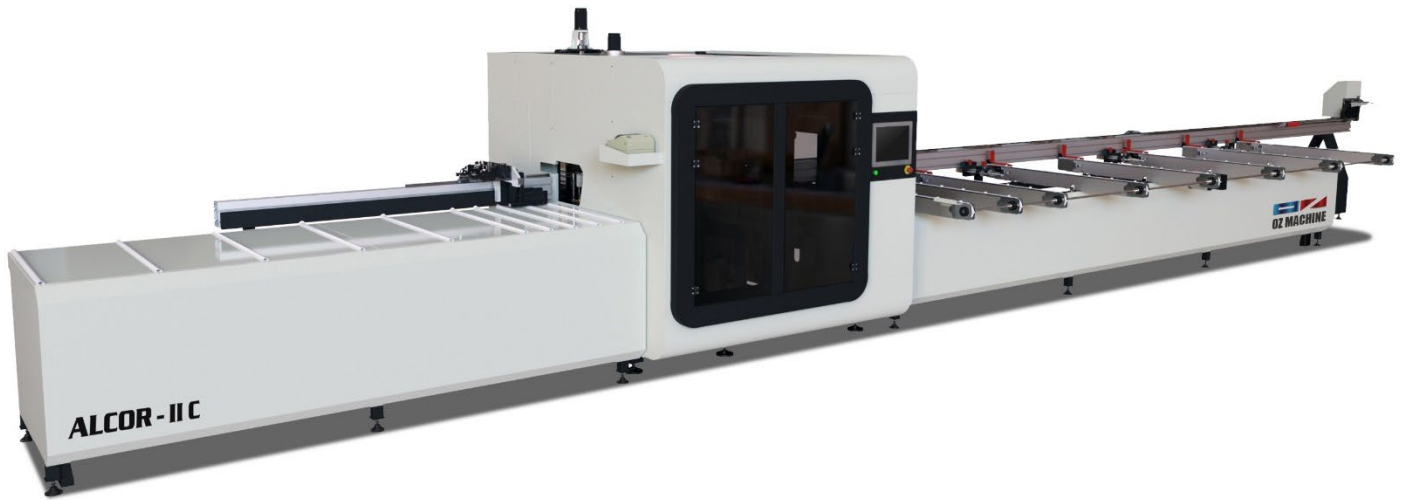


# ALCOR – II C

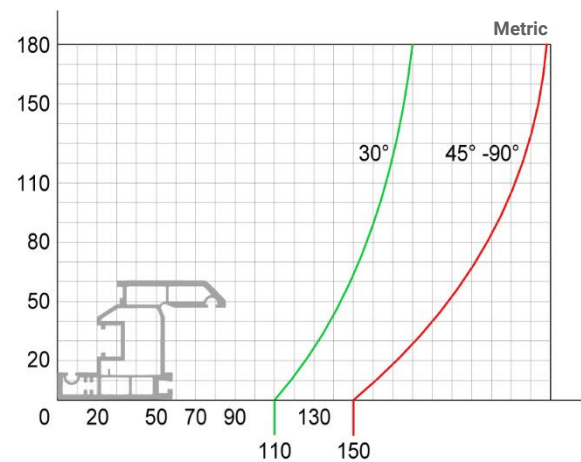
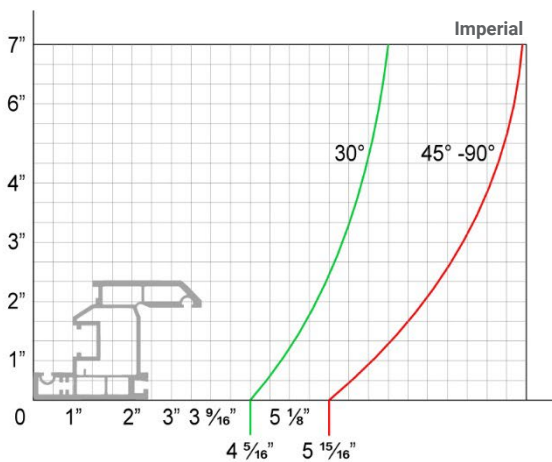
CNC Controlled Profile Machining and Cutting Center (10 Axis)



## FEATURES

The 10-axis CNC profile machining and cutting center ALCOR - II C has been developed to carry out all-in-one cutting, milling, drain channel opening, punching and marking operations on profiles, and to perform special non-standard operations (punching, channel opening etc.) on different profiles. Thanks to its individually operating units, ALCOR - II C has been designed to offer maximum efficiency in less time.

## Cutting Diagrams



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### AXIS TRAVEL

X Axis (Longitudinal)	min 11" (270mm) / max 118" (3000mm)
Y Axis (Lateral)	min 1 3/16" (30mm) / max 6" (150mm)
Z Axis (Vertical)	min 1 3/16" (30mm) / max 7" (180mm)
SR Axis (Drive robot)	min 47" (1200mm) / max 256" (6500mm)
TZ Axis (Cutting unit vertical movement)	10 5/8" (270mm)
TA Axis (Cutting unit rotation)	122°
GrY Axis (Gripper lateral)	4 5/8" (117mm)
GrZ Axis (Gripper vertical)	4 1/2" (115mm)
A1 Axis (Upper spindle movement)	112°
A2 Axis (Frontal spindle movement)	157°

### POSITIONING SPEED

X Axis (Longitudinal)	2500" (64m) / min
Y Axis (Lateral)	2500" (64m) / min
Z Axis (Vertical)	1570" (40m) / min
TZ Axis (Cutting unit vertical movement)	900" (23m) / min
TA Axis (Cutting unit rotation)	48° / sn
SR Axis (Drive robot)	5112" (130m) / min

### CUTTING UNIT

Cutting angles span	30° / 150°
Saw blade diameter	21 5/8" (550mm)
Max. profile cutting dimensions at 90° (width / height)	5 15/16" (150mm) / 7 1/16" (180mm)
Saw blade motor power	3kW - 4HP

### MILLING UNIT

Upper spindle rotation	0° / 45°
Frontal spindle rotation	45° / 135°
Fan cooling spindles	7
Maximum power	3 kW
Maximum speed	18000 rpm
Tool holder	ER 20
Maximum number of machining units	7

### LOADING AND UNLOADING UNIT

Minimum profile loading length	47" (1200mm)
Maximum profile loading length	255.9" (650mm)
Minimum profile unloading length	10 5/8" (270mm)
Profile loading capacity	10
Automatic chip discharge conveyor unit	•

### GRIPPER AXES TRAVEL

GrY Axis (Lateral) min. / max.	13/16" (20mm) / 4 5/8" (117mm)
GrZ Axis (Vertical) min. / max.	13/16" (20mm) / 4 1/2" (115mm)

### CONTROL UNIT

Industrial PC - Touchscreen	15"
Remote access	•
Data transfer via remote network connection, Ethernet and USB	•
Barcode writer	•
Compatible with optimized cutting and machining list data	•
Compatibility with CAM programs	○

### OPERATIONAL AREA

Automatic clamp positioning on X-axis	•
Automatic lubrication in processing area	•
Guard cabin for machining area	•

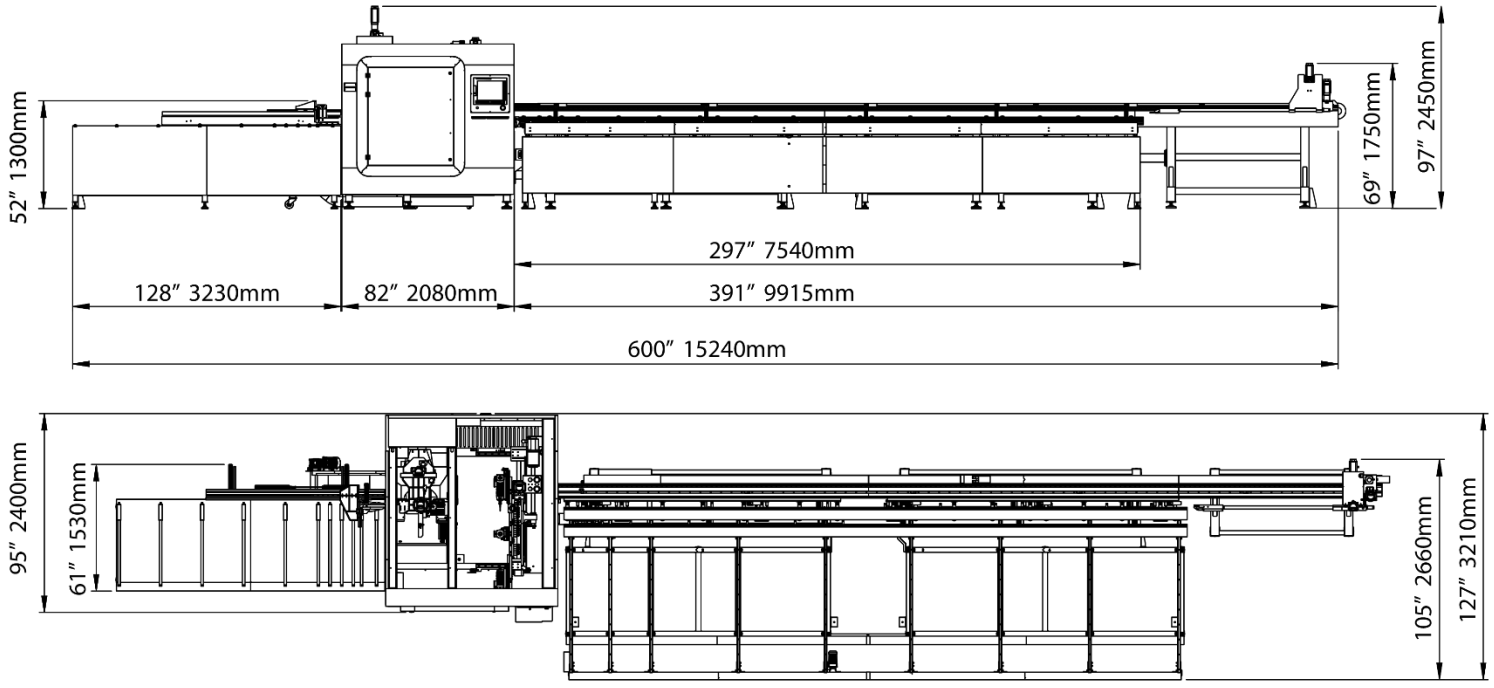
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## Floor Plans



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