



MOLD/DIE POLISHING

Polishing Systems for the Mold & Die Industry

- Premium diamond compounds formulated, manufactured and stocked at Engis
- A full range of Diprofil® power and hand tools and accessories
- High quality consumables which optimize the polishing process
- Application support from our experienced product specialists



A Compound for Every Application

Engis Corporation is recognized throughout the world as a trusted name in diamond compound manufacturing for mold and die polishing.

SC (Super-Cut) - SC diamond compound has been specifically formulated with the polishing professional in mind. In the past, a compound that cuts quickly might leave a dull finish, resulting in additional finishing steps to massage the mold back to its original state. Any time saved on the front end was lost in the final polish; to address this challenge the engineers at Engis have developed SC compound.

- New sharper diamond particles
- Optimized particle size distribution
- New carrier with superior lubrication qualities
- Better adhesion to the wool felt bob or wood bob
- Not "greasy" like standard compounds
- Easier to view the work piece while polishing
- Higher vaporization point

Five-Star® - Our flagship Five-Star diamond compound is both oil and water soluble and combines the excellent cutting characteristics of natural diamond with the durability of manufactured diamond for superior finishing capability.

DiaMold® - This compound has been designed for the budget minded finishing specialist who requires excellent quality on standard applications.



Specialty Compounds - Engis has other formulations for specialized applications. Our Product Specialists are here to help you select the right product for your application.

Lubricants and High Intensity Polish - Check out our water and oil soluble polishing lubricants as well as our non-diamond High Intensity Polish to bring out the final finish.

SC Has Been Tested at Premiere Mold Shops with Successful Results



Before and After photos of an A2 component finished with 3 micron SC compound on a felt wheel

Typical comments are:

- "This stuff works!"
- "Sticks to the polishing bob well!"
- "Can we buy more?"
- "Easy to see the polishing progress, not greasy..."

Diprofil® Power Hand Tools, Accessories and Consumables

- Classic series reciprocating polishing/filing tools
- Di-Pro low vibration reciprocating tools
- Accessories for Classic and Di-Pro tools
- Flex shaft driven rotary handpieces
- Bench mount and electric hanging motors and accessories
- Power packs
- Diprosonic ultrasonic finishing system
- Precision machine and hand files



Diprofil Diamond and Steel Files

Diprofil diamond files are made from carefully selected quality diamonds, precisely bonded to obtain the best physical properties for added strength and resistance to wear. Diamond files are excellent for EDM scale removal and for use on carbide, hardened steel, ceramics and other hard materials.



Engis Stocks a Wide Variety of Rotary Finishing Tools and Polishing Accessories



- Felt Bobs
- Wood Bobs
- Polishing Brushes
- Ceramic Polishing Discs
- Abra-Cap Seamless Grinding Caps
- Diamond Wheels and Points
- Tungsten-Carbide Cutters
- Precision Diamond and CBN Plated Grinding Pins
- Precision Diamond Plated Taper Pins
- Diamond and Steel Files
- Polishing Stones
- Ceramic Stones
- Stone Holders
- Lapping Sticks and Holders



Based in Wheeling, Illinois, Engis Corporation is an American owned company and world leader in the manufacture of diamond polishing compound. In fact, one of the very first products offered by Engis at its inception in 1938 was diamond compound used in high precision military applications.

Engis is truly a single source for all of your polishing needs.

Because we recognize that polishing is a system, we offer a full range of high quality rotary and reciprocating tools, as well as machine accessories and consumables. Our expertise in diamond characterization and carrier chemistry, along with our ISO 9001 quality certification, means you can count on receiving products of superior quality from a company that has been in this business for 80+ years.



Originally developed during World War II, Engis' range of diamond compound improved the precision of Norden Bomb Sights, which some experts believe to have hastened the end of the conflict.

SMART MANUFACTURING BEGINS WITH SMART PROCESSES



Experienced Application Support

Our plant in the northwest suburbs of Chicago puts us in close proximity to one of the largest mold and die markets in the country.

We have dedicated staff who can assist with your most difficult polishing challenges.

We also offer a complimentary Polishing Handbook with tips for improving your polishing processes.

***At Engis we don't just sell products...
We engineer solutions!***



World Leader in Superabrasive Finishing Systems

ENGIS CORPORATION

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CERTIFIED QUALITY
MANAGEMENT SYSTEM

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