

# delapena Grinds Forward at MACH2024: Honing, Grinding, and the Future of Precision.

delapena, a leading name in precision engineering, is set to captivate audiences at MACH2024. Showcasing their cutting-edge honing, grinding, and surface finishing technologies. Visitors and exhibitors to Stand 19-335 will witness delapena's unwavering commitment to pushing the boundaries of precision and productivity.

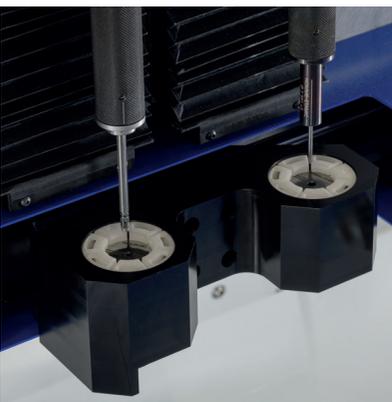


## delapena Honing: Art of Precision

delapena has a rich heritage and pedigree, being at the forefront of honing technology for over 90 years, and MACH2024 attendees can expect to delve into the world of delapena honing. Discovering how their expertise delivers state-of-the-art honing machines with unparalleled surface finishes, exceptional accuracy, and precision, and where world class service is standard. From classic honing machines, SpeedHone, TubeHone, PrecisionHone, and PowerHone to the latest advancements, including their new honing machine that has industries talking.

## ProductionHone: Automating The Micron

The ProductionHone, a revolutionary machine that seamlessly integrates honing and guaging into a single, automated process. This game-changer in honing machines promises to streamline production lines and maximise efficiency.



### Precision 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

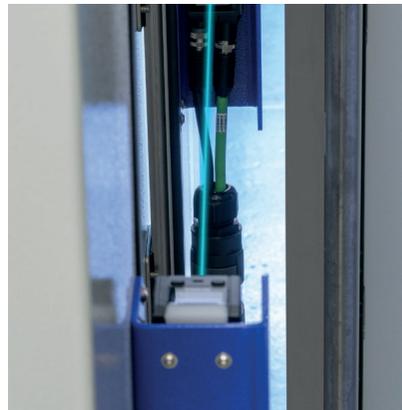
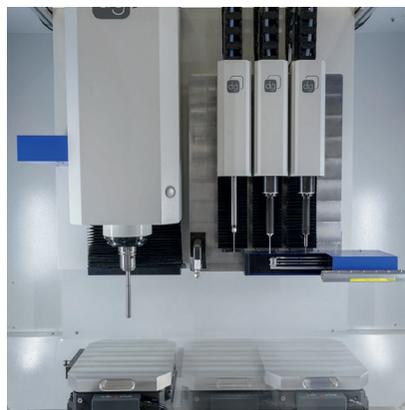
This technology enables scanning of tooling, parts and fixtures. The data is imported to the machine control system which then checks that the correct tool and fixture is loaded for the selected honing program.

### Ferromagnetic Filtration

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

### Liquid Cooled High Speed

Fitted with a compact ultra precision spindle with HSK63 collet and up to 15,000RPM. This spindle is unlike other tool-holding solutions. It uses a hollow shaft with integral stone expansion mechanism. Both radial and axial clamping and high rigidity maximises Honing tool precision.



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**The ProductionHone is the precect choice of honing machine for high-volume batch production. With an Automatic HSK63 tool changer system with 29 locations enables the machine to be set up with tools for multiple jobs or operations such as roughing and finishing. This allows the operator to load/unload whilst the machine is in cycle, maximising productivity.**  
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**ProdcutionHone and iHone Flow Technology:: Unvieling the Future**

delapena`s commitment to innovation doesn`t stop. Incorporated within the ProductionHone is their latest technology, iHone Flow. This conversational programming software sited on a larger, user-friendly 22 inch multitouch display offers intelligent process control and data analysis for unparalleled honing optimization. This advanced software serves to simplify and speed up the honing operation, with iHone technology and the operator working in unison, to guarantee a consistent surface finish across any application.

**delapena Sintered: The Power of Engineered Material:**

delapena`s MACH 2024 showcase isn`t just about impressive machines; it`s about the invisible force behind them - engineered materials.

At their dedicated research and development facility, based at their centre of excellence in Cheltenham, Gloucestershire, analysts meticulously formulate, test, and produce super abrasive honing sticks. Pushing the boundaries of wear resistance and performance

delapena produce specialist honing sticks for hard to hone materials including, Inconel, Chrome, Titanium and Stainless, in addition to manufacturing OEM equivalent super abrasives.

Visitors at Mach can witness how theses engineered materials contribute to longer tool life, improved process efficiency, and reduced downtime.



**delapena Grinding: UK Debut: e-tech Grinding Machine**

Adding to the excitement, delapena are proud to announce they are exclusive UK distributor for the e-tech grinding machines, making its debut at MACH2024. Theses innovative machines built for speed and precision, combine advanced electric motor technology with user-friendly controls, promising exceptional precision, and energy efficiency.

On show, stand 19-335 will be the Mini Genie, Cylindrical Grinder. Designed for high performance, high efficiency, and ease of operation.



**Stand 19-335: Customer Centricity at its core**

delapena`s MACH showcase is not merely about exhibiting machines. It`s about understanding your unique needs. The expert team present at Stand 19-335 will actively engage in conversations, delving into the specific honing and grinding requirements of your business. This personalised approach ensures you discover solutions tailored to your challenges, maximising your productivity and precision output.

MD Martin Elliott enthuse "Think of delapena as your complete solution. No matter where you are in the UK, our support network has you covered. We`ll ensure your delapena honing machine, or new e-tech grinding machines are always up and running, giving you peace of mind, We are dedicated to helping are customers succeed- we offer comprehensive resources, that included bespoke training packages, consultancy and support to maximise your return on investment

A testament to delapenas unwavering dedication to precision engineering excellence, visitors and exhibitors to Stand 19-335 will have the opportunity to:

- Engage with delapena`s team of experts to discuss their specific application needs.
- Learn about delapena`s latest innovations, including the ProductionHone and iHone flow technology.
- Explore the potential of e-tech grinding machines, exclusively distributed by delapena in the UK

**Find out more ; contact us [sales@delapena.co.uk](mailto:sales@delapena.co.uk) [www.delapenagrinding.co.uk](http://www.delapenagrinding.co.uk) [www.delapenasintered.co.uk](http://www.delapenasintered.co.uk) [www.delapena.co.uk](http://www.delapena.co.uk)**



**e-tech built for speed & precision**

delapena, the leading providers of advanced manufacturing technologies are proud to announce they are the UK distibutor for e-tech grinding machines

for further information visit our dedicated web site [www.delapenagrinding.co.uk](http://www.delapenagrinding.co.uk)

