

SBZ 140

Profile Machining Center



- 4-axis profile machining center
- Designed for economical and efficient machining of aluminum and thin-walled steel profiles
- All operations, such as routing, drilling, and tapping are performed while the profile bar is stationary to protect the profile surfaces
- Machining with all tools at angles continuously adjustable from 0° to 180°
- The on-board tool magazine ensures that tool changing times are kept short, thereby optimizing working cycles
- The magazine can be equipped with 8 tools
- A rotating angle head with 2 different tools is available for double-bar and end machining (0° – 90° – 180° – 270°) (option)
- 2 separate working zones enable machining in shuttle operation (option)
- 4-axis controller
- 15" color display, USB ports and network connection
- Windows® operating system
- eluCam machining software
- One (1) year limited warranty

Technical specifications

- X-axis travelling range: 4,200 mm (approx. 13.7 ft.), 6,400 mm (approx. 20.9 ft.), 7,600 mm (approx. 24.9 ft.), or 9,700 mm (approx. 31.8 ft.) (additional lengths on request) at a maximum rate of 65 m/min (213.2 ft./min.)
- Y-axis travelling range: 850 mm (33.4 in.) at a maximum rate of 60 m/min (196 ft./min.)
- Z-axis travelling range: 650 mm (25.6 in.) at a maximum rate of 60 m/min (196 ft./min.)
- Pivoting angle (A-axis): 0° – 180°; freely programmable in 1/10° steps
- Spindle speed: 24,000 rpm max.
- Spindle power output: 8.5 kW (11.3 hp)
- Tool changer for 8 tools, additional tool positions on request
- Power supply: 240/480 V, 3 phase, 60 Hz (contact elumatec North America for other voltages)
- Compressed air supply: 7 bar (100 psi)
- Air consumption: approx. 180 l/min. (6.4 ft³/min.) with spray mist tool lubrication

SBZ 140 Dimensions

	4.2 m	6.4 m	7.6 m	9.7 m
Maximum processing length with profile end machining:	4,080 mm (160.6 in.)	6,280 mm (247.2 in.)	7,480 mm (294.4 in.)	9,580 mm (377.1 in.)
Maximum processing length without profile end machining:	4,200 mm (165.3 in.)	6,400 mm (251.9 in.)	7,600 mm (299.2 in.)	9,700 mm (381.8 in.)
Width:	7,865 mm (309.6 in.)	10,170 mm (400.4 in.)	11,400 mm (488.8 in.)	13,470 mm (530.3 in.)
Depth:	3,350 mm (131.9 in.)			
Height:	2,700 mm (106.3 in.)			
Weight:	4,200 kg (9,260 lb.)	4,500 kg (9,921 lb.)	4,900 kg (10,803 lb.)	5,900 kg (13,007 lb.)

Available options for the SBZ 140

- Automatic length measurement
- Clamping unit for double profile machining
- Chip conveyor belt
- Barcode scanner
- Stationary tool magazine
- Angle router heads
- Tool holders
- Collet chucks
- Collets
- Cutting Tools
- eluCad (office software package for optimized production management)
- Other options available: contact elumatec North America for details

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