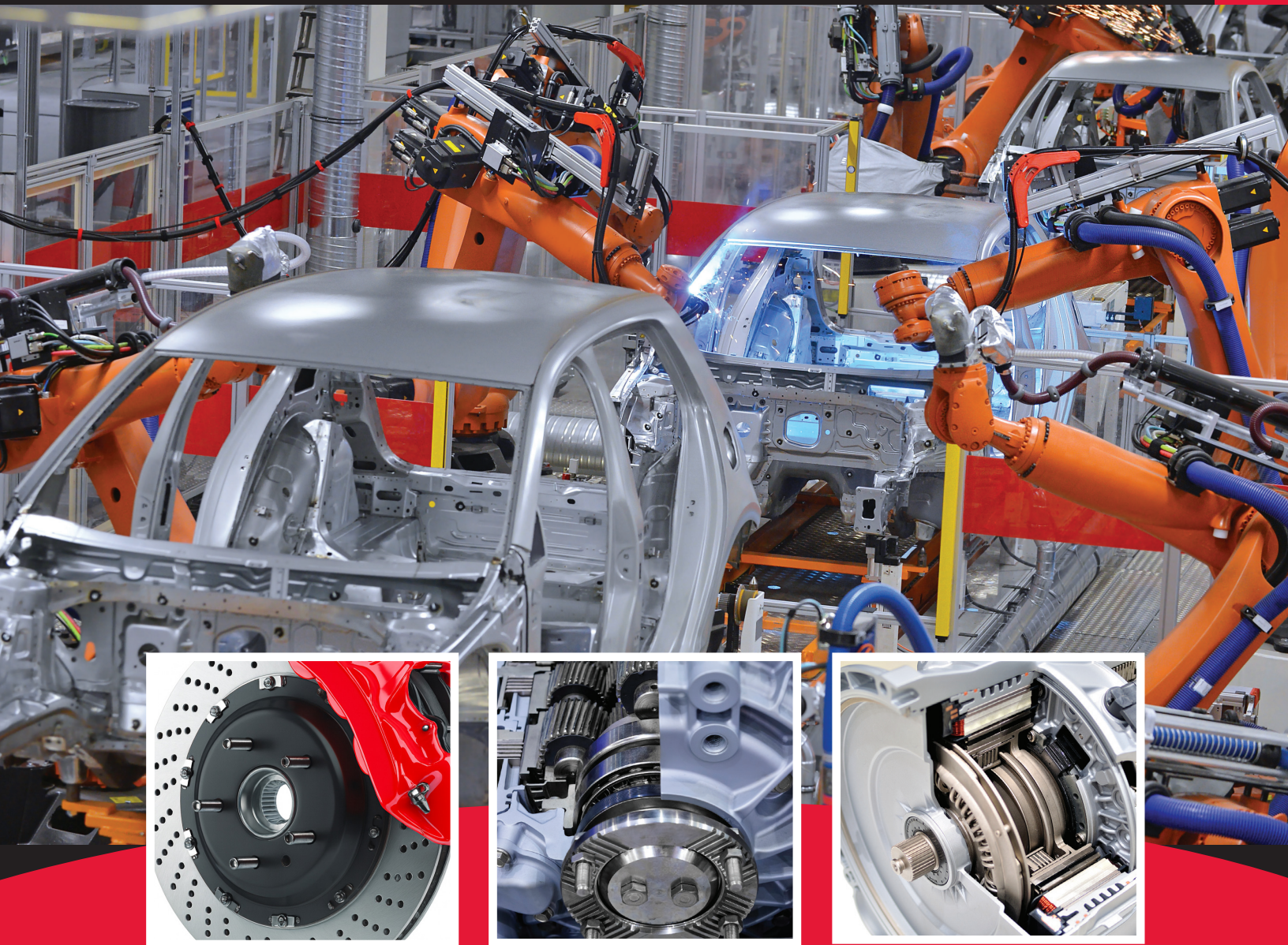




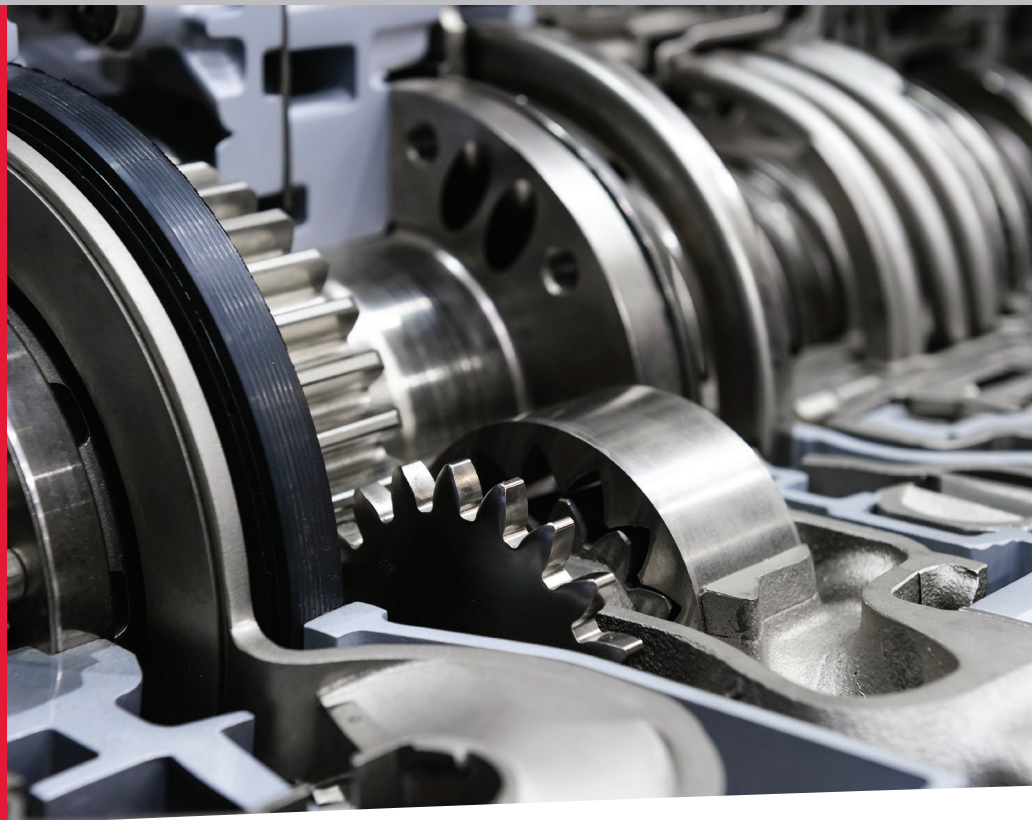
GENERALCARBIDE®

REDEFINING POSSIBLE



SHIPPING COMPLETE TO THE
AUTOMOTIVE INDUSTRY

PREMIUM CARBIDE GRADE TOOLING ■ GRADE DEVELOPMENT ■ APPLICATIONS ENGINEERING



VERTICAL INTEGRATION LEADS TO COMPLETE PROCESS CONTROL — FROM POWDER TO POLISH

At General Carbide, we have nearly 70,000 square feet dedicated to the production of specialty preforms, and 50,000 square feet for finishing operations. We manufacture a wide range of tooling for Tier 1 and Tier 2 suppliers, including:

- **Stamping/Lamination**
- **General Metalforming**
- **Specialized Fastener Tooling**

Because our finished tooling is made from proprietary grades of tungsten carbide, our tooling offers superior toughness, along with resistance to:

- **Abrasion**
- **Compression**
- **Corrosion**
- **Deflection**
- **Erosion**
- **Torsional Stress**
- **Wear**

As an ISO-certified manufacturer, our automotive-specific grades meet the highest performance standards.

Providing the R&D You Need to Succeed

Our in-house application expertise allows us to work with you in formulating the ideal carbide grades for your specific applications, including Hammer Dies for drive lines and Spline Dies used to make gears.

In many applications, tungsten carbide can be a superior alternative to tool steels because of its metallurgical and financial advantages. It takes our kind of specialized know-how to help you determine which grade to select.

Our technical expertise also enables us to respond quickly to customers' requests for new grades and product failure analysis, as well as adapt existing grades to specific applications.

ENGINEERING KNOW-HOW THAT COMPLEMENTS OUR METALLURGICAL EXPERTISE

With a team of experienced Application Engineers that know how specific carbide grades perform in various manufacturing environments, we make sure that the grades we recommend are up to the task.

By synthesizing the knowledge of professionals who specialize in metallurgy and engineering, we

deliver tungsten carbide tooling that offers:

- **Extended Die Life**
- **Reduced Downtime**
- **Increased Productivity**

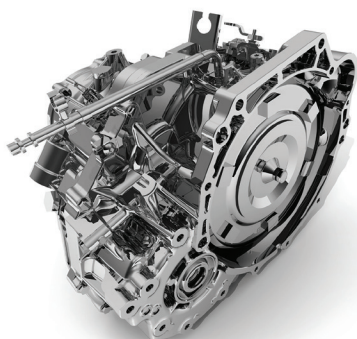
The seamless, vertical integration of our engineering, R&D and manufacturing operations makes us the ideal partner to meet your tooling needs.

Whether you need tooling for stamping, general metalforming or specialty applications, we have the experience with applications that are similar or identical to yours.

To find out how we can meet your specific requirements, call **800.245.2465** or visit **generalcarbide.com**

KEY ADVANTAGES OF WORKING WITH GENERAL CARBIDE ARE:

- > **Vertically Integrated**
- > **Flexible**
- > **Responsive to Your Production Deadlines**



AUTOMOTIVE TOOLING SHIPPED COMPLETE

General Carbide manufactures more than 50 grades of tungsten carbide, as well as quality finished tooling, for production of automotive parts and components used by Tier 1 and Tier 2 suppliers. We also collaborate with customers on R&D projects that test for a variety of properties related to strength and resistance.

General Carbide was established in 1968 and is headquartered in Greensburg, PA, near Pittsburgh.



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