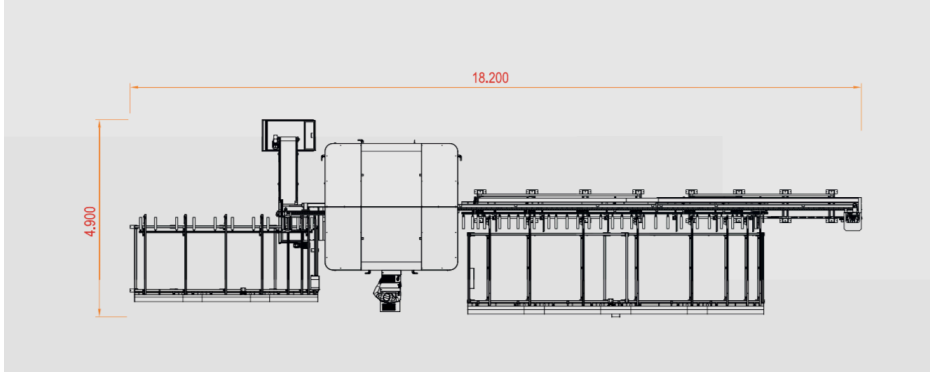


## **AL 230**

### **Aluminium Machining Centre**

- All cutting, notching, drilling and marking operations on the aluminium profiles have been pieced together in a single as computer controlled 7 profile stacking possibility (max 7.5m length)
- Servo driven 600mm diameter vertical saw blade for 360° cutting
- Servo driven 400mm diameter horizontal saw blade to make automatic cutting at all angles between 45° and 135°
- Able to work with high speed and sensitivity thanks to 15 axis controlled by servo motors
- 0° - 360° rotatable servo controlled gripper
- Able to perform opening, drilling and milling operations of angled water drainage channel
- Feature able to carry remaining waste parts to the waste chamber with automatic conveyor system
- Able to perform all operations sensitively with 8 tool set being standard in the rotary milling group
- 15.6" large touch screen
- High performance industrial PC having Windows 10 operating system and working between 0°C and 55°C without fan
- Working with production data coming from different window production software by giving minimum waste
- Able to see all error messages on the screen with interface program developed by Murat Machine Software Department
- Able to provide service with remote connection method and troubleshooting by connecting to whole automation system
- Operating system ensures taking of maximum safety measures against virus spreading and user errors by cleaning unnecessary processes of last log in automatically at every opening-closing of the machine
- Remote network connection or data transfer possibility via USB
- Possibility to perform daily back up operation to internal back up unit automatically
- Daily, weekly and annually production control with shift control system



### Technical Features Cutting Unit

- Diameter of vertical cutting saw blade 600mm
- Diameter of horizontal cutting saw blade 400mm
- X Axis travel (vertical saw) 425mm
- Y Axis travel (vertical saw) 950mm
- Z Axis travel (vertical saw) 600mm
- Y Axis travel (horizontal saw) 880mm
- Z Axis Travel (horizontal saw) 300mm
- Max profile width 300mm
- Max profile height 230mm
- Min profile width 30mm
- Min profile height 30mm
- Max bar length 7500mm
- Min bar length 1200mm
- Bar loading system 7 pcs
- Machine length 18,200mm
- Machine width 4900mm
- Machine height 2730mm
- Machine weight 8500kg
- Angle of Vertical Cutting off machine 0° to 360°
- Angle of Horizontal Cutting off machine 45° to + 135°
- Power of Vertical Cutting off machine 3ph blade motor 3kW
- Power of Horizontal Cutting off machine 3ph blade motor 1.5kW



### Technical Features Milling Unit

- X Axis travel 425mm
- Y Axis travel 470mm
- Z Axis travel 325mm
- C Axis travel (rotary base rotation) 0° + 315°
- Number of spindle motors 8
- Max power in S1 4.5kW
- Max speed 18000rpm
- Tool connector ER 32

### Optional

Servo controlled 3 axis end milling unit

