



delapena

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Product

The **ProductionHone**, a revolutionary machine that seamlessly integrates honing and gauging into a single, automated process.

A game-changer in honing machines. The ProductionHone promises to streamline production lines and maximize efficiency.

Closed Loop In-Process Gauging

Ensuring that parts are produced without operator intervention. Pre and/or post honing measurements of parts as they are being made, to adjust the process in real time resulting in Improved Quality, Increased Productivity and Reduced Waste.

Flexible Palletiser System

Configurable pallet and tool loading system. Parts are pre-loaded and selected by the honing machine for batch hone production. The operator can load/unload whilst machine is in cycle.

Precision XY Table

XY table enables full movement of parts within the work area allowing multiple operations to be carried out automatically in one operation, such as code reading, cleaning, measuring and of course honing.

Data Matrix Scanning Technology

Multi code scanning technology enabling scanning of tooling, parts, and fixtures. Data is imported to machine control system which then checks correct tool and fixture is loaded for selected honing program.

Automatic Tool Changer

HSK63 tool change system with 29 locations enabling the ProductionHone to be set up with

tools for multiple jobs or operations such as roughing and finishing. It is the perfect choice for high-volume batch production.

Ferromagnetic Filtration

Automated temperature-controlled filtration with integrated waste reclaim unit with no filters, bags or cartridges maximising honing oil cleanliness and ensuring minimal honing tolerance variation by maintaining constant oil and water temperatures.

Liquid Cooled High Speed Spindle

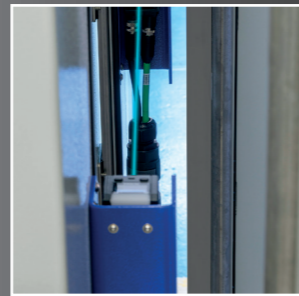
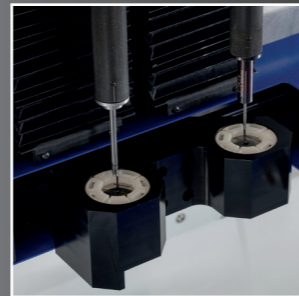
Liquid cooled high speed compact ultra precision spindle with HSK63 collet and up to 15,000 RPM. The spindle unlike other tool-holding solutions uses a hollow shaft with integral delapena stone expansion mechanism. With both radial and axial clamping, maximising honing tool precision.

iHoneFlow Technology

New intuitive icon based conversational programming software developed by delapena using Siemens Sinumerik CNC control software using a large 22-inch multitouch display.



ProductionHone - Automating The Micron



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