



OMRM 133 PRO

Automatic Double Head Aluminium Cutting Machine

- The crack mill basis + the linear guides basis are machined, the crack mill and the linear guides connection holes are drilled&tapped with 5 Axis Metal Processing Center.
- Electrostatic Powder Coated Painting for all of the machine.
- Sawblade diameter 600 mm.
- Cutting heads tilting 90 degrees and 45 degrees outwards OR inwards pneumatically through a cylinder and in-between angles are adjusted manually.
- Minimum cutting length of the bottom part of the profile when the heads tilt 45 degrees outwards: 630 mm.
- Cutting width in 45 degrees: 222 mm.
- Cutting Height in 90 degrees: 325 mm.
- PLC Controller
- Movable head is moving on crack mill + linear guides with brushless servo motor.
- The height of the cut profile will be entered to the controller for the calculation of the cut size.
- Cutting list read up to 99999 profiles.
- 3,0 kW (4 Hp) 2.800 rpm motors
- Protection covers moving up and down automatically
- 2 pieces of horizontal and 1 piece vertical clamping pistons for each head.
- Hydro-Pneumatic cylinder modification for the saw feed + Pulse spray mist coolant.

-Roller conveyor system mounted beside the movable head.

-Colored cables inside the electrical cabinet.

OPTIONAL EQUIPMENT;

-Repetitive cut in fixed 90 degrees with Variable or Fixed length.

-Reduced cut with pneumatic stopper.

-Automatic Extended Cut.

-Intermediate support pneumatic cylinders of 2.000 mm.

-And the protection shield with 2 sets of buttons.

-Dust trays under the machine. Complete set.

-Label Printer.

-Data transfer package for working together with ORGADATA. Importing data from LOGIKAL, barcode printing and transferring data to the CNC profile machining center through the barcode. (without the label printer)

-Automatic tilting of the heads from 22.5 to 135 degrees through servo motors and the upgraded 3 Axis CNC controller.

-Automatic cutting in different sizes and different angels with automatic feeding mechanism.

Technical Specifications

-Power Supply: 380-400 V, 3 ph, 50-60 Hz

-Spindle speed : 2800 rpm

-Total KW : 6 kW

-Air pressure : 6-8 bar

-Air Consumption : 11 lt/min

-Machine Height : 1870 mm

-Machine Length : 7200 mm

-Machine Width : 1890 mm

-Machine Weight : 1450 kg

-Saw Outside Diameter : Ø600

-Inside Diameter of Saw : Ø30

-Saw Thickness : 4 mm

-Number of Teeth : 120 -132

-Machinable Minimum Profile Length : 630 mm

-Machinable Maximum Profile Length : 5000 mm