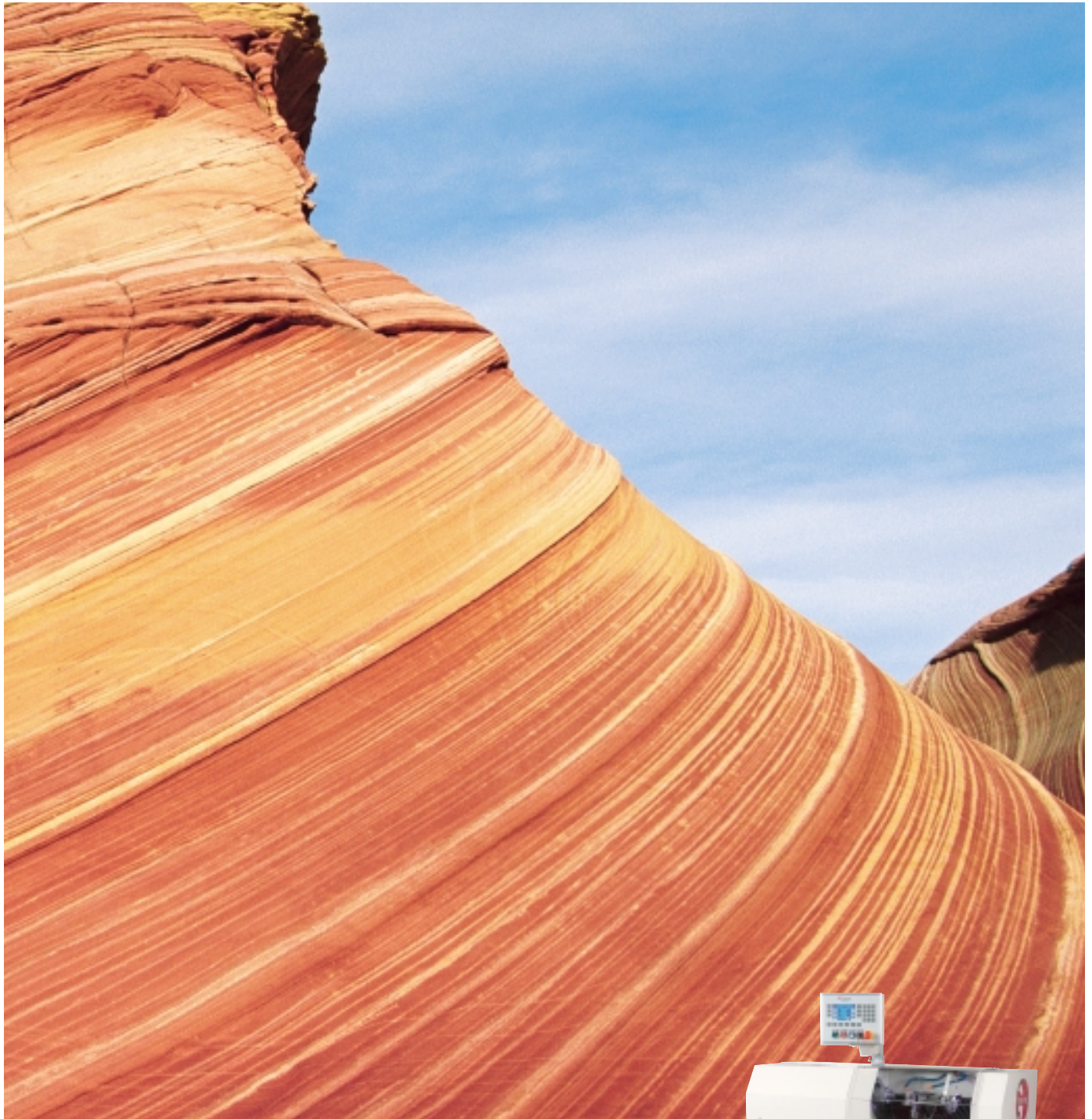


The Discovery of Endurance



E 1000

E 1000 – Standard horizontal honing machine for single item and standard production



Compact, precise and dynamic

The E 1000 is suited for component machining to size, shape and surface. Enables efficient and economical honing of gearwheels, hydraulic and pneumatic components, as well as many other workpieces with machining diameters of 1.14 to 35 mm and max. machining lengths of 200 mm. Designed as a multi-purpose and flexible tool, this version can also be employed for blind bores.

Getting to the heart of performance – NC-controlled, of course

The perfect interplay between machine, tool and process, including those in compact format, is testimony to the expertise gathered by Gehrung Delapena as a system supplier of honing technology. Because the filter and lubrication

unit has been integrated into the machine bed, the E 1000 combines maximum productivity with minimum machine size.

Every feature properly thought out: from the consistent ergonomic design enabling fatigue-free work, right through to the open view onto the working area and stable, warp-resistant machine bed. Operation just as easy to learn as that for the fully-programmable controller.

Simple menu guidance

Clearly arranged user interface enables simple input of the required process parameters using symbols and storage of up to 100 workpiece programs. Teach-in function for quick setting of stroke points and automatic saving of axle positions to the controller. This enables even short stroking for blind bores.



Eliminates expensive downtime

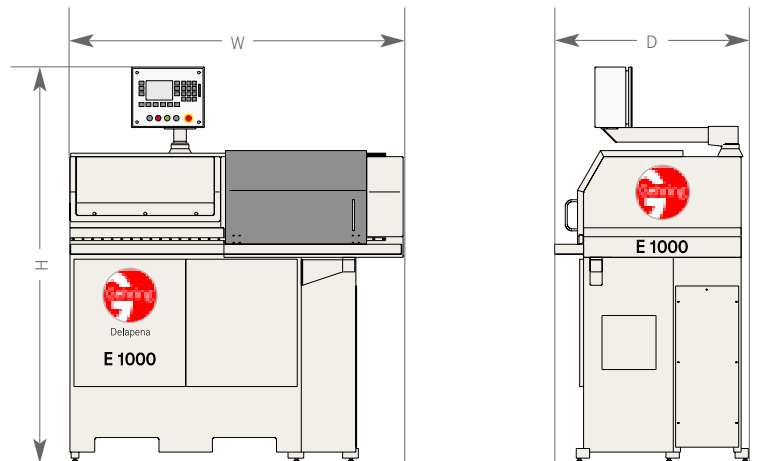
The good news is that the E 1000 is simple and quick to maintain and what's more, it was designed to deliver top performance:

- an intelligent tool and device system for the quickest production changeover
- favourable machine hourly rates thanks to reduced cycle times
- reproducible tolerance quality with efficient stock removal.

Unparalleled safety, as strict compliance with all national and international accident prevention regulations is guaranteed at Gehrung Delapena.



Technical data



Electrical equipment	
CE conformity	yes
Motor protection category	IP54
Standard electrical supply	380 - 420 V, 3 phase, 50 Hz
Control voltage	24 VDC
Feeding system	
Electromechanical feed	yes
Feed speed	2 programmable speeds for each cycle
Feed [mm]	0.001 increments possible
Stone pressure [N]	programmable to 1000
Wedge retraction	programmable
Capacity and stroke	
Diameter range [mm]	1.14 to 35
Stroking length [mm]	infinitely variable to max. 300
Stroking motor [m/min]	infinitely variable from 1 to 25
Stroking motor [kW]	0.92
Stroking movement	precision recirculation ball screw
Short stroking	Length and frequency fully programmable
Spindle drive	
Spindle speed [rpm]	infinitely variable from 200 to 2500
Spindle motor [kW]	1.5
Weight	
Net weight [kg]	600
Gross weight [kg]	700
Machine size	
Width W [mm]	1375
Depth D [mm]	770
Height H [mm]	1630
Packaging dimensions for road freight	
Width [mm]	1770
Depth [mm]	1005
Height [mm]	1800

The benefit to you: Optimal output rates
with zero-error quality



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