

PLATINUM

1000

HSC milling machine PLATINUM 1000

NEW



The HSC milling machine **PLATINUM 1000** is a CNC flat bed machine with linear motors, which are based as direct drive system like the TransRapid principle.

The **PLATINUM 1000** is maintenance and wear-free CNC machine system for fast treatment at the same time high precision.

By using this unique drive concept we could widen going do without all mechanical transfer elements, e.g. ball screws, couplings, belts, etc.

Beyond that the precise polished substrate material granite ensures a high thermal stability and outstanding absorption characteristics.

■ Standard Features:

- Steel under frame with basic carrier from polished granite
- Individually alterable machine table, alternatively: granite table, T-nut plate, vacuum table, zero point clamping system with reversing plate technology or vertical clamping of large parts (housings for front-lateral treatment)
- splinter collecting pan
- linear motors in all axes
- bellows in all axes
- HF spindle motor 2300 W / 40.000 rpm (optionally: higher performance / higher number of revolutions)
- Most modern control electronics for HSC machining
- Control and power electronics completely integrated
- PC control WIN XP based
- isy CAM 2,5 plus integrated
- optionally: electronic handwheel, 3D measuring probe, laser sensor for tool check, rotary axis, 4./5. axes, tool changer, minimal quantity lubrication cooling/spraying unit, suction technology, vacuum clamping technology (grid-table, pad clamping system, VillMill)



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Applications:

- **milling of plates:** plexiglas, acrylic, composites, aluminium, PCB material, plastics, CFK, GFK
- **aluminium machining:** front panels, alu profile, housings
- **3D machining:** rapid prototyping, model and mould making, ureol, aluminium, ceramics, gypsum, graphite
- **multi-side machining:** 4th axis (rotary axis) 4th/5th axis (rotary / swivelling axis)

Specifications:

	PLATINUM 1000
design	Fled bat unit, Gantry drive system in Y axis
travel stroke (X/Y/Z) in mm	950 x 900 x 200
linear guides	long-term maintenance-free high-load steel profile guides
coordinate table (XxY) in mm	1000 x 1000
max. clamping weight in kg	300
dimensions (LxBxH) in mm	1900 x 1600 x 2000
weight in kg	~1500
drive system	linear motor drive
repeating accuracy	± 2µ
resolution	0,5µ
main spindle drive	high frequency spindle Chopper: up to 2,3 kW / 40.000 rpm (optional up to 100.000 rpm)
controlling system	integrated path control i-mes 8000, HMC 2000 or Heidenhain iTNC 530

