



YOUR PARTNER IN SUPERIOR BORE HONING TECHNOLOGY

From machine and tool design to automated support systems, Engis provides end-to-end single-pass bore finishing expertise.



For more than 40 years Engis Corporation has been at the leading edge in single-pass bore finishing technology. Known throughout the world for our application knowledge, full system solutions and superior after-sale service.

Machine & Controls ▪ Tooling & Fixtures Automation & Process Development

Engis is in a unique position to optimize your part quality, decrease cycle times and reduce costs. We have complete control over the process and results as we design and manufacture the machines, fixtures and tools in-house.

Benefits of the Engis® Single-Pass System:

- Reduced labor costs through automated systems
- Lower cost per bore through long tool life
- Predictable, consistent results (SPC values >2.0 Cpk)
- Improved bore quality
- Eliminates rejects/rework
- Less frequent part inspection
- Shorter cycle times
- Higher production rates
- Backed by the experience of the Engis team

BORE FINISHING

Engis Precision Honing

Engis bore finishing systems bring new cost-saving efficiencies to operations the world over through our:

- superior design
- integrated controls
- automation systems

With Engis single-pass bore finishing technology, extremely tight tolerances (such as 0.0005mm) on bore geometry can be maintained under production conditions. The improved bore geometries translate directly into productivity gains and major reductions in costs. And since the Engis system is also user-friendly, the need for skilled operators in the honing department can be reduced dramatically, or even completely eliminated.

We provide complete, customized automation packages, including both in-bound and out-bound product flow. From pick-and place units and robotics, to in-process gauging and sensor systems, to conveyor systems linking automated machining cells, Engis is capable of helping you design, engineer, test and deploy the right solution.

Engis Diamond Plated Bore Finishing Tools The Key to High-Precision Finishing

Engis is a world recognized authority in both the manufacturing and application of precision bore finishing tools. Our engineers have successfully resolved a myriad of difficult application challenges maintaining sub-micron bore tolerances without sacrificing cost or cycle times.



Precision Finishing of Dual Diameters (Step Bores)



Single-Pass is the Manufacturers' Choice in Industry

- Hydraulic
- Medical
- Pneumatic
- Ceramic
- Compressor
- Gear
- Aerospace
- Precision Machining
- Powdered Metal
- Firearms
- Wire Die
- Automotive
- Connecting rods
- Rocker arms
- Tappet bores
- Cam & crank bores
- Fuel systems
- Steering systems
- Brake systems
- Turbo chargers
- Transmission components

Engis®

ENGIS CORPORATION

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