

YOUR PROVEN HONING PARTNER

SUPERABRASIVES PLATED TECHNOLOGY

COMING THROUGH

At Bates Technologies, we've been coming through for customers for years. We dedicate ourselves to honing and bore finishing applications, helping manufacturers to achieve the finest bore quality at an efficient cost per part.

...WITH PRECISION

Connecting rods, pinion gears, engine blocks and more. We have years of experience creating parts that demand precision. We come to the table with years of collective knowledge and expertise, the result of thousands of applications.

...TIME AFTER TIME

Flawless processes. Flawless parts. That's what keeps our customers coming back... time after time. Today, our honing stones and tooling are at work in precision metalworking processes all over the world — in specialized machine shops and in large manufacturing facilities in the aircraft, automotive, transportation, packaging and petroleum industries.

Electro-Plated Products

- Microsize Bore Finishing Tools – High accuracy tooling for Engis, Accu-Cut, Sunnen and CNC machining centers.
- Grinding Wheels – Long life, consistency, better cutting action and part quality for grinding applications. Stripping and replacement services available.
- Gripping Surfaces
- Wear Surfaces – Various techniques to extend the life of the wear.

Electro-Plated Tooling -- Consider Bates Your Original & Replacement Tooling Resource

Diamond and CBN Plated Microsize® bore finishing tools from Bates help you get the job done right the first time. The tools go through the bore only once, removing the prescribed amount of stock to yield a perfectly sized bore in one pass. An expandable Superabrasive sleeve mounted on a tapered arbor, Bates' Microsize® bore finishing tools overcome even the most difficult bore-sizing and finishing challenges.

The tools excel on tandem bores and parts with keyways. The tools also yield extremely close tolerances and easily handle interrupted cuts. Bates' Microsize® tools are created for operation in typical bore finishing machines, such as Engis, Accu-Cut and Sunnen machines, as well as CNC machining centers. The super-abrasive tools have been successful in bringing new efficiency to fine boring and grinding operations. They may also be used on their own to obtain fast stock removal, or as part of a finishing process following traditional honing.



Bates Capabilities

Abrasives

- Cylinder Block hone tools**
- Diesel Injector & Liner hone tools**
- Gage plugs & Gage Systems**
- Tool repair & Reconditioning**
- Process Application Analysis**
- Application Engineering**
- Machine Repair & Service**
- Wear Surfaces**



Micromatic®
Honing Tools & Abrasives



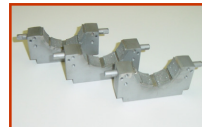
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Gripping tools



Collets and Anvils

Plated shoes



Wear Surfaces



Diamond coated surface to improve the wear resistance of a tool.