

MULTI-STONE HONING MANDRELS

FOR USE ON SUNNEN-STYLE HORIZONTAL HONE MACHINES



IDEAL FOR THIN WALLS AND HARD TO HONE MATERIALS

- ✓ Superior alternative to the traditional Sunnen style “stone and shoe” hone tooling
- ✓ Multi-stone production style tool designed to assist our clients using the Sunnen ML, EC, and MBB horizontal honing machines
- ✓ Stones used in these tools are created of metal bonded diamond or cubic boron nitrate (CBN) to achieve sound results on any materials

FASTER STOCK REMOVAL & REDUCED CYCLE TIMES

MULTI-STONE HONING MANDRELS



**GET IN TOUCH WITH US TODAY
TOGETHER WE WILL FIND A SOLUTION
FOR YOUR REQUIREMENTS**

The Legacy of Bates Technologies

Bates Technologies LLC, a division of Lapmaster International, is built upon an 80+ year legacy of innovative honing and bore sizing technology and technical expertise. Included in this legacy are the world class manufacturing expertise of the Micromatic and Barnes companies which continue to produce state of the art honing machines, precision stroke and single-pass bore sizing tools, abrasives and air gage systems. Bates products are the preferred choice for forward-thinking companies – from specialized machine shops to the largest manufacturers in the precision metalworking industry, including automotive, aircraft, energy, compressor, and petroleum industries.

Products

Our honing products represent a complete line of bore finishing solutions for all industries.

- ✔ Precision hone tooling engineered to fit and function on all styles of hone machines
- ✔ Advanced hone machinery from the Barnes Bore Honing and Finishing Systems group
- ✔ Agile and Flexible Honing and Air Gage Systems for use on CNC Machining Centers
- ✔ Single Pass Bore Size tooling using electro-plated or sintered diamond abrasives
- ✔ PAG's Precision Air Gaging and Size Control Systems
- ✔ Honing stones: CBN and diamond (metal-bond) & SiC/AIO x (vitrified and resinbond)
- ✔ Microsize® and Micro-Mold® metal-bonded and jacketed abrasives

Products are created for all honing machines:

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| • Gehring | • Engis | • Nagel |
| • Accu-cut | • Micromatic | • Fuji |
| • Kadia | • Toyo | • Delapena |



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