

# LIST OF MACHINES

## CNC MILLS

BWB mills high-precision aluminium components at the Stans-Oberdorf site.

With modern CNC machining centres, our team offers our customers the highest quality and delivery reliability. We use the surface know-how of BWB Surface Technology to ensure surface quality and to procure suitable aluminium alloys.

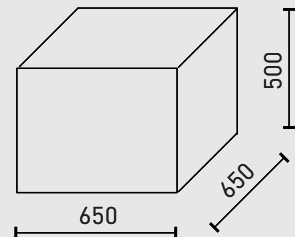
We supply our customers with quality-tested, ready-to-install aluminium components including complete process documentation.

### Hermle C32 U



- 5-axis machining centre
- Simultaneous machining
- Zero point clamping system
- Vacuum machining
- Loading robot RS2
- Tool magazine ZM192
- Spindle speed: 25'000 rpm

Maximum component size:  
650 x 650 x 500 mm

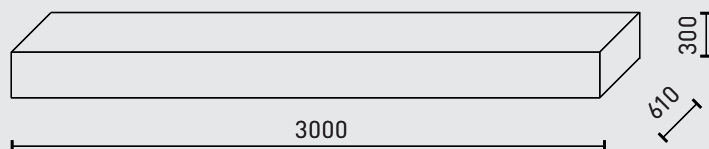


### Chiron Mill 3000



- 5-axis machining centre
- Simultaneous machining
- Weighing plate with hydraulic and vacuum clamping
- Vacuum machining: 2500 x 600 x 300 mm
- Vise machining: 3000 x 610 x 200 mm
- Spindle speed: 20'000 rpm

Maximum component size:  
3000 x 610 x 300 mm



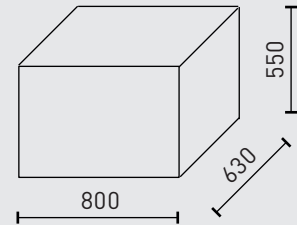
## Chiron Mill FX 800



5-axis machining centre

- Simultaneous machining
- Zero point clamping system
- Vacuum machining
- Rotary table D=600 mm
- Spindle speed: 20'000 rpm

Maximum component size:  
800 x 630 x 550 mm



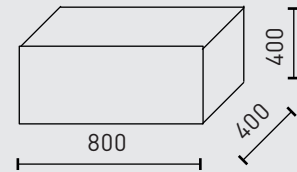
## Fehlmann Picomax 56L



3-axis machining centre

- Zero point clamping system
- Fully digital CNC Heidenhain control TNC 620
- Spindle speed: 12'000 rpm
- Ideal for single parts and prototypes

Maximum component size:  
800 x 400 x 400 mm



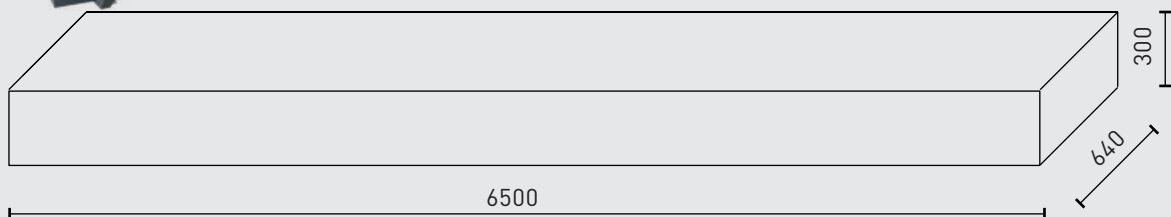
## Tekna TK441



4-axis profile machining centre

- Minimum quantity lubrication
- Angular head
- Spindle speed: 18'000 rpm

Maximum component size: 6500 x 640 x 300 mm



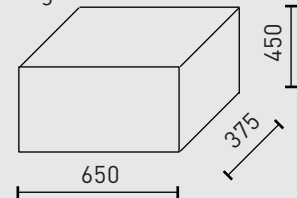
## Trumpf TruMark Station 7000



Marking laser:

- Blackmarking
- Laser ablation
- Temper marking
- Rotary axis for circumferential marking

Maximum component size:  
650 x 375 x 450 mm



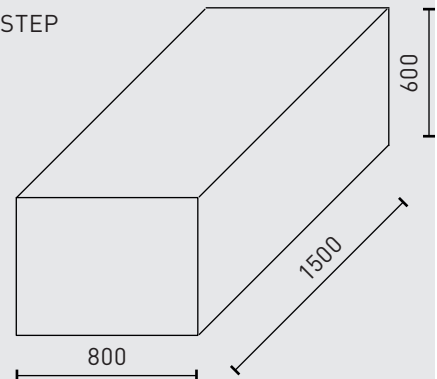
## Hexagon DEA Global Advantage



3D measuring machine:

- MPE accuracy: 2.5  $\mu$ m to 250 mm
- Data processing: DXF, DWG, STEP

Maximum component size:  
800 x 1500 x 600 mm



## MasterCam, Coscom Proficam

Programming systems:

- 3D data processing
- Data formats: DXF, DWG, STEP
- Machine simulation

**Mastercam**

**COSCOM**<sup>®</sup>