ino Machinery – AS 423 – Double Mitre Saw

Description:

- Double Mitre Saw customized for ALU profiles cutting in various length and degrees.
- Cuttin sawblade diameter: 500 mm.
- Cutting length is 4.000 mm. and with the software support it is possible up to 7.995 mm.
- Cutting degrees 45° outwards and 90° are automatic through pneumatic cylinder and all the rest in between degrees are adjusted manually by the operator.
- Roller conveyor connected to the movable head for supporting the profile.
- Motor power: 3.0 kW / 2.800 rpm. / 400 V
- N° 2 cutting unit guard pneumatically controlled
- Air consumption: 25 Nl/min. İn 6.5 bars.

Electrical Features:

- Movable head is moving on crack mill + linear guides with brushless servo motor 750W + Planetary Reducer 1:10 ratio.
- CNC Controller + 10.2" Touchpanel Embedded PC
- Cutting list read up to 99999 profiles. Reading files in .csv format and producing barcode.
- Data transfer via LAN cable or USB.

Cutting sizes:

- As the heads are tilting outwards, the profile height should be entered to the computer to get the right measurement.
- For measuring the height of the profile there is an "automatic height measurement system" that can be added optionally.
- Minimum cutting length with both heads cuting at the same time, with 50 mm of profile height, when the heads tilt 45 degrees outwards: 320 mm.
- Minimum cutting width with short piece stopper: 235 mm.
- Cutting width in 45 degrees: 130 mm.
- Cutting Height in 90 degrees: 380 mm.
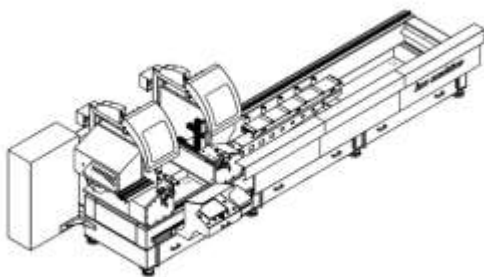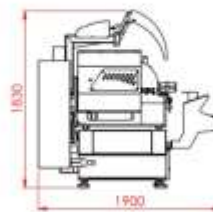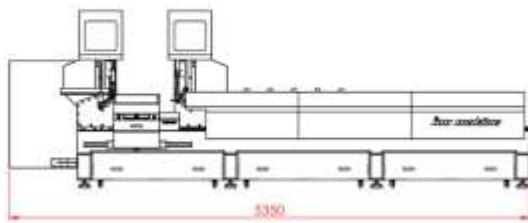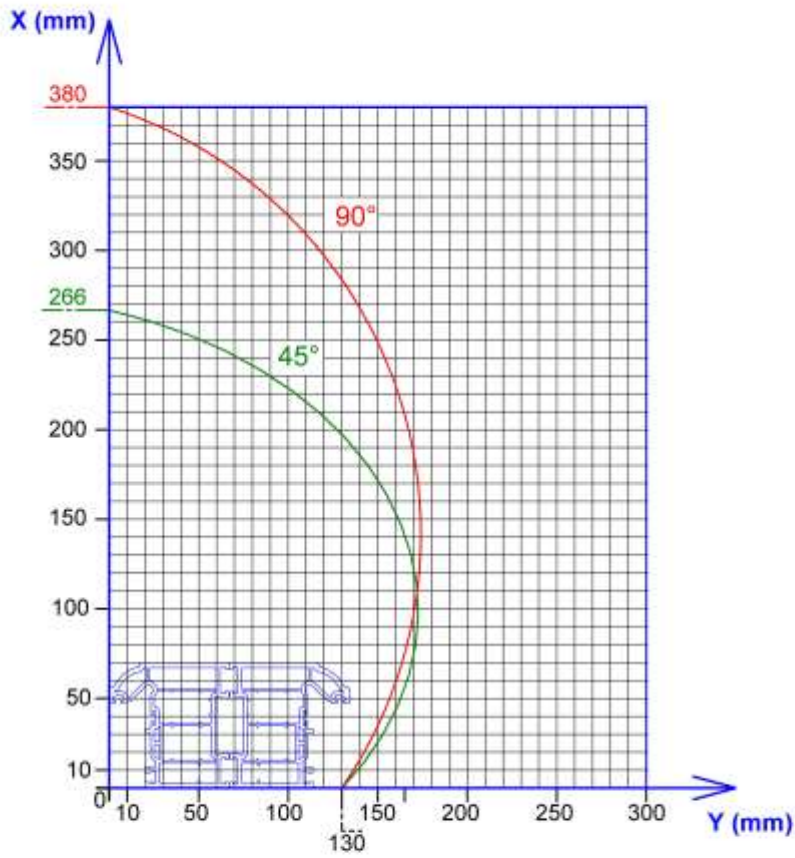- The cutting diagram is shown below at the bottom page.

Standard Accessories:

- N° 2 carbide blade Ø 500 mm with hardmetal inserts for aluminium.
- Horizontal pneumatic clamps 2 for each head. In total 4 pieces.
- Extraction outlets, outside Ø 80 mm
- Air-gun complete with hose
- User's and maintenance manual and spare parts catalogue
- Service keys

Optional Accessories:

- Aluminium profile cutting with Hydro-Pneumatic cylinder + Pulse spray mist coolant.
- Automatic profile height measuremenet system.
- Data transfer from window production software via USB or LAN cable.
- Data transfer from window production software via Wi-Fi.
- Label printer.
- Automatic short cut stopper controlled via PLC
- Automatic Arrow cut stopper for the UK market controlled via PLC
- Vertical clapms 1 for each head. In total 2 pieces.
- Dust Extractor and the piping accessories.
- Intermediate support pneumatic cylinders controlled by the PLC, at 2.000 mm. 4.000 mm. And the protection shield with 2 sets of buttons. 1 button for emergency stop and the other button is for controlling the pneumatic clamps.

X (mm)

380
350
300
266
250
200
150
100
50
10

90°
45°

0
10   50   100   130   150   200   250   300

Y (mm)

5350

1630

1900

1700 KG