



EDM pavilion

IMTS2010
CONNECTING GLOBAL TECHNOLOGY

EDM is a proven, reliable, high-accuracy technology for those in the tool & die industry, and especially those that specialize in one-off or specialty components. Everything from CNC wire EDM equipment to die-sinking machines can be found here.

» **East Building**
9am to 5pm

EDM CONSUMABLES

Without high-quality supplies, EDM operators are faced with wire breakage, increased machine maintenance, and endless frustration. Without low-prices, EDM shops suffer with increased operating costs and lower profits. Hightech EDM Consumables are developed to bring a synergy between quality and price, and have been developed using the highest zinc-content to increase speed over traditional brass EDM wires. The latest brass and coated EDM wires include HQ BRASS, Z-Wire, and other high-speed, coated EDM wire. Filtration is also an integral part of the EDM process and SHF-25E filters are designed to offer more hours, less change-out, and lower disposal costs.



IMTS Booth E-4418

Hightech EDM Consumables

Schaumburg, IL
sodick.com

EDM, WATERJET, HIGH-SPEED VERTICAL MACHINING

MC Machinery Systems Inc. will display several product lines at IMTS. The FA20S Advance wire EDM features an advanced M700 series control. The Windows-based system with 15" LCD touch screen display provides a simple menu configuration allowing for easy navigation. The machine has a 3D adaptive EDM control, which can analyze 3D data and recognize shape characteristics, virtually eliminating transition lines in stepped workpiece areas.

Mitsubishi will also showcase its large-capacity wire EDM, the BA24. The machine's V350II power supply with anti-electrolysis technology helps achieve the high performance machining.

Additionally on display will be the EA12V Advance sinker EDM; the EA8PV Advance sinker EDM; the ED5000 CNC small hole drill; the HC-658 high-speed vertical machining center; Roku-Roku's RMX-50V; Mitsubishi's waterjet line; and the Consumable Products Group will showcase its line of OEM quality consumables.



IMTS Booth E-4920

Mitsubishi/MC Machinery Systems Inc.

Wood Dale, IL
mitsubishi-world.com



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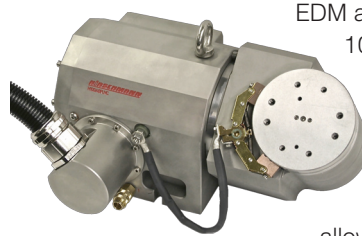


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INDEXING AND TILTING TABLE

Shown will be a stainless steel, submersible 2-axis tilting and dividing table used in the manufacture of complex workpieces in wire, vertical, and small hole



EDM applications. The A/B-axis is equipped with a 100mm diameter faceplate with mounting holes for fixtures and Hirschmann manual clampers, or, as an option, integrated air connections for pneumatic clampers. The A/B axis is programmed and driven by the Hirschmann controller H1625.AC2, which allows automatic sequencing by M-code (24V) to

the machine tool control. The NC program is generated via the keyboard or by downloading from a PC or machine control by using an RS232-interface.

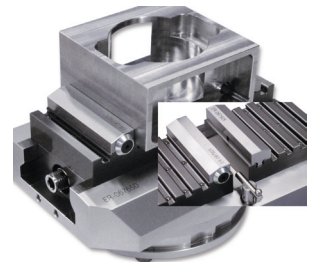
IMTS Booth E-4503

Hirschmann Engineering U.S.A. Inc.

Schaumburg, IL
hirschmannusa.com

SELF CENTERING VISE

The Self Centering Vise148 P/i, being introduced at IMTS 2010, features a flexible clamping range together with precise clamping function. To safely absorb the changing forces exercised by chip cutting, and to ensure that stability remains as high as possible, the pallet and the base body of the centering vise has been made from one single block.



IMTS Booth E-4517

Erowa Technology Inc.

Arlington Heights, IL
erowatech.com



LINE OF WIRE EDMs

The AP250L is a fine wire EDM that provides instantaneous servo time to maximize cutting efficiency. The AP series is used to EDM small intricate precision parts that require a micro-wire diameter. The AG400L and AG600L are high-precision, high-speed CNC wire EDMs. The AG series includes direct drive linear motors with Heidenhain absolute glass scale feedback; an

energy saving circuit to save on power consumption; motion controller to provide simultaneous axis movement; on-board user-friendly Heart NC cam system; and a rise fall work tank. Also on display will be the VZ300L and VZ500L linear motor driven wire-cut EDMs.

IMTS BOOTH E-4418

Sodick Inc.

Schaumburg, IL
sodick.com