

Multi Spindle Drilling Machine

DLG Series

Micro-drilling with a swivelling pressure foot

A pressure foot with a smallest aperture that closely encircles the drill bit will ensure the most accurate drilling of micro holes.

To optimize this for the complete range of tool diameters and also allow a quick tool change, Lenz offers the 'swivelling' pressure foot. For perfect micro drilling - this is the best solution.

Constant drill breakage monitoring

Our broken bit detection system works using an electrical - capacitive principle. This system can reliably detect broken micro drills and additionally partly broken bits.

Laser Drill Check System

The Lenz Laser measurement system checks each drill bit for diameter, run out and length. These measurements are checked against pre-programmed tolerances. If any of the measurements fall outside the tolerance band, the drill is replaced and a new one selected.

Several hundred tools

Lenz shows the way: Developed by Lenz in 1985, the Euromagazine has become an industry standard throughout the world. The tools are supplied from the manufacturer in the Euromagazine and can safely loaded onto the drilling machines as a complete unit.

10/2005/E



fast • precise • productive



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LENZ

Granite: the base for precision

Granite is the preferred base material for our machines. The low temperature coefficient and the vibration absorption feature guarantees the highest accuracy.

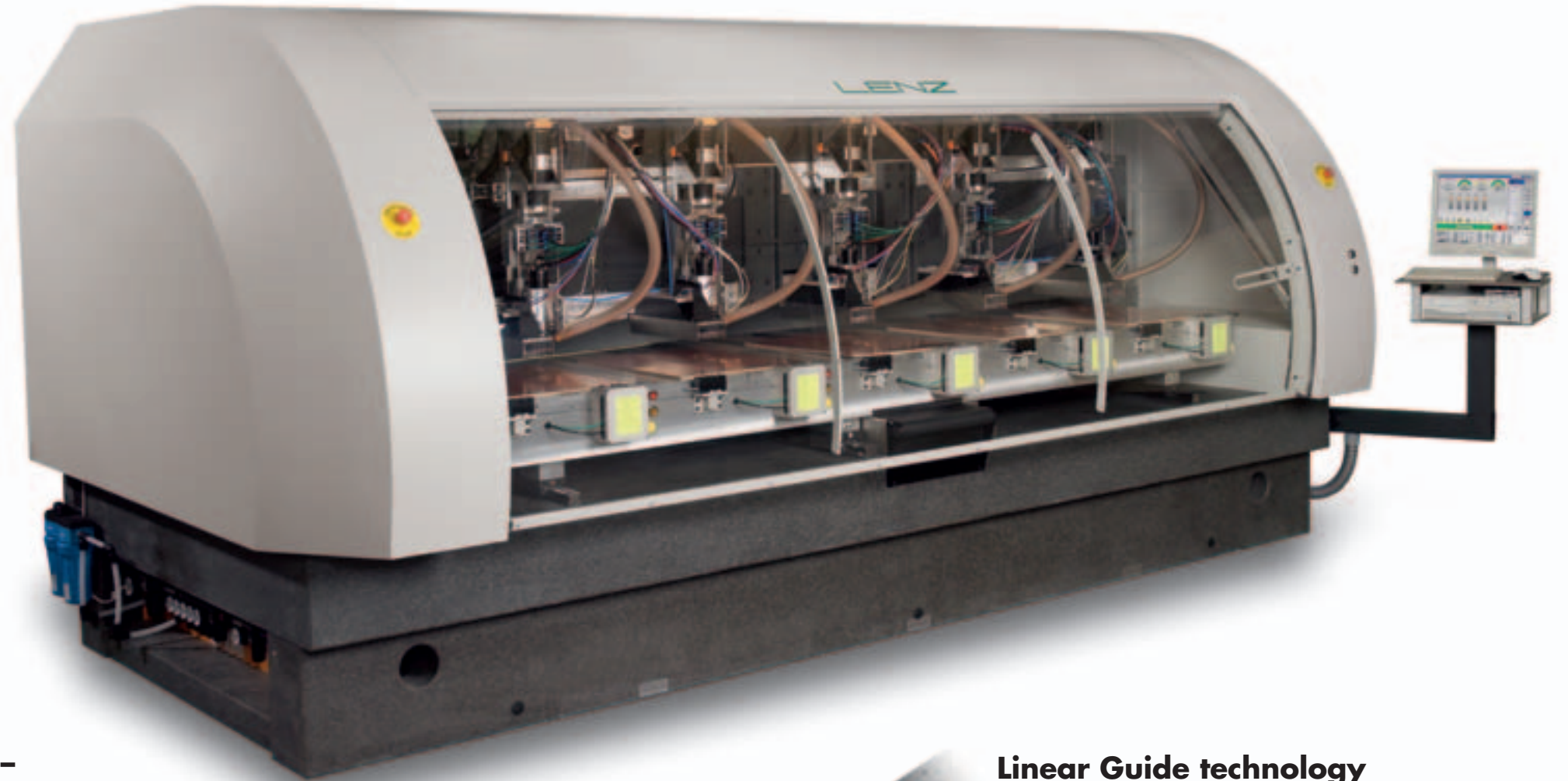
Speed with Linear Motors

Extremely high drilling speeds with super high drilling accuracy is reached by using high dynamic linear motors, in conjunction with special linear guides. The linear motor has no mechanical wearing parts, which is the reason the accuracy remains constant throughout the entire machines lifetime. Maintenance is also reduced to a minimum.



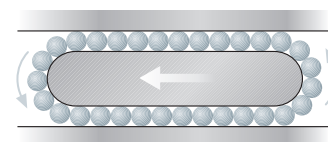
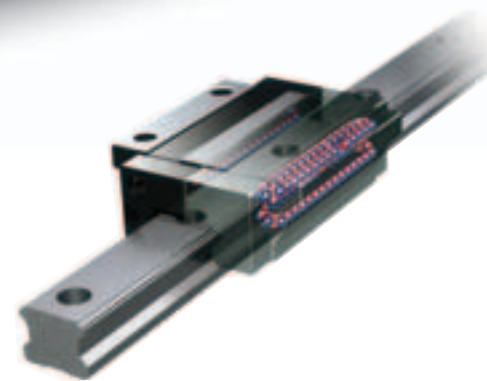
DLG - Multi Spindle

Highest productivity for mass production

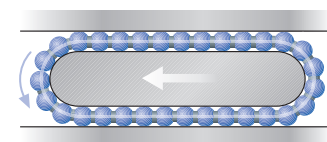


High Dynamic – Linear motor for the Z-axis

The highest dynamic and virtually friction free; these are the main benefits of the Linear motors and provide the highest possible productivity. A rigid mounting and virtually friction free; this provides the highest accuracy for blind via drilling.



Full ball type



With Caged Ball technology

Linear Guide technology

For more than one hundred years Linear Guide technology has been based on a re-circulating ball principle. Each ball, within the assembly, is pushed against the next creating movement. Within the latest generation of Linear Guides, used by LENZ, the balls are mounted in a chain. The chain eliminates the 'direct re-circulation' effect by creating a space between the individual balls. This provides the Linear Guide with very smooth movement and ultra low mechanical wear.

