

## Technical Data for M-1600

<b>Working area (WxL)</b>	<b>1,300 mm x 1,600 mm (51" x 63")</b>
Overall dimensions (WxLxH)	2,150 mm x 2,060 mm x 1,190 mm (84.7" x 81.1" x 46.9")
Working height	800 mm (31.5")
Weight approx.	550 kg (1,213 lb)
Material clearance under tool head	35 mm (1.378") without materialsupport
Material width	1,500 mm (59")
Speed	1 - 1,000 mm/s (in steps of 1 mm) 0.04 - 39.4"/s (in steps of 0.04")
Acceleration	max. 5 m/s <sup>2</sup> (200"/s <sup>2</sup> )
Accuracy	resolution of measuring system: 0.005 mm (0.0002") addressable resolution: 0.01 mm (0.0004") mean static repeatability: +/- 0.02 mm (+- 0.0008")
Mechanical construction	A solid base from the manufacturer <u>ZUND / CH</u> consisting of a stable welded steel frame construction; torsionally stiff, high-dynamic portal; solid precision drive; all axles equipped with DC servo-drives; Jet lining in steel sheet; favourable catch pan/containers for gumption deaf and small articles with integrated insertable suction technique; stable and easily exchangeable material editions for different applications.
Software	Command set: HPGL extended - Data format: ASCII
Interface	RS-232 C / V24; 600...38200 Baud / Input buffer; 1 MB with replot function
Electronic control	Exchangeable electronic box - 4-axis-control X, Y, T, Z variable, look-ahead vector control - diagnosis function included
Main supply	Chose between: 3 x 400V +10%/-5% 50/60 Hz 1 x 220V +10%/-5% 50/60 Hz 3 x 210V +10%/-5% 50/60 Hz
Power consumption	5 kVA to 15 kVA (depending on laser power)
Environment	Operating temperature: +10°C to +32°C Storage temperature: -20°C to +52°C Relative humidity: 40 % - 80 % non condensing
Laser equipment	Gas laser (CO <sub>2</sub> ) with closed resonator (sealed off), absolutely maintenance free. Laser source from 10 W to 600 W Laser power control from 0% to 100% (in 0.1% steps) Focal length optional 2.5" / 5" / or 7.5"
Options	Filtersystems for rough grain, fine grain and gases Chill systems for any environment compressed and blow-clean air supply. Pilot laser . CCD-Camera for positioning and compensation of contour data. Conveyor. Control modul for raster engraving
Other tool heads	Standard version: All available <u>ZUND</u> tool heads for cutting, creasing, milling, engraving, plotting, dispensing and colour printing, etc.