



### **SBZ131**

#### Machining centres



- 3-axis profile machining centre
- Designed for economical and efficient machining of aluminium, steel and stainless steel profiles
- All operations, such as routing, drilling and tapping, are performed while the profile bar is stationary to protect the profile surfaces
- The on-board turret head ensures that tool changing times are kept very short, thereby optimizing machining cycles
- The turret head can be equipped with eight tools or four angle routing heads
- Autonomous clamp positioning enables clamp arrangement during secondary time
- 3-axis controller
- The tool spindle is designed as an additional axis
- Angle heads for lateral and profile end machining
- 18.5" panel PC, USB ports and network connection
- Windows operating system
- eluCam

#### **Machining lengths**

##### SBZ 131 - 4.2 m

- Max. machining length with profile end machining, 4,080 mm
- Max. machining length without profile end machining, 4,200 mm

##### SBZ 131 - 7.2 m

- Max. machining length with profile end machining, 7,080 mm
- Max. machining length without profile end machining, 7,200 mm

##### SBZ 131 - 8.5 m

- Max. machining length with profile end machining, 8,380 mm
- Max. machining length without profile end machining, 8,500 mm

##### SBZ 131 - 10.2 m

- Max. processing length with profile end machining, 10,080 mm
- Max. processing length without profile end machining, 10,200 mm

##### SBZ 131 - 11.5 m

- Max. machining length with profile end machining, 11,380 mm
- Max. machining length without profile end machining, 11,500 mm





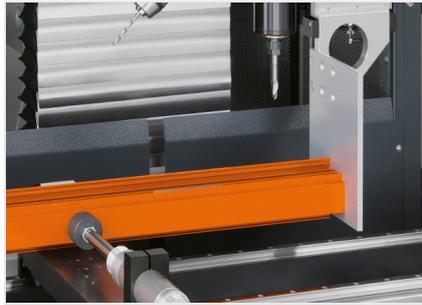
### Options

- Two separate working zones enable machining in shuttle operation. There is also a central laser scanner on the operator's side to protect the area for maximum safety.
- Cycling program with special clamping device and outfeed conveyor
- Automatic length measurement
- Angle routing heads
- High-speed spindle
- Slow spindle
- Saw head
- Clamping unit accommodates double profile machining
- Barcode scanner
- Tool holders
- Collet chucks
- Collets
- Tools
- eluCad (office software package for optimised production management)

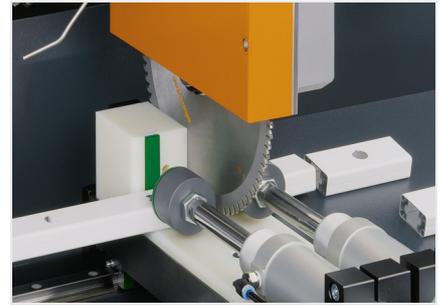


### Profile machining centre SBZ 131 eluCam

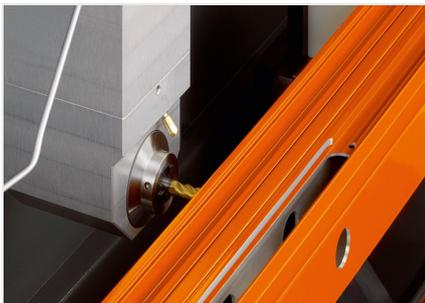
SBZ 131 + special accessories



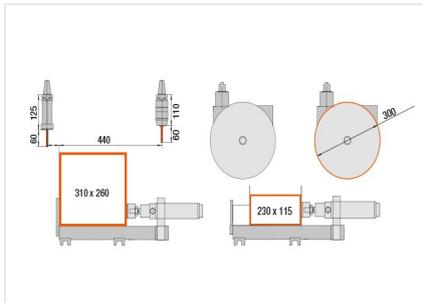
### Profile machining centre SBZ 131 eluCam



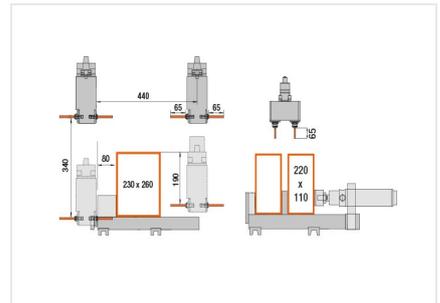
### Profile machining centre SBZ 131 eluCam



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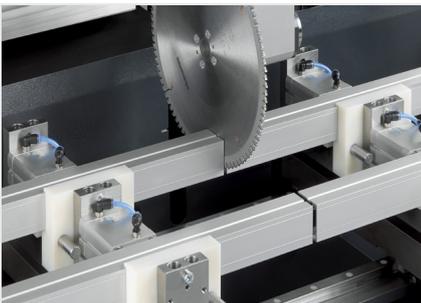
**a-Profile machining  
centre SBZ 131 eluCam**



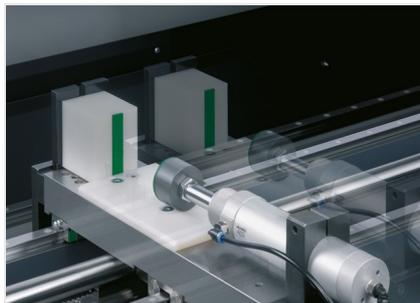
**Profile machining centre  
SBZ 131 eluCam**



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SBZ 131 eluCam**





### SBZ 131 / MACHINING CENTRES

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- Traverse path X-axis, 4,200 mm, 7,200 mm, 8,500 mm, 10,200 mm, 11,500 mm (additional lengths on request) Vmax. 60 m/min.
- Traverse path Y-axis, 485 mm, Vmax. 60 m/min.
- Traverse path Z-axis, 340 mm, Vmax. 60 m/min.
- Max. spindle speed 6,000 rpm, 18,000 rpm with high-speed spindle
- Autonomous clamp positioning with 700 mm of travel
- Spindle power output 5.5 kW
- Tool changer for eight tools on a turret head
- Compressed air supply 7 bar
- Power supply 400 V, 3~, 50 Hz, 63 A
- Air consumption per minute 100 l with spraying