

CNC MACHINERY FOR THE DIE & MOLD INDUSTRY



Performance Machinery LLC

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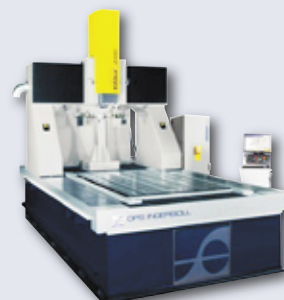
WIRE EDM



40 years of Mitsubishi Wire EDM innovative technology have brought us the brand new Mitsubishi MV Series Wire EDM. This advanced technology incorporates patented cylindrical, linear motors, glass scales, Fine Machining, 30-60% less wire usage & the latest adaptive generator technology for unsurpassed speed, accuracy & reliability.



These large capacity, high quality Sinker EDM machines feature unique, low electrode wear technology that is unprecedented and unequalled in the industry. High speed + high accuracy + extreme low wear = unsurpassed profitability in large capacity sinker applications. Saves 40- 50% in electrode usage and cost!



SINKER EDM

3-AXIS



Roku-Roku is Japan's oldest machine tool manufacturer, dating back to 1906. This extensive experience has taught them that the most important factor in achieving maximum performance is superior machine construction. Roku-Roku's vertical machining centers are hand-crafted and solidly built to the highest jig-borer standards.



HIGH SPEED MILLING



OPS-INGERSOLL developed the HSC machine HIGH SPEED EAGLE V9 Hi-production machine for uncompromising steel applications with greater flexibility, availability & unparalleled accuracy. With dbl.-gantry-dr., HSK Hi-torque spindles, direct-dr. 100 rpm C-axis, world-wide patented 3- to 5-axis capability, & iTNC 530 HSC HEIDENHAIN CNC Control the HIGH SPEED EAGLE V9 guarantees the ultimate in efficient hard-milling solutions.



5-AXIS

3-AXIS



The MC line of CNC Vertical Milling Centers offers 5 different models to choose from. Each model has several options for machine travel. All models are designed to accommodate industry specific needs. The spindle speed range starts at 8,000 RPM and goes up to 24,000 RPM. The machines are powered by Mitsubishi CNC Controllers and Servo Drives.



GENERAL MILLING



The LU Series are full featured 5-axis vertical machining centers designed to be compact & capable of handling up to 2200-pound workpiece with up to 35.5-in. table surface. The Heidenhain iTNC-530 control unit is mounted for optimal convenience with easy height adjustment. With both front & side opening doors, the LU Series lends its self to both manual & automated part loading & unloading.



5-AXIS

CNC LATHES



Hi-performance LT Series CNC lathes deliver the ultimate in rigidity - with 6in, 8in & 10in chuck sizes. The full-enclosure, FC30 Meehanite cast-iron design features a 30-deg. slant bed for excellent support to the spindle head, turret & tailstock with low gravity. Hi-precision linear guideways & rigid, servo-driven turret enable increased rapid travel speeds & smooth, heavy-duty cutting.



TURNING



The Eurotech B436Y2 Rapido offers up to 10-axis turn/mill machining with a 700 rpm main spindle, two 12 station fully Y-axis turrets, and a programmable "Super Shift" sub spindle. The Rapido delivers not only the super accurate, rigid cutting and complete parts in one-Op Eurotech Elite is famous for, but also a dramatic reduction of machining time.



CNC TURN/MILL CENTERS

EDM DRILL



Current EDM Drills specializes nicely in "higher-end" 5-Axis CNC EDM drilling machines designed for complex parts requiring five-axis positioning for multiple holes drilled at multiple angles. Common applications include turbine engine components, nozzle and spray apertures, medical parts and hydraulic valves.



CNC DEEP HOLE DRILLING and MILLING



Cheto CNC Deep Hole Drilling and Milling Machines are capable of Milling Complex parts, and Drilling holes up to 1-5/8" in diameter on compound angles. Thus, making Cheto Machines a great solution for completely machined Molds and Dies with cooling lines, while minimizing the amount of setups. Machines are available with a Tilting Ram of +/- 25 degrees and a Rotary Table with 360.000 degrees of rotation. An available Tool Changer maximizes lights out machining time.



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"The Value is in The Performance"

web: www.PerformanceMachineryLLC.com

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Performance Machinery LLC - Training Centers

EAST MICHIGAN TRAINING CENTER
- STERLING HEIGHTS -

WEST MICHIGAN TRAINING CENTER
- BATTLE CREEK -

5430 Gatewood Drive,
Sterling Heights, MI 48310

Kellogg Community College,
405 Hill Brady Road, Battle Creek, MI 49037



Performance Machinery LLC - 2017 TRAINING SCHEDULE

Beginner EAGLE PowerTec SINKER EDM Training

Class: Beginner 'Level 1' Eagle SINKER EDM Training



Featuring the OPS Ingersoll
Eagle 1200 Powertec CNC Sinker EDM
"Funkenerosion"

When: Oct. 9 - 10 - 11 - 12, 2017

Where: Sterling Heights Showroom

Time: 9:00 AM - 4:30 PM (Lunch Provided)



CLASS FULL

Eagle EDM Advanced "Funkenerosion" Technology Seminar!



Featuring: Andreas Fürschbach, SENIOR SINKER EDM APPLICATIONS ENGINEER, OPS Ingersoll Germany

Assisted by: Jim Wierdo, SINKER EDM APPLICATIONS ENGINEER of MC Machinery Systems

When: Tuesday, November 7, 2017 - 9am - 4pm

and Repeated for Your Convenience:

Wednesday, November 8, 2017 - 9am - 4pm

Where: Sterling Heights Showroom, 5430 Gatewood Dr.

What: LEARN the Latest Eagle EDM
SINKER TECHNOLOGY to OPTIMIZE Your OPS
Ingersoll EDM's Performance - Featuring the
OPS Ingersoll EAGLE 1200 CNC EDM!

Tasty Lunch Provided!

Call: 248-444-7981
for More Information
or to Register!

Beginner EAGLE PowerTec SINKER EDM Training

Class: Beginner 'Level 1' Eagle SINKER EDM Training



Featuring the OPS Ingersoll
Eagle 1200 Powertec CNC Sinker EDM
"Funkenerosion"

When: Dec. 12 - 13 - 14 - 15, 2017

Where: Sterling Heights Showroom

Time: 8:30 AM - 4:30 PM (Lunch Provided)



Midwest Mold, Roseville Michigan, Purchases **FIRST** CHETO Deep Hole Drilling and Milling Machine Sold in the USA!



Midwest Mold in Roseville, Michigan, has invested in the very first CHETO CNC Deep Hole Drilling and Milling Machine in the USA. The IX2000 7-Axis CNC Gun Drilling Machine with Milling capability was ordered in August 2017. Midwest Mold President/CEO John Hill will be visiting the beautiful new Cheto Manufacturing facility in Portugal to see the machines' completion in February. This revolutionary machine will be delivered March of 2018. Midwest Mold also invested in an Eagle 1200 CNC Sinker EDM from OPS Ingersoll, their third Eagle EDM! These investments are insuring the Competitiveness, Return-On-Investment and Longevity of Midwest Mold for many years to come.

CHETO IX2000



CHETO
CNC DEEP HOLE DRILLING WITH MILLING

LEARN MORE AT www.PERFORMANCEMACHINERYLLC.com