



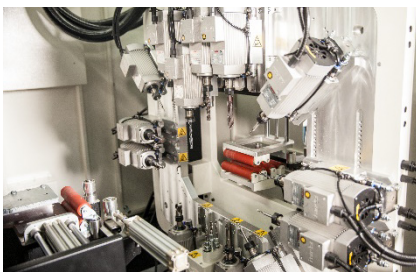
ALCOR – II R

CNC Profile Machining and Cutting Center (8 Servo Axis and 14 Machining Axis for PVC)

Automation by
FANUC



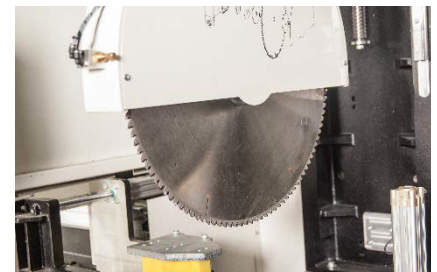
The 8-servo axis CNC profile machining and cutting center ALCOR – II R has been developed to carry out all – in one cutting, milling drain channel opening, punching, and marking operations on PVC profiles. Thanks to its 14 standard machining and individual operating units, ALCOR – II R has been designed to offer maximum efficiency in less time.



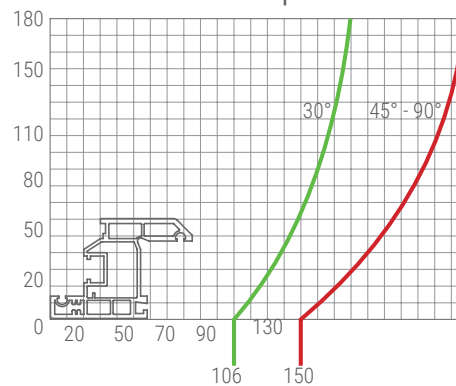
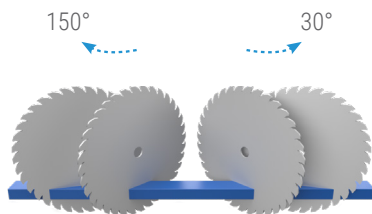
Equipped with a high performance powertrain featuring 13 standard individually cooled spindle motors, a dedicated slot opening motor, and a separate saw blade motor, the ALCOR II R delivers unparalleled multitasking capabilities, enabling simultaneous execution of 15 operations and unrestricted processing across all four profile surfaces.



Equipped with a 10-profile feed conveyor, ALCOR - II R leverages batch processing technology for enhanced operational efficiency



Unlock a vast array of cutting possibilities with the unit's 550mm diameter saw blade, capable of tackling any angle between 30° and 150°. This expansive cutting range empowers users to maximize their creative and production potential.

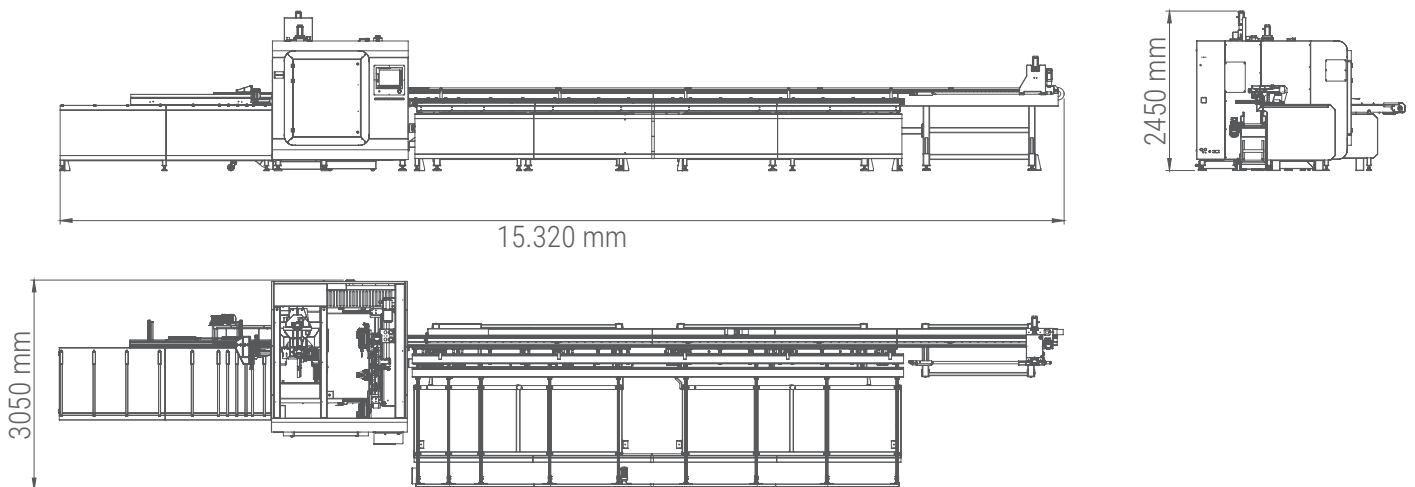
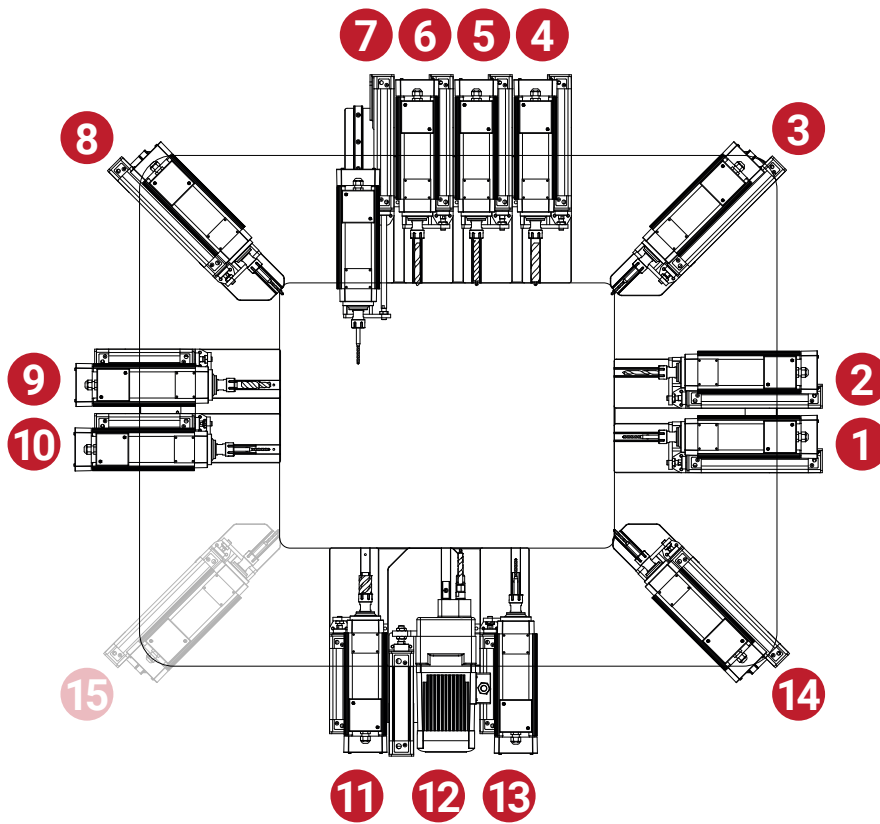


ALCOR – II R

CNC Profile Machining and Cutting Center (8 Servo Axis and 14 Machining Axis for PVC)

CONFIGURABLE SPINDLES

- 13 Standard air cooled high speed spindle motors.
- Standard Triple Slot Drilling motor.
- Optional 14th spindle.
- All motors configurable before shipping at the factory.



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POSITIONING SPEED

| | |
|--|----------|
| X1 Axis (Longitudinal) | 40 m/min |
| Y1 Axis (Lateral) | 60 m/min |
| Z1 Axis (Vertical) | 60 m/min |
| Z2 Axis (Cutting unit vertical movement) | 42 m/min |
| C2 Axis (Cutting unit rotation) | 166°/sec |
| XL Axis (Drive robot) | 90 m/min |

AIR

| | |
|----------|---------|
| Pressure | 6-8 Bar |
|----------|---------|

ELECTRICAL

| | |
|------------|---------------|
| Max. Power | 50.45 kW |
| Voltage | 400V 3N PE AC |
| Frequency | 50-60 Hz |

CUTTING UNIT

| | |
|-----------------------|------------|
| Cutting angles span | 30° / 150° |
| Saw blade diameter | 550 mm |
| Saw blade motor power | 3kW - 4HP |

MILLING UNIT

| | |
|--|-----------------------|
| Fan cooling spindles | 13 |
| Max. Power | 1.1 kW |
| Maximum speed | 18.000 rpm |
| Tool holder | ER 20 |
| Special design motor for 3ple grip slot drilling | 1 |
| Max. Power / speed | 0.55 kW / 1400 rpm |
| Drill diameters | 10 mm / 12 mm / 10 mm |
| Maximum number of machining units | 14 |

LOADING AND UNLOADING UNIT

| | |
|--|---------|
| Minimum profile loading length | 1200 mm |
| Maximum profile loading length | 7500 mm |
| Minimum profile unloading length (90° - 90°) | 270 mm |
| Profile loading capacity | 10 |
| Automatic chip discharge conveyor unit | ● |
| Belt-driven profile discharge unit | ○ |

GRIPPER AXIS TRAVEL

| | |
|--------------------------------|----------------|
| YL Axis (Lateral) min. / max. | 20 mm / 117 mm |
| ZL Axis (Vertical) min. / max. | 20 mm / 115 mm |

CONTROL UNIT

| | |
|--|-----|
| Industrial PC - Touch Screen | 15" |
| Data transfer over remote network connection, Ethernet and USB | ● |
| Barcode writer | ● |
| Compatibility with optimization programs | ● |

OPERATIONAL AREA

| | |
|---|---|
| Automatic lubrication in processing area | ● |
| Cabinet providing protection in processing zone | ● |
| FESTO pneumatic system | ○ |

● Standard ○ Optional