than the length of the machine.

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.



MACHINE DESCRIPTION

Automatic double mitre saw customized for aluminium profiles. The 600 mm. sawblades maintain a perfect capability for the user to cut large section aluminium profiles with a perfect precision and cut clearance both in architectural and industrial segment. 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-LED Screen + Intel i3 PC with 8GB RAM 500GB HDD.

Movable head is moving on crack mill with brushless servo motor and reducer through linear guides. Hydro-Pneumatic feeding of the cutting saws. Pulse spray mist coolant system.

The saw-feed mechanism is moving with a cross-section way following a bow type path to clamp the profile better, to maintain the perfect cut surface and also protect the sawblade's lifetime. Cutting heads tilting inside 45° outside 135° and 90° pneumatically through a cylinder and inbetween angles are adjusted manually. Optional angular movement with additional servo axes between 22,5 - 135 degrees.

- Sawblade Diameter : 600 mm. / 3.0 kW 2.800 rpm motors.
- Maximum cutting width : 222 mm.
- Maximum cutting height : 325 mm.
- Minimum cut in 45° tilted inside : 779 mm.
- Minimum cut in 45° tilted inside with pneumatic feed option : 579 mm.
- Minimum cut in 45° with short piece support : 320 mm.
- Minimum cut from 22,5° to 90° tilted outside : 620 mm.

Optional "Mixed-cut" is for cutting profiles into 45 degrees automatically in any size.

Total installed power : 10 kW / 20A / 400 V / 50-60 Hz. / 3Phase

Air pressure and air consumption : 6-8 Bar. - 80 L/min.

Protection covers moving up and down automatically.

2 pieces of horizontal and 1 piece vertical clamping pistons for each head.

Roller conveyor connected on the movable head.

Colored cables inside the electrical cabinet.

CE Certificate / Users' manual - English Language.

