

# Premium 3020

The new Premium 3020 is probably unique at the machine market, because of its very small floor space required, a highly precise, high-speed frequency spindle and a cost-performance ratio unusual for these applications. Furthermore the very quickly CNCcontrol allows all characteristics for HSC milling or the extension of the system as a 3D-measuring machine, in order to be able to measure and to record the machined parts with the laser sensor for quality control.

By the complete design the PREMIUM 3020 is suited for 5 axis treatment of small parts, e.g. jewellery-, watch-, spectacles industry.



Specifications	Premium 3020
design	XY cross table with Z-axis
travel stroke (X/Y/Z)	250x190x180mm
linear guides	high load steel profile guides
coordinate table (X/Y)	320x250mm
max. clamping weight	25Kg
dimensions (LxBxH)	1400x800x1700mm
weight	~350Kg
drive system	AC servo motors 400W
repeating accuracy	<0.005mm
resolution	0.001mm
control system	integrated 3-axis path control HMC 2000
safety cover	safety cover with safety circuit module

## standard features

- steel under frame with granite table for highest stability and precision
- bellows cover in all axes
- HF spindle motor up to 2 kW / 50.000 rpm, HSK tool clamp
- most modern control electronics for HSC treatment and high speed digitisation
- linear motors or AC servo with ball screws
- control and power electronics completely integrated
- PC control MM2000 on WIN 2000-Basis with real-time board up to 0,1 ms cycle time
- I/O module configurable
- isy CAM integrated
- optionally: electronic hand wheel, touch probe, laser sensor, 10 times tool changer, 4th / 5th axis



## Applications

- copper electrodes
- small steel moulds
- injection moulds
- jewellery industry
- engraving of stamps and signs
- high precision
- small part working
- medicine
- technique
- spectacles
- industry



## Typical materials for machining

- copper
- steel
- aluminium
- plastics
- titanium
- brass
- gold
- silver

