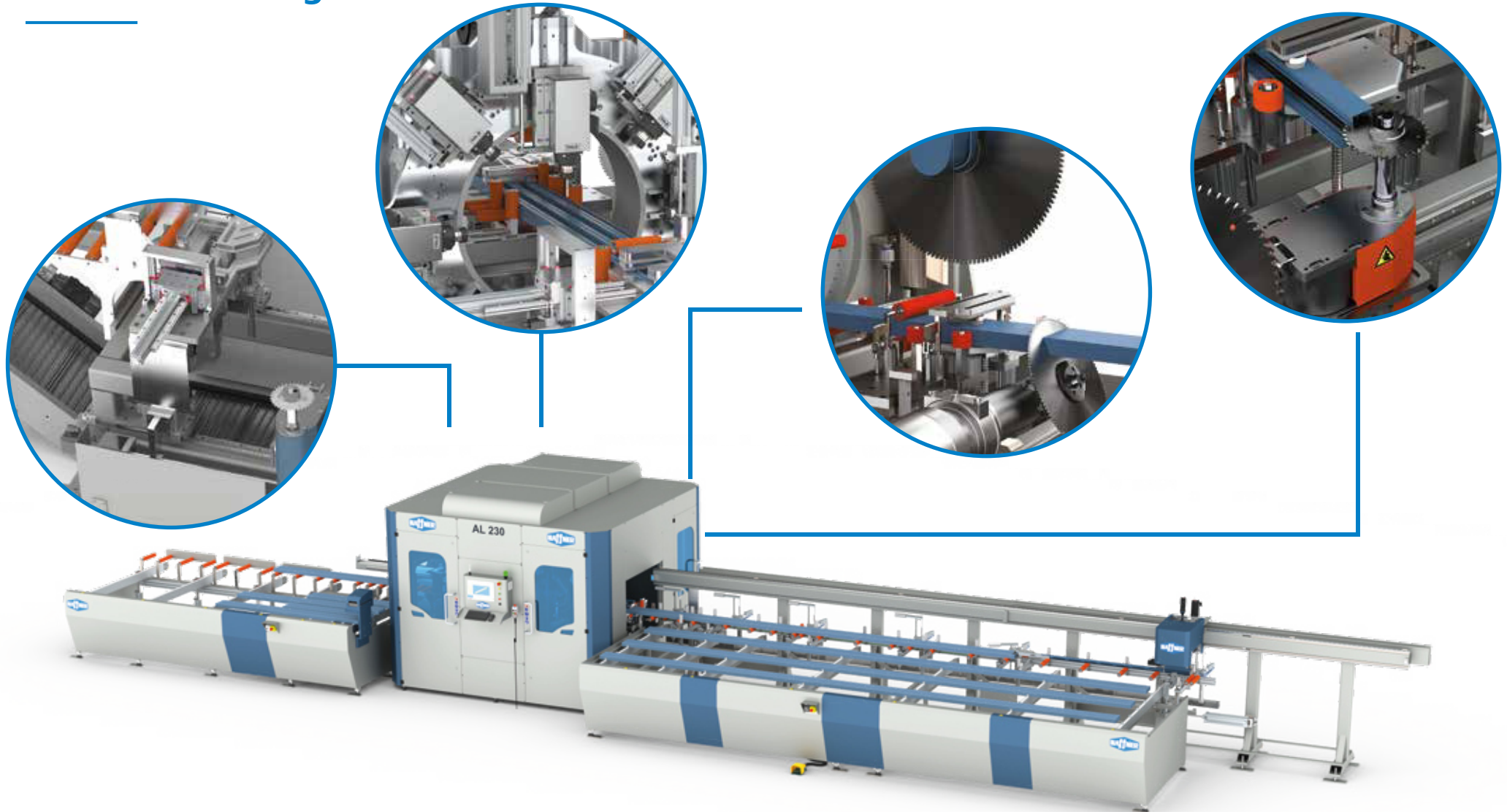
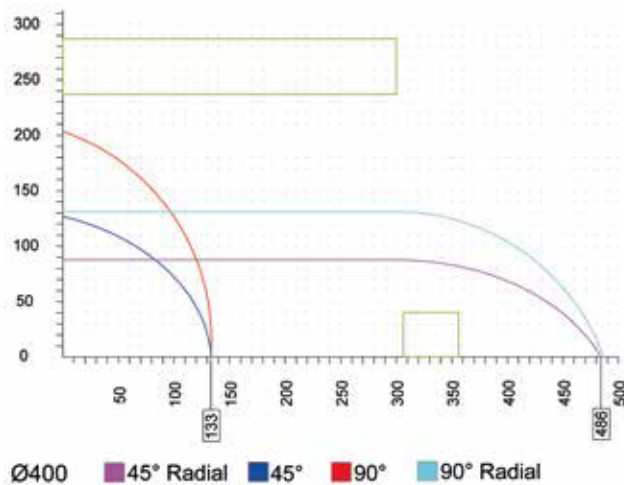


AL-230 Profile Machining Center



AL-230

Profile Machining Center



Cutting Unit :

- Vertical Cutting Saw Blade Diameter: 600 mm (23.62 in.)
- Horizontal Cutting Saw Blade Diameter: 400 mm (15.74 in.)
- Saw Blade Speed: 3000 Rpm.
- X-Axis Travel (Vertical Saw): 425 mm (16.73 in.)
- Y-Axis Travel (Vertical Saw): 950 mm (37.40 in.)
- Z-Axis Travel (Vertical Saw): 600 mm (23.62 in.)
- Y-Axis Travel (Horizontal Saw): 880 mm (34.64 in.)
- Z-Axis Travel (Horizontal Saw): 300 mm (11.81 in.)
- Maximum Profile Width: 300 mm (11.81 in.)
- Maximum Profile Height: 230 mm (9.05 in.)
- Minimum Profile Width: 30 mm (1.18 in.)
- Minimum Profile Height: 30 mm (1.18 in.)
- Maximum Bar Length: 7500 mm (24.60 ft.)
- Minimum Bar Length: 1200 mm (47.24 in.)
- Bar Loading System (pcs.): 7
- Angle Range of Vertical Cutting-off Machine: -60° to +240°
- Angle Range of Horizontal Cutting-off Machine: 45° to 135°
- Blade Motor Power of Vertical Cutting-off Machine: 3kw (4.02 hp.)
- Blade Motor Power of Horizontal Cutting-off Machine: 1.5 kw (2.01 hp.)
- Maximum Profile Length: 7500 mm (24.60 ft.)
- Minimum Profile Length: 300 mm (11.81 in. at 90°)
- Machine Length: 18360 mm (60.23 ft.)
- Machine Width: 4160 mm (13.65 ft.)
- Machine Height: 2750 mm (9.02 ft.)
- Machine Weight: 9500 kg (20943.91 lbs.)

Milling Unit:

- X-Axis Travel: 425 mm (16.73 in.)
- Y-Axis Travel: 470 mm (18.50 in.)
- Z-Axis Travel: 325 mm (12.79 in.)
- C-Axis Travel (Rotary Base Rotation): 0° - 315°
- Number of Spindle Motors: 8
- Maximum Spindle Power in S1: 4.5 kW (6.03 hp.)
- Maximum Spindle Speed: 18000 rpm
- Tool Connection: ER 32
- Saw Blade Speed: 3000 Rpm.



9500 kg



6-8 Bar



30kW 60A



H: 230mm W: 300mm L: 7500mm

- Milling Unit;** 315 ° rotating milling group used in the AL 230 Profile Processing Center performs all operations on the profile with maximum precision with 8 standard spindles with 4.5kW motor power. Thanks to the rotatable milling group, it is possible to open a drain slot and perform drilling and milling operations in maximum flexibility with special router bits. Able to perform all operations sensitively with 8 tool set being standard in the rotary milling group.
- Cutting Unit;** consists of 600 mm (23.62 in.) vertical saw works in all angles between -60° and +240° and 400 mm (15.75 in.) horizontal saw working in all angles between 45° and 135° in 0.1° increments, with servo control.
- All cutting, notching, milling, drilling and marking operations on the aluminum profiles have been pieced together in a single, computer controlled machine.
- 7 Profile stacking capability. (Maximum profile length: 7500 mm (24.60 ft))
- Able to work with high speed and sensitivity thanks to 15 axes controlled by servo motors.
- 0°-360° rotatable servo controlled gripper.
- Able to perform opening, drilling and milling operations of angled water drainage channels.
- Able to carry remaining waste parts to the waste chamber with an automatic conveyor system.
- 15.6" Industrial multi-touch panel.
- High performance industrial PC having Windows 10 operating system and working between 0°C - 55°C (32°F - 131°F) without an additional fan.
- Working with production data coming from different window production software by giving minimum waste.
- All error messages can be monitored from the screen by the machinery software department.
- Able to provide service with remote connection method and troubleshooting by connecting to the whole automation system.
- Operating system ensures maximum safety measures against virus spreading and user errors by cleaning unnecessary processes of the last login automatically at every opening/closing of the machine.
- Remote network connection or data transfer via USB.
- Possibility to perform daily backup operation to internal back up unit automatically.
- Daily, weekly, monthly and annually production control with shift control system.
- Central lubricating system that facilitates the machine maintenance.

OPTIONAL

- Servo controlled 3-Axis end milling unit.

