

INNOVATIVE SOLUTIONS

Meeting the growing need for unique and increasingly complex high performance custom cutting tools



CHALLENGES & SOLUTIONS

A premiere manufacturer of hydraulic and pump systems for off-road equipment needed special tools to drill 16 to 18 diameters deep in high tensile ductile iron.

M.A. Ford's Custom Tool Division designed a set of tooling with special O.D. profiles and flute forms allowing the customer to aggressively drill these depths while maintaining superior finish and geometry.

Craftsmanship

Back in 1919 when Matthew Ford introduced the first high-performance steel rotary file in Davenport, Iowa, he understood the true value of a tool should be measured by its ability to increase productivity through superior craftsmanship, performance and tool life. Today, M.A. Ford® Manufacturing Company continues this tradition by taking advantage of advanced machine tool technology and materials to make the most innovative, high quality cutting tools available in today's marketplace. M.A. Ford® has progressed from a small Midwestern manufacturing company to a large, multifaceted organization serving markets worldwide.

Continuing with our heritage of providing our customers with superior craftsmanship and productivity the M.A. Ford® Custom Tool Division focuses on meeting the growing need for unique and increasingly complex special cutting tools.

By partnering with select machine tool users the Custom Tool Division will develop and supply custom engineered carbide tools of unmatched quality which meet or exceed their productivity, delivery and utilized cost expectation. Custom tools are proven to increase speeds and feeds, save setup and handling time which in turn leads to faster run times, more efficient manufacturing and more importantly, INCREASED PROFITS.

High Performance

We offer application development, design and manufacturing expertise in the following product classifications:

- High Performance Drills
- G-Drills
- Step Drill Reamers
- Subland Drills
- Subland Drill Reamers
- Coolant Thru Specials
- Step Reamers
- Coolant Thru Reamers
- Custom End Mills
- Custom Form Tools

To support your productivity improvement efforts, we offer the following services:

- Technical assistance in prototype custom tool design
- Re-engineering of existing custom tooling to optimize tool performance
- Tool manufacturing lead times which meet or exceed your delivery requirements
- Immediate response to quotation request
- Readily available technical phone support
- Field representative support service
- Emergency tool service
- Custom tools of the highest quality

Quality

CHALLENGES & SOLUTIONS

A major jet engine design and manufacturer was faced with reducing cycle time by 30% on an engine component.

The Custom Tool Division partnered with the customer and through testing, developed a tool using new substrates, geometry, edge-prep and coating technology to achieve the customer's requirements.

The same technology was applied to a major jet engine re-manufacturing company with a six and eight flute technology to cut their cost 66%.

Call Us Today!
1-877-522-2885

Support

APPLICATION SPECIFIC



M.A. Ford's Complete Product Line

Twister® Drills
Countersinks
TrueSize® Reamers
TuffCut® End Mills
EdgeHog™ Carbide Burs
Miniature Drills/
Diamond Grind Routers
Custom Tools

ISO 9000:2001 Certified

Engineering & Manufacturing Excellence

 **M.A. FORD**
High Performance Cutting Tools
Custom Tool Division
Engineering & Manufacturing Excellence

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Engineering High Performance Custom Tools . . .



. . . Maximizing Your Profitability

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