

A history of innovation and quality

MA Ford has a long history of manufacturing high performance cutting tools. Beginning in 1919 the first hand cut, HSS rotary files were made in America and still today MA Ford is the world's premier manufacturer of high performance cutting tools.

Whether it's engineering the exacting tolerances of miniature drills or developing the intricate geometries for application specific high performance cutting tools MA Ford's commitment to innovation, quality and professional service, put them a cut above the rest.

MA Ford has two of the world's most modern Solid Carbide and HSS Cutting Tool manufacturing facilities in America and both strive for improved response times, the highest quality tools, innovative ideas, cost reduction and control.

With MA Ford's vast history of manufacturing, today they manufacture the most complete lines of drills in the industry, ranging from high-precision micro and circuit board drills, to high performance, large diameter drills for machining aluminium, stainless steel and exotic alloys.

MA Ford's commitment to its customers has seen an aggressive R&D program to enable them to continuously add to their range of high performance drills. You can rely on MA Ford's Twister products for drilling virtually any material. In addition TiN and ALTiN coated high performance drills have been included to ensure that you have the correct drill size and coating to meet all your holemaking requirements.

Not only have MA Ford introduced new drills with advanced materials, geometries and flute designs, but they have also increased their range of coolant fed drills. By delivering coolant right to the cutting edge, MA Ford coolant fed drills enable you to increase speeds up to four times that of a standard HSS drill, and 1.5 times that of a standard solid carbide drill. Deeper holds can also be machined without peck drilling, because the pressurised coolant forces the chips out of the hole.

MA Ford TuffCut end mills perform better and last significantly longer than competitive products, minimising process



downtime and maximising productivity and cost efficiency. Included in their product line are high performance end mills developed for specific applications such as stainless steel and high temperature alloys, hardened steel, and aluminium and softer alloys. They also carry a complete range of standard carbide end mills designed for efficient general purpose milling of all steels, cast irons and most other materials.

MA Ford solid carbide end mills are ideal for tough or abrasive work. On many jobs they can run faster than HSS or Cobalt because of their high heat resistance. The result is higher production rates.

With over fifty different styles available, MA Ford can deliver the correct combination of size, flute length, number of flutes, geometry and coating to meet your specific needs.

MA Ford offers one of the most complete selections of HSS and carbide countersinks and deburring tools. The original MA Ford single flute Uniflute countersink is unequalled for economical, chatter free machining. It is available in both HSS and carbide, with angles from 60° to 120° and diameters ranging from 1/8" to 3".

For higher feed rates or reduced chip loads, multiple flute tools are available. Multiple flute countersinks are designed for

increased feed rates. Because there is more than one cutting edge, chip loads are not excessive, and chatter can be controlled, allowing higher feeds.

Whichever you select for your specific needs, you'll find unparalleled quality in manufacturing and materials with MA Ford HSS and carbide countersinks.

In applications that require high-precision hole finishes, or tighter diameter control, MA Ford TrueSize Reamers can be used with confidence. Solid Carbide Reamers are available in a wide range of sizes for virtually all materials, including cast iron, aluminium, stainless steel, exotic alloys, plastics and other non-ferrous materials.

MA Ford stocks over 1000 inch and metric size reamers in its product line and also maintains an inventory of pre-finished blanks, which can be finished to your precise specifications.

For aggressive cutting action, smooth operation and long tool life, MA Ford Carbide Burs are your best choice. All of our carbide burs are manufactured on CNC machines, and inspected to exacting tolerances. Quite simply, the bur runs smoother, without bounce or chatter. That means a more efficient finishing operation and a better finish than possible with irregular, hand ground burs.

MA Ford has over 160 different tool shapes and sizes available to suit your specific needs. Cutting diameters range from 1/16" to 1", with a variety of either fractional or metric shank sizes.

MA Ford is a leading manufacturer of precision ground miniature carbide cutting tools. Included in our product line are miniature carbide drills, carbide end mills, carbide burs, carbide boring tools and carbide reamers. Our miniature cutting tools are manufactured to the highest standards, so you're assured of quality and performance. Look for the introduction of MA Ford miniature coolant fed drills in the near future.

For special or unique applications that require more than standard tooling, MA Ford has a dedicated custom tool division that can design a unique solution for your application needs.

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