

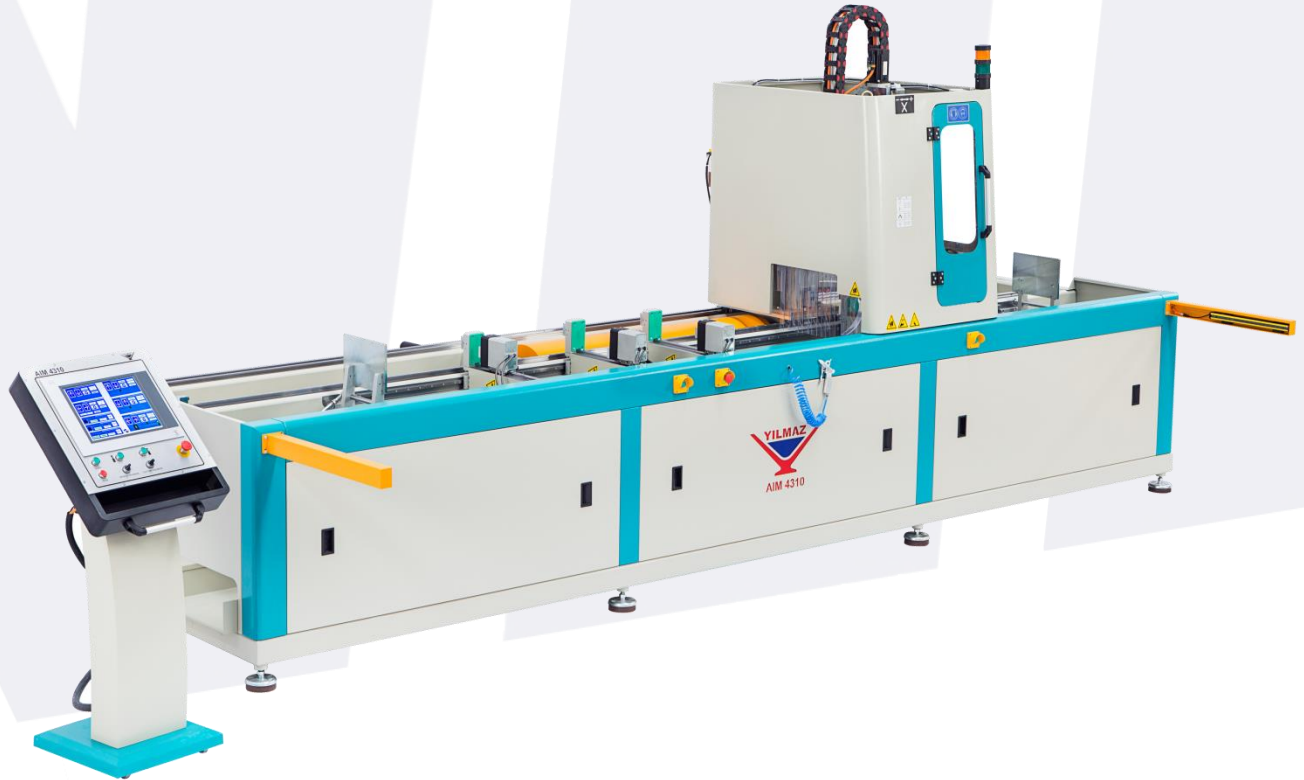
# PROSAW

Supplying the World's Finest Machines to UK industry since 1963



## 3-Axis Aluminium Profile Processing Centre

# AIM 4310



### FEATURES

- The AIM 4310 is 3-axis CNC-controlled machining centre, designed for working on all kinds of aluminium & PVC profiles, light alloys and thin walled steel profiles.
- By means of additional aggregate tools, various profiles can be machined with 4-axis movement.
- The machine has automatic clamp positioning and is equipped with a magazine unit holding 8 tools and the possibility of adding 2 aggregate tools and 1 milling saw.

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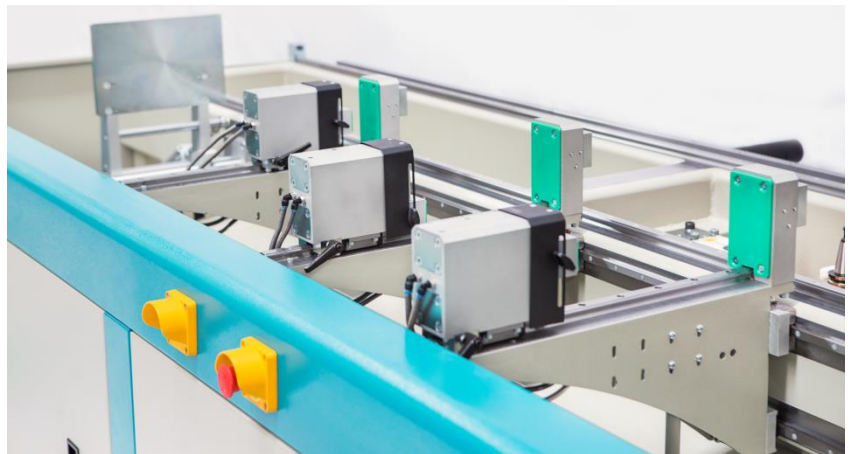
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## MAIN SPECIFICATION

- Designed for all kinds of drilling, grooving, notching, tapping etc. on aluminium profiles
- The AIM4310 is supplied with an 8 tool magazine unit. In conjunction with the 180mm Ø saw blade and the possibility of placing 2 aggregate tools.
- B&R automation system enabling CNC movement on 3 axes
- Fast programming using 8 preset macros
- Program import via USB flash memory stick
- Technical support via remote connection capability
- Standard ISO 'G' code programming language
- PLC controlled misty coolant spray system with 3 outlets
- 4 x automatic clamps used for holding the work piece
- 2 x pneumatic rests used for resetting the work piece in the X direction
- 15" colour touch screen
- Special sound insulation cabinet around the machining centre
- Operator safety barrier
- LED lighting in the cabinet



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## TECHNICAL SPECIFICATION

### WORKING CAPACITY

X-axis (mm)	4000
Y-axis (mm)	350*
Z-axis (mm)	200

**\*200mm when using aggregate tool**

### SPINDLE

Max. Speed (rpm)	24000
Power (kW)	7.5
Spindle taper	ISO 30

### AUTOMATIC TOOL MAGAZINE

Tool capacity	8
Magazine type	In-line type
Max. saw blade diameter (mm)	180
Max. number of aggregate loadable in the tool magazine	2
Max. tool weight (kg)	3

### MACHINABLE FACES

With straight tool (top surface)	1
With blade tool (side faces and ends)	2+2
With aggregate tool (side faces and ends)	2+2

### FEEDRATE

Axis speed (m/min.)	X-axis:100 / Y-axis :31 / Z-axis :21
3-axis servo motors (kW)	X-axis:1.0 / Y-axis:0.4 / Z-axis: 0.4

### WORKPIECE CLAMPING

Standard number of vises	4
Max. number of the vises	6
Vice positioning through the X-axis	Automatic via AlphaCAM advance module

### GENERAL

Machine weight (kg)	1,870 - 2100
Net/Packing dimensions (mm)	5750 x 1750 x 2400
Air supply required (bar)	6
Voltage-Frequency	400V 3P - 50/60Hz
Total power (kW)	8