

AHB

TOOLING & MACHINERY

COMPLETE METALWORKING SOLUTIONS

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Global Capabilities Serving Diverse Markets



 **FAMILY OF COMPANIES**

Cole's History of Excellence



In 1936 Oren S. Cole founded Cole Carbide with a vision: apply family values, innovative manufacturing and quality assurance to produce carbide and ceramic products. Today, Cole is known worldwide as an innovative and progressive manufacturer of high-quality, close tolerance carbide cutting tools, tool systems and engineering services.

The Cole Family of Companies is defined through two subsidiaries – Cole Carbide Industries: Cole Engineered Products division; and Cole Tooling Systems: Cole Oil, Gas & Water, Millstar Tooling, Indexa-V Drilling Products, and Omnithread Thread Milling Systems divisions.



The Cole Family of Companies

COLE CARBIDE INDUSTRIES, INC.



COLE ENGINEERED PRODUCTS

Cole Engineered Products are masterfully crafted cutting tools and wear parts which integrate either customer-supplied or Cole engineered designs.

COLE TOOLING SYSTEMS

COLE OIL, GAS & WATER



Combining advanced designs and innovative manufacturing techniques, Cole Oil, Gas & Water provides standard and custom carbide threading inserts and threading systems that excel in quality and efficiency.

MILLSTAR TOOLING



Millstar division of Cole is an industry leader in producing die and mold profile tooling and solid carbide tools for high-speed machining applications.

INDEXA-V DRILL PRODUCTS



Indexa-V products are designed using the latest "point geometries" engineering and are created using robotic CNC controlled grinding equipment.

OMNIthread THREAD MILLING



Omnithread is a leading supplier of thread milling systems. This long wearing thread mill tooling is made of special grades of tungsten carbide and coated for various cutting materials and applications.

Diversified Geographies — Diversified Markets

UNITED STATES

CANADA

MEXICO

BRAZIL

ARGENTINA

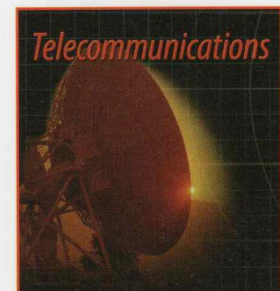
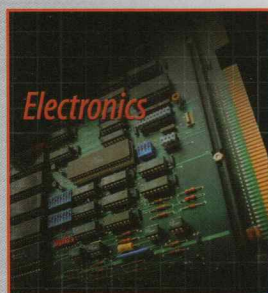
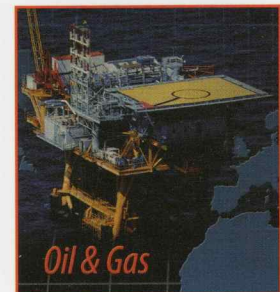
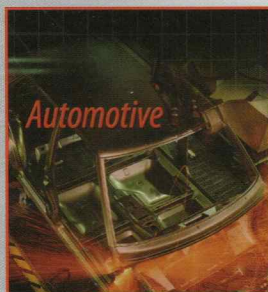
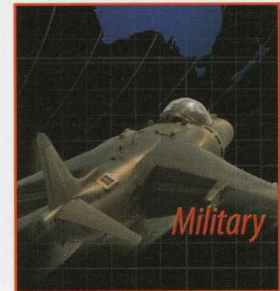
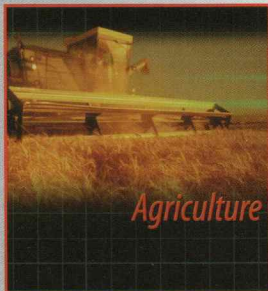
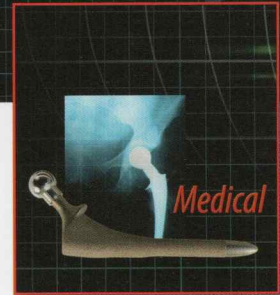
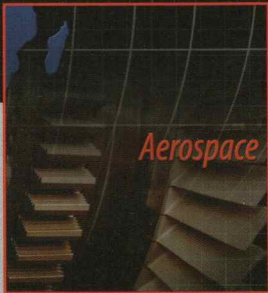
EUROPE

JAPAN

CHINA

AUSTRALIA

...AND MORE!



Cole Carbide is headquartered in Orion Twp., Michigan with manufacturing facilities, distribution centers and sales outlets located throughout the world in over 30 countries. This global presence empowers Cole with comprehensive global capabilities and expertise to serve diverse markets.

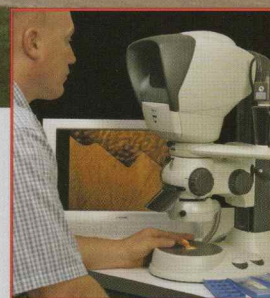
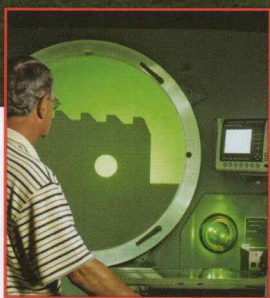
To ensure global connectivity and maximum service coverage, Cole offers ten service centers strategically located worldwide. Each service center is staffed with highly skilled and trained employees with multi-faceted expertise to serve diverse markets including: aerospace, agriculture, automotive, electrical, medical, military, oil, gas & water, and telecommunications.

Third Generation Hand Craftsmanship

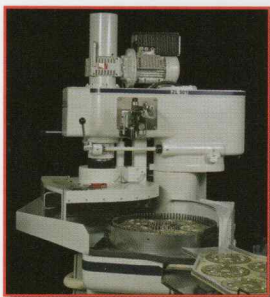
COLE CORPORATE HEADQUARTERS
ORION TWP. MICHIGAN

COLE DISTRIBUTION CENTER
ORION TWP. MICHIGAN

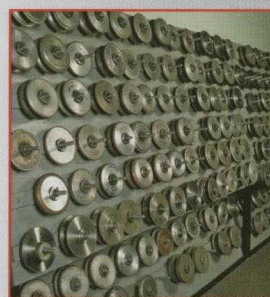
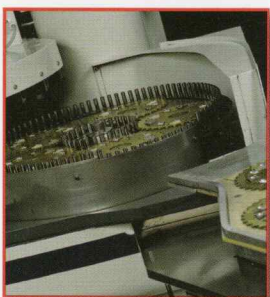
COLE PRODUCTION CAMPUS
CASS CITY MICHIGAN



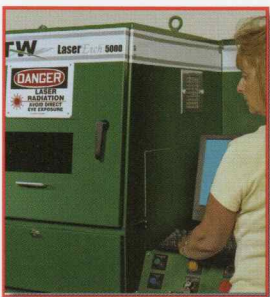
Combining masterfully crafted cutting tools and wear parts with superior customer service and technical support, Cole Engineered Products delivers sophisticated, user-friendly solutions versatile enough to satisfy cutting tool applications in any market.



Beginning with customer-supplied or Cole engineered CAD drawings, each product is finished with standard or special coatings to create the finest products available in the industry. Cole provides technical support and supervision from design through application trials to ensure optimum performance before beginning final production.



Part of the Cole tradition of excellence is the continuing commitment to facility upgrades, expansion and improvement. For example, the Cass City, Michigan manufacturing facilities are one of the finest and most efficient in the cutting tool industry.





ROBOTIC CNC GRINDERS

LASER ETCHING/MARKING SYSTEM

INTEGRATED DESIGN & MANUFACTURING PROGRAMMING SYSTEM

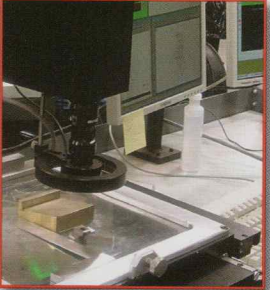
VISION INSPECTION SYSTEMS



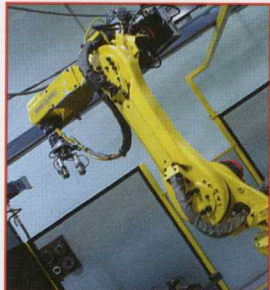
Advanced designs and manufacturing has propelled Cole Oil, Gas & Water (OGW) into one of the world leaders in threading systems, both standard and special thread form. With OGW's advanced automation technology thread pitches are similar but the tolerances differ to accommodate individual markets.



OGW threading systems combine advanced technology, progressive manufacturing techniques and automation capabilities to provide remarkable consistency, precision and long life.



Millstar Profile Milling Tools integrate Cole's automation capabilities to deliver shorter machining and lead times, higher machining accuracy and true contouring results.



An industry leader in producing die and mold profile tooling and solid carbide tools, Millstar tools are designed with advanced 3D programming for profile machining and high-speed/hard-milling with modern machine tools and methods.



Standard Products or Custom Solutions



Cole responds to diverse drilling application requirements with time- and cost-effective solutions manufactured to exact specifications. Indexa-V products are custom manufactured drilling systems designed to deliver accuracy and high productivity to your cutting application.



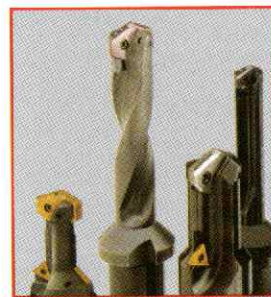
Cutting inserts are made with micrograin tungsten carbide, configured to specific geometry and finish-coated to work in your cutting material. Designed with a patented "V" seat, tool holders provide stability for accurate cutting repeatability.



From a large in-stock inventory to made-to-order specials, Omnithread, a global leader of thread mill tooling, provides a wide range of solid carbide mills, tool holders, and indexable inserts—each include a threading program formatted to your machine and operation.



Omnithread tooling is designed to complement evolving CNC machining applications and requirements.



- GLOBAL PRESENCE •

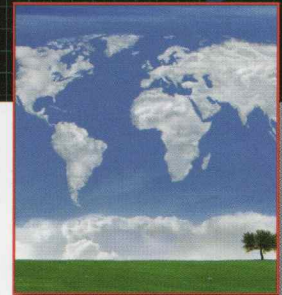
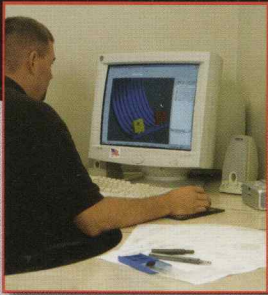
- STREAMLINING PRODUCTION PROCESSES •

- NEW TECHNOLOGIES / NEW PRODUCTS •

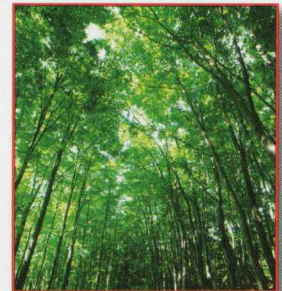
- CONTINUED INVESTMENT IN CAPITAL EQUIPMENT •

- FLEXIBILITY TO CHANGING ENVIRONMENTS •

- FINGER ON THE PULSE OF TOMORROW'S CUSTOMERS •

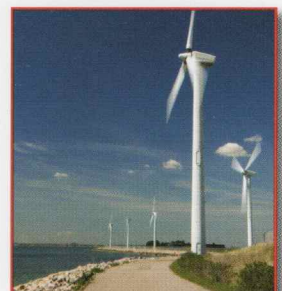
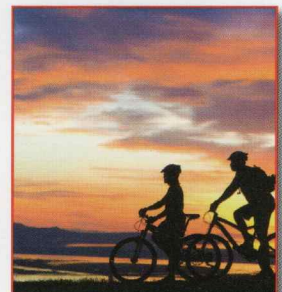
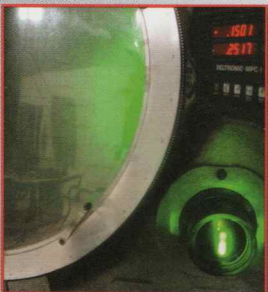


Cole anticipates and responds to the future needs of our customers by consistently streamlining production processes and increasing the flexibility of systems integration to changing environments.



The Cole Family of Companies will continue to apply family values, innovative manufacturing and quality assurance to satisfy standard and custom cutting tool applications.

Our continued investment in new technology, equipment, facilities and environmentally friendly upgrades will expand our global presence and strengthen Cole's capacity to apply global capabilities to diverse markets.





 **FAMILY OF COMPANIES**

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