MILL/DRILL/TAP CENTERS

ULTRA HIGH SPEED PRODUCTION MILL/DRILL/TAP CENTERS

SEIKI KM SERIES
High-Speed Vertical Machining Center

SEIKI KT SERIES
Milling and Tapping Center

CNC Mill/Turn Machines are multi-tasking, multi-function CNC machines used for producing complex workpieces in one operation. These machines are capable of turning a workpiece and applying rotating tooling operations such as milling and cross-drilling. A part requiring a variety of operations can be machined in one setup, particularly if a sub-spindle allows the part to be passed from one spindle to another during machining, essentially machining two parts simultaneously. All these processes combined in one complete cycle allows for faster part making, higher accuracies (no re-chucking), and less set-up times. Absolute’s CNC mill/turn centers offer these advantages at very affordable prices.

DOUBLE-SIDED MACHINING

Double-Sided CNC milling machines for production squaring and chamfering of square and rectangular blocks. 6 models from 480mm to 1600mm square.

YOU JI DSM-1200
YOU JI DSM-800

THE HOLE SOLUTION IN DEEP HOLE DRILLING

Micro hole gun drilling, 1 and 3 axis gun drilling, skiving & burnishing, button & cut drilling, reaming, deep hole mold/te, facing/centering/chamfering, honing & lapping, and BTA drilling for large components.

PRECHOLE GVN262-100
1-4 Spindle Gun Drilling, Reaming & Riffing for Gun Barrels

PRECHOLE XYGN25
Deep Hole Drilling for Mold/Die

PRECHOLE 3-AXIS COLUMN TYPE
Gun Drilling or BTA Drilling for Large Components

MILL/TURN CENTERS

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TONGTAI TMS SERIES
B-Axis, Tool Changers and Lower Turrets

YOUUI VM-1000-Y
3-Axis 5-Face Machining Center with Vertical Turning and 32 Station ATC

DEEP HOLE DRILLING

THE HOLE SOLUTION IN DEEP HOLE DRILLING

MITSUBISHI LOADMATE PLUS™
Machine Tending Plug + Plug Outs

PRODUCTIVE ROBOTICS
OB7 Cobs

MILL/TURN CENTERS

AN EMPLOYEE-OWNED COMPANY

APPLICATIONS ENGINEERING,
FIELD SERVICE & CUSTOMER SUPPORT

• Preventive Maintenance Programs
• Comprehensive Training
• ISO Certified Inspection Reports
• Pitch Error Compensation Reports
• Servo Tuning & Backlash Reports
• Machine Squaring & Levelling
• Accuracy Maps

OUR PARTNERS

MITSUBISHI LOADMATE PLUS™

MITSUBISHI ELECTRIC AUTOMATION, INC.

COGNEX
Vision Systems

OUR PARTNERS

AN EMPLOYEE-OWNED COMPANY

PRODUCT LINE

Lorain, OH - Corporate Headquarters

Lorain, OH (HQ)
7420 Industrial Pkwy, Lorain, OH 44053

Livonia, MI
36291 Schottcraft Rd., #104, Livonia, MI 48150

Mason, OH
7944 Innovation Way, Mason, OH 45040

Toll Free: 800.852.7825
Website: absolutemachine.com
Email Us: sales@absolutemachine.com
SCAN THE QR-CODE TO LEARN MORE

MASON, OH

LORAIN, OH (HQ)

LIVONIA, MI

MONTREAL, QC

AN EMPLOYEE-OWNED COMPANY

Cost-Effective Engineered Solutions - Guaranteed!
HORIZONTAL MACHINING CENTERS

4-5 axis high volume, 400mm - 1250mm pallets and heavy-duty combination tables.

VERTICAL MACHINING CENTERS

Absolute offers a variety of verticals for any application or size such as 3-5 axis production models, multi-tower 40 & 50 taper HSK-63A & 100A, graphics, twin spindles, high speed, and milling & tapping centers.

HORIZONTAL BORING MILLS

Our heavy-duty high horsepower table and floor-type boring mills can be customized to accommodate the largest & heaviest workpieces.

HEAVY DUTY LATHTES

Stain-less steel, 45° and 60° tilt-type, swing up to 61° and turning lengths up to 320” available. Flat-beds with 4 bedways up to 100” swing and 720” bed length.

AUTOMATED & PRODUCTION TURNING

Absolute has a variety of automated turning solutions in both single and twin spindle configurations with integrated loaders and built-in pallet stocker systems, as well as integrated robots and gantry loading systems.

MULTI-AXIS TURNING

Gain a competitive edge, reduce labor, slash set-up times and increase RDI with Absolute’s high-precision, high-speed CNC lathes. Our CNC lathes range from 6-10” chucks, linear and box way construction, 30°/45°/75° slant bed designs, multi-tasking, multi-turret, sub-spindle, B-Axis, and tool changer designs. Our applications engineers will work with you to provide turnkey solutions that fit your production needs.

VERITCAL TURNING CENTERS

8” to 315” chucks and everything in between. Single or dual RAMs, fixed or movable rail, side heads, wheel turning, inserted spindles, integrated pallet changers, and 3-5 axis 5-face mill/mturn vertical lathes. Many models available with Yasui, Nexus, and Nexturn 6-axis integrated robots that can automatically load, unload and turn over parts weighing up to 13 pounds, and an optional multi-tray pallet system enabling unattended operations.

PRECISION MACHINED PARTS

NEXTURN SA-20B

NEXTURN SA-20/38 P-PY

AUTOMATED & PRODUCTION TURNING

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CNC MULTI-SLIDE SCREW MACHINES

For nearly 40 years LICO has manufactured multi-slide, multi-axis, CNC screw machines and mill/turn centers. Offering up to 4 X-2 Z steps that slide work simultaneously and an 8 position turret and either turret mounted or independent counter spindles. These machines are available in spindle sizes from 36mm to 100mm. Our precision turned parts’ applications engineers are capable of configuring the right combination of features and options to maximize your production needs.

HEAVY DUTY LATHTES

Stain-less steel, 45° and 60° tilt-type, swing up to 61° and turning lengths up to 320” available. Flat-beds with 4 bedways up to 100” swing and 720” bed length.

CNC MILL/TURN CENTERS

Quick-Tech offers multi-axis and auto-loaded fixed headstock turning centers for precision small parts production. These machines come in various configurations offering features such as twin slide turning with live milling and dual 360° Y & B-axes with up to 10 total axes and 40 tools. The Quick-Tech mill/turn centers also offer compact models with a full 8-axis head and automatic tool changer for small, complex parts. The Quick-Tech Robo features an Integrated Mitsubishi 6-axis integrated robot that can automatically load, unload and turn over parts weighing up to 13 pounds, and an optional multi-tray pallet system enabling unattended operations.

DIE SINKERS & HOLE DRILLERS

RAME-type sinkers in either basic ZNC or full CNC configurations from 12” x 10” x 14” to 100” x 40” x 24” travels. EDM drills in both basic ZNC or full CNC, moving head configurations from 15.75” x 11.81” x 15.75” to 27.75” x 19.48” x 23.62” travels.

CNC WIRE EDM

5-axis machines from 16” x 12” x 8” to 55” x 32” in both linear shaft motor and ball screw versions. Submerged & flushing models available in both moving table and moving column designs, all equipped with AccuteX’s own Windows CE based control and patented annealing wire threader... The most reliable wire threader on the market today... present!