



AL 220/80

Aluminium Machining Centre

- All sawing, milling, drilling and marking operations on aluminium profiles are gathered in one machine controlled by a computer
- Automatic oil dispenser
- Stacking of 7 profiles (max 6.5m length) – profile width dependent
- Servo driven automatic cutting of all angles between 45° and 135°
- Pop up roller to avoid profile marking during transportation
- Heavy duty routing motor for long life operation
- Able to work in high speed and precision thanks to 8 axis controlled by servo motors
- Automatic conveyor belt system to transport scrap profile to the waste container
- Opens barrel, mirror and handle holes at door profiles simultaneously to increase the production speed by using 1 extra servo motor
- Able to perform all operations precisely by the 12 tools on the milling group
- 15" touch screen monitor
- Industrial PC and Windows 10 operating system, which works between 0°C and 55°C without the need for a fan
- Ability to work with data from different window production software ensuring minimum wastage
- All errors can be seen on the screen with interface programme developed by Murat Machine Software Development Department
- Problem identification, solution and servicing by means of remote connections
- Data transfer is available via network and connection or USB storage
- Ability to back-up data on internal storage unit
- With shift monitoring system, all operations can be controlled daily, weekly, monthly and annually
- Central lubrication system to ease the machine maintenance
- Automatic horizontal-vertical positionable gripper
- Able to perform opening, drilling and milling operations of angled water drainage channel



- Operating system takes maximum safety measures against virus spreading and user errors, by cleaning unnecessary processes of last log in, automatically at every opening and closing of the machine
- Servo controlled cutting saws can be positioned automatically according to the height of the profile and are able to make fast and rigid cutting
- 0°-360° rotatable servo controlled gripper
- Able to perform all operations sensitively with 12 tool set in the milling group

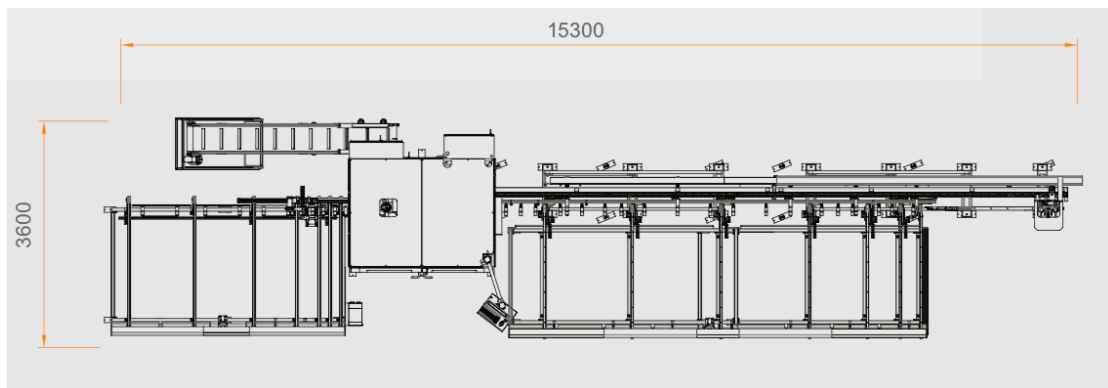
Technical Features

- Power supply: 400V, 3ph, 50-60Hz
- Power output: 20kW, 45A
- Air consumption 750 l/min
- Max profile height: 185mm
- Profile processing height 35mm
- Min profile height: 35mm
- Max profile width: 225mm
- Air pressure 6-8bar
- Max raw profile length 6,500mm
- Min raw profile length 1,000mm
- Max profile processing length 4,000mm
- Min profile processing length 350mm
- Machine height: 2,500mm
- Machine length: 15,300mm
- Machine width: 3,600mm
- Machine weight: 5,700kg
- Saw blade diameter 600mm

Optional

AL 001 – Camprox Software Programme

AL 002 – Screw-driving unit





Cutting Diagram

