

Leading metal cutting solutions, specific to your needs.



CONCEPT™
Advanced Manufacturing Solutions

We're here to help you take manufacturing to the next level.

Whether you need a new piece of equipment, want to expand capacity, or solve staffing challenges, Concept has the answer.

With more than 45 years in business, we're the Midwest's leading source for advanced manufacturing solutions – leading the industry with our knowledge and comprehensive offerings toward a future that's increasingly automated.

Ready to take your operation to the next level?

Make. Measure. Automate.

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Milling Solutions

High Precision Machine Tools

Kitamura HMC'S, VMC'S & 5-axis

- 250mm - 1,000mm travel
- Boxways - 2,362 IPM
- 5-axis machining



Kitamura Machining Centers

- 5-Axis CNC machines
- 40/50 taper geared head models
- Bridge type designs
- Jig Boring
- Travels: 43" x 60", 43" x 80", 100" x 63.6", 120" x 63"



Milltronics VMC'S

- Conversational Control
- 40 & 50 taper VMC
- Open bed CNC mills



Milltronics Bridge 40 taper

- Inline 40 taper spindles
- Cross Roller Way design for rigidity
- Up to 35 HP spindles
- Travels 50" x 100" up to 80" x 200"



SMEC VMC'S

- Heavy-duty linear or box way construction
- 40/50 taper spindles
- Direct drive or geared head
- 24 & 30 tool magazine capacity
- Fanuc controls



Yama-Seiki Bridge Mills

- Double Column VMC's 40/50 Taper
- Production Bridge Mills
- 5-Axis Bridge Mills



Kira & Komatech VMC's & HMC's

- 10,000 - 24,000 RPM spindles
- 30 & 40 taper high speed milling
- Twin spindle vertical & horizontal pallet changers
- Fanuc controls



HERMLE 5-axis Machining

- High Speed 5-Axis patented design
- Heidenhain & Siemens Controls
- Die/Mold, Aerospace/Mill/Turn
- US Headquarters - Franklin, WI



OPS INGERSOLL 5-axis Hard Milling

- 5-Axis High-Speed Graphite Milling
- Heidenhain CNC Controls



ROKU-ROKU Graphite and Hard Milling

- Graphite Machining
- High-Speed Hard Milling & Micro Machining



Turning Solutions

High Precision Machine Tools

Milltronics CNC Lathes

- CNC Slant Bed w/ Conversational Programming
- Manual CNC Flat Lathes up to 50" Swing



SMEC CNC Lathes

- High accuracy, high rigidity
- Box way & linear guide options
- Y-Axis & sub-spindle available



STAR CNC Swiss-Type Lathes

- 7mm - 51mm
- Sub-spindle with fixed/live tools
- Full B-axis models
- Slide and turret configurations
- Japanese precision



SMEC CNC VTL's

- 12", 15", 18", 24", 32" chuck
- 12 station turret with 1" turn tools
- Box way construction
- Fanuc Oi-MFcontrol



Fuji CNC Turning

- High production
- Automation ready
- Fanuc CNC controls
- Robotic loading twin spindle lathes



Takamaz CNC

- Auto loading box way precision CNC lathes
- Shaft loading twin spindle CNC lathes up to 27" length capacity
- Twin turret, twin spindle bar fed CNC lathes



Robotics Automation



FANUC

- FANUC robotics
- Automation cells
- Turnkey applications
- Workholding fixtures
- Custom solutions
- Complete solutions
- Load assist



HALTER

- Halter Load Assistant
- 3R Work Pal & Work Partner
- Erowa Robot Compact & Robot Easy
- RFID Capable

Grinding and EDM Solutions

Mitsui Grinders

- Manual Surface Grinders
- Surface Grinders up to 16x32"
- PC Based CNC Form Grinders



Mitsubishi Wire and Sinkers

- CNC Wire & Sinker EDM
- Cylindrical Drive Technology
- Ingersoll Large Tank CNC Sinkers



Chevalier Grinders

- Manual Surface
- Hydraulic 3-Axis Surface
- CNC Smart Series Surface/Form
- Cylindrical, Manual

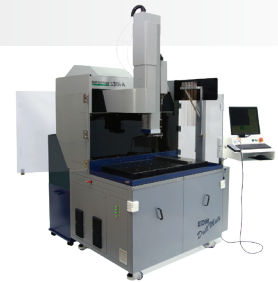
CHEVALIER



EDM DrillMate

- Manual EDM Drills
- CNC EDM Drills

EDMDrillMate



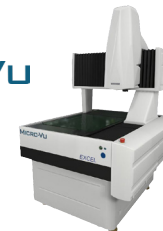
Weldon/Shigiya Grinders

- Advanced Grinding Technology
- Cylindrical, CNC ID/OD
- Verticals / Horizontals
- Non Round/CAM
- Turnkey Solutions



Metrology & Additive Mfg.

MICRO-VU



ZEISS

Service: The most important concept of all.

We're committed to supporting you with the service you expect — so you can minimize downtime and maximize productivity on your machine tools and metrology equipment.

- High-priority responsiveness to unplanned repairs
- Preventive maintenance programs
- Calibration, including laser and ballbar
- Applications support and training, pre- and post-sale
- Measurement and turnkey programming services



Proud to serve the upper Midwest

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