

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?

Milling Solutions

High Precision Machine Tools

Kitamura HMC's

- 330mm - 1,400mm travel
- Linear & box ways - 2,362 IPM
- Full 4th axis rotary table
- Expandable ATC option pallet pool



Kitamura VMC's

- 762mm - 1,530mm travel
- Linear & box ways - high speed rapids
- Both C-frame and large travel bridge style options
- Available with integrated pallet changer



Kitamura 5-axis

- Ultra-high precision simultaneous 5-axis machining
- Positioning accuracy: $\pm 0.000079''$, Repeatability: $\pm 0.000039''$
- Compact design



SMEC VMC'S

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



Milltronics Milling

- Conversational Control
- 40 & 50 Taper VMC
- Models with open Bed CNC Mills
- Bridge VMC's



KIRA America VMC's & HMC's

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



Full turn-key automated solutions

FANUC

Concept is a FANUC Authorized System Integrator (ASI)

- Part and material handling including machine tending, bar feeders, finished part management
- Integrated automation
- Complete automation solutions including cell management
- Turn-key solutions including equipment selection, programming, tooling, work holding, run-off, validation, quality and inspection, etc.



Turning Solutions

High Precision Machine Tools

INDEX Production Turning

- High-volume, high-production turning:
- Turn-mill centers (B-axis)
- Turn-grind centers
- Multi-turret lathes
- Multi-spindle solutions (6 or 8)



INDEX

Star CNC Swiss Type Lathes

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



star
PERFECTION IN MOTION

SMEC Horizontal & Vertical Lathes

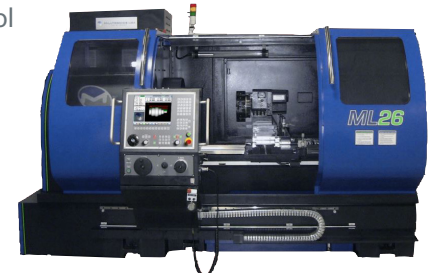
- High accuracy, high rigidity
- Box way & linear guide options
- Y-Axis & sub-spindle available



SMEC
SMEC AMERICA CORP

Milltronics Toolroom Turning

- Conversational Control
- Live tooling option
- Flat and open style frame
- Slant bed lathes



MILLTRONICS USA
LET'S INVENT

Fuji Turning

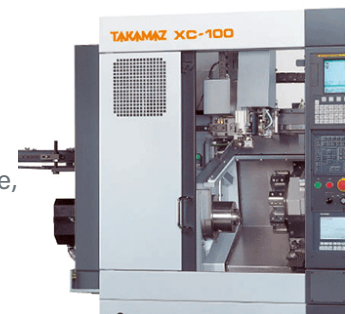
- High production
- Automation ready
- Fanuc CNC controls
- Available with robotic loading twin spindle lathes



FUJI

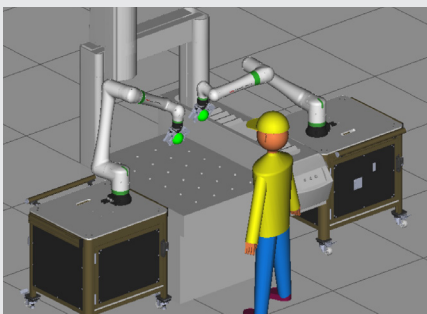
TAKAMAZ Lathes

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



TAKAMAZ

Quick Cart FANUC Cobot Automation



- 20 KG payload FANUC CRX-20iA/L
- Mobile Platform for easy transport
- Ethernet IP air valve bank - includes two valves
- Includes discrete I/O
- Electrical cabinet with knockouts and extra power
- Programming and operator training included
- Many options available, including custom configurations

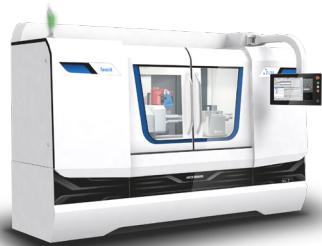


Grinding and EDM Solutions

UNITED GRINDING North America

High-precision grinding

- Cylindrical grinding
- Tool grinding & measuring
- Surface & profile grinding



- Manual surface grinders up to 16x32"
- Japanese quality and precision



CHEVALIER

Manual, semi-automatic and automatic surface grinders.



EDM DrillMate

- Manual EDM drills
- CNC EDM drills

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



Training: Partnering for your success.

Concept can help and conducts regular training classes for small groups in our world class training facility, away from the distractions of your shop floor, but hands on and using the same software, equipment and terminology you use at your facility. For more details and a list of training classes, visit our website.

Proud to serve the upper Midwest

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