Leading metal cutting solutions, specific to your needs.

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 HMC’S, VMC’S & 5-axis](image1)

### 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"

![Kitamura Machining Centers](image2)

### Milltronics VMC’S
- Conversational Control
- 40 & 50 taper VMC
- Open bed CNC mills

![Milltronics VMC’S](image3)

### 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”

![Milltronics Bridge 40 taper](image4)

### 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

![SMEC VMC’S](image5)

### Yama-Seiki Bridge Mills
- Double Column VMC’s 40/50 Taper
- Production Bridge Mills
- 5-Axis Bridge Mills

![Yama-Seiki Bridge Mills](image6)

### 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

![Kira & Komatech VMC’s & HMC’s](image7)

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

![HERMLE 5-axis Machining](image8)

### OPS INGERSOLL 5-axis Hard Milling
- 5-Axis High-Speed Graphite Milling
- Heidenhain CNC Controls

![OPS INGERSOLL 5-axis Hard Milling](image9)

### ROKU-ROKU Graphite and Hard Milling
- Graphite Machining
- High-Speed Hard Milling & Micro Machining

![ROKU-ROKU Graphite and Hard Milling](image10)
### 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 0i-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 robotics
- Automation cells
- Turnkey applications
- Workholding fixtures
- Custom solutions
- Complete solutions
- Load assist
- 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

**EDM DrillMate**
- Manual EDM Drills
- CNC EDM Drills

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

**Metrology & Additive Mfg.**

**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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