

Leading metal cutting solutions, specific to your needs.



CONCEPT™
Advanced Manufacturing Solutions

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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.

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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



Takumi H Series Bridge Mills

- Inline 40 Taper 15K RPM Spindle (43 HP)
- Cross Roller-Way Design for Rigidity
- Travels:
 - 40" x 27.5" x 19.69" (H10)
 - 53" x 37.4" x 23.6" (H12E)
 - 63" x 51" x 27.56" (H16)



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



MECTRON VMC & Six-Sided Machining

- 10,000 or 12,000 RPM Spindles
- 30 & 40 Taper High-Speed Milling
- Pallet Changer and Gantry Loading VMC's
- 3" Bar Horizontal Six-Sided Machining with 3K Turning



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-MF Control



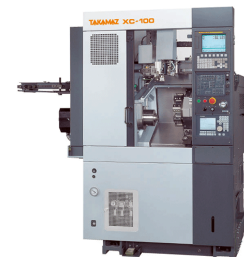
Fuji CNC Turning

- High Production
- Automation Ready
- Fanuc CNC Controls
- Robotic Loading Twin Spindle Lathes



Takamaz CNC Lathes

- 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



Horizontal Boring and Milling

- Table Types (50 Taper)
- Floor Types 5" & 6"
- Facing Centers



Robotics Automation

- FANUC Robotics
- Automation Cells
- Turnkey Applications
- Workholding Fixtures
- Custom Solutions
- Complete Solutions
- Load Assist



Grinding, EDM & Tool Room Solutions

Mitsui Grinders

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



Mitsubishi Wire & Sinkers

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



Chevalier Grinders

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

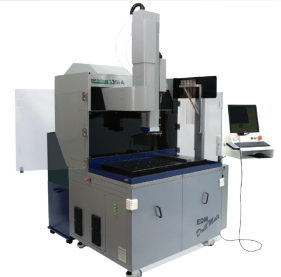
CHEVALIER



EDM DrillMate

- Manual EDM Drills
- CNC EDM Drills

EDMDrillMate



Tool Room & Saws

Builders:

- Lagun - Lathes and CNC Mills
- Sharp - Lathes and CNC Mills
- Wellsaw Saws
- WF Wells Saws



W.F. WELLS



Metrology

MICRO-VU



Starrett



ZEISS



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Proud to serve the upper Midwest

Concept Wisconsin: 407 Austin Circle, Delafield, WI 53018, saleswi@conceptmachine.com