

CUTTING TOOLS

Serving the U.S. Manufacturing Industry for Over 50 Years



TOOL HOLDING

WORKHOLDING

SCHUNK SUPERIOR CLAMPING AND GRIPPING

- Quick-change pallet system
- Zero point precision
- Maximum rigidity
- Zero maintenance

PAWS WORKHOLDING PRODUCTION READY MADE IN THE USA

- Multi-vise Fixture Plates locate on top of the PAWS Hydraulic Base Unit
- Ideal for Vertical CNC production milling applications or pallet switching
- Designed for quick changeovers

ORANGE VISE COMPANY PRODUCTION READY MADE IN THE USA

- Single and Dual Station CNC Machines Vises
- Machinable Quick-Change
- Soft Jaws
- Quick-Change Fixturing Solutions

NORTHFIELD HIGH PRECISION MADE IN THE USA

- Precision Air Chucks
- Balancing Chucks
- Precision Collet Chucks
- Diaphragm Chucks
- Special Application Workholding

LIN & HOWA POWER CHUCKS FOR TURNING

- 4" to 15" Manual and Power Self Centering or Independent Jaw Draw Back
- 2 to 4 Jaw

TSG MADE IN USA, MADE FOR MILLING

- Tombstone Workholding & Clamping Solutions
- Customizable Workholding & Clamping Solutions
- Angle Plates
- Modular Vises
- Cast Sections

WORLD LEADER IN CUTTING TOOLS

- Threading-Drilling-Milling-Indexable
- From Light Production to High Production
 - Easy or Difficult to Machine Materials
 - A Cutting Tool for Every Application

LUNGLOU NTK LEADING EDGE PERFORMANCE

- Extensive Line-up of Turning, Milling, and Drilling Products
- Various Grades Various Dimensions and Chip Breakers
 - Fully Supporting the Machining Needs of Customers in a Wide Variety of Industries

KENAMETAL AMERICA'S MOST POPULAR — FULL LINE CUTTING TOOLS

- Hole-making and Finishing Tooling Systems
- Drilling
 - Boring
 - Reaming
 - Turning
 - Tapping
 - Custom Tooling

KYOCERA HIGH PERFORMANCE CUTTING TOOLS

- Facing Tools
- Heads
- Grooving Tools
- Tool Inserts
- Milling Cutters
- Indexable
- Solid Carbide
- Drilling
- Reaming
- Milling
- Engraving

ALLIED MACHINE LEADERS IN HOLE MAKING TECHNOLOGY

- Hole-making and finishing systems
- Drilling
 - Boring
 - Reaming
 - Threading
 - Burnishing
 - Custom Tooling

MIKRON TOOL CRAZY MIKRON TOOL QUALITY

- Smallest Flexible carbide drill with integrated cooling
- Flexibility deep hole drilling

UNION TOOL CO. UNIMAX CARBIDE END MILLS

- Excellent Performance in High Speed Milling
- Extensive Product Line Starts With Micro Diameters

VEGA HIGH QUALITY COST EFFECTIVE TAPPING TOOLS FOR EVERY MATERIAL

- EXCLUSIVELY AVAILABLE

MAPA INNOVATE CUSTOM TOOLING SOLUTIONS

- Reaming
- Boring
- Countersinking
- Milling
- Turning
- Clamping
- Actuating
- Setting
- Measuring
- Dispensing
- NC and CNC Multi Heads

INTERNAL TOOL EXPANDING YOUR TOOLING POSSIBILITIES

- Custom Mill & Lathe Carbide Tools
- Dovetail Cutters
- Engraving

LIN LYNDIX-NIKKEN HIGH PRODUCTIVITY ADVANCE TOOLHOLDERS

- Precision Tool Holders
- High Precision SK Collet Holder
- Taper Plus Holder
- End Mill Holders
- High-Performance Milling Chuck
- Most Accurate and Precision Collet

NT TOOL COST EFFECTIVE ER COLLET HOLDERS - MEVIUS SERIES

- Superior Clamping and Gripping Force
- High Accuracy 4d+0.0002"
- Rust Proof Black Coating

BIG HIGH PERFORMANCE TOOL HOLDERS ORIGINAL "BIG-PLUS" TECHNOLOGY

- Increased Rigidity
- Greater Accuracy
- Reduced Runout
- Longer Tool Life

REGO-FIX SUPERIOR TOOL CLAMPING COLLET SYSTEMS

- for milling / drilling / tapping / reaming / finishing

WTO TURNING HOLDERS

- Static Precision Toolholders
- Quick Change System
- Broaching Unit for Keyways and Splines
- Gera Hobbing Unit
- Power Skiving Unit

KENAMETAL AMERICA'S MOST POPULAR FULL LINE TOOLING MANUFACTURER

- Reaming
- Fine boring
- Drilling
- Boring
- Countersinking
- Milling
- Turning
- Clamping
- Actuating

MST SLIMLINE SHRINK-FIT HOLDER PROVIDES THE PERFECT SOLUTION

- SLIMLINE Shrink-Fit Holders
- No Over Heating
- Strong Clamping Force
- High Rigidity and Superior Accuracy!

HAIMER WORLD LEADERS IN:

- Innovative Ultra-Precision Tool Holding
- Shrink Tooling Systems Tool Setting
- Balancing Systems
- Performance Cutting Tools

SCHUNK INNOVATIVE HYDRAULIC EXPANSION TECHNOLOGY

- Highest performing hydraulic tool holder
- Excellent vibration damping
- Direct clamping

MD tooling PRECISION LIVE AND STATIC TOOLING FOR TURNING

- Adj. Angle tool holders
- Boring Bar Holders
- Broaching/ Slotting
- Reduced Runout
- Gear Hobbers
- Driven Tool Holders

ENVIRONMENTAL MANAGEMENT & COOLANT SYSTEMS:

Serving the U.S. Manufacturing Industry for Over 50 Years

MEASURING EQUIPMENT

ROTARY TABLES

AMANO Environmental
MIST COLLECTORS

- High Performance
- Filter and Filter-less Model
- Designed to Suit Many Needs

Donaldson Torit
CENTRAL SYSTEM MIST COLLECTORS

- 3 in 1 Solutions for Mist Applications
- Configurations for Ducted Central Systems
- UL-Approved Electrical components
- Quiet Operation

Mitutoyo
WORLD LEADER IN METROLOGY
Innovative Precision Measurement

Solutions: CMMs, Form, Roundness, Vision and Surface, Inspection Calibration Services

HEXAGON
INDUSTRY LEADING TECHNOLOGY CMMs

- Laser Tracker Systems
- 3d Laser Scanners
- Portable Measuring Arms
- Machine Tool Measurement
- Profile Surface Measurement

brother
SPEEDIO T-200A Rotary Table
ENHANCE YOUR SPEEDIO CAPABILITIES

FAST AND RELIABLE PERFORMANCE

YUKIWA
BROTHER SPEEDIO COMPATIBLE ROTARY TABLES

Multi-Axis Tables
Production Performance

DIRECT DRIVE ROTARY TABLE

CNC TILTING ROTARY TABLE

NOP Create the New Stream!
Nippon Oil Pump Co., Ltd.
HIGH PRESSURE CTS PUMP
Filter Pump Kit Module for brother SPEEDIO Series

LMS
High Pressure CTS Systems

- Bar Feeders
- High Pressure
- Mist Collectors
- Chip Conveyors
- Coolant Management

Chip BLASTER

HAIMER
MODULAR BALANCING TECHNOLOGY

- Tool holder Dynamic Balancing Machine
- Precision Balancing for Enhanced Performance

KP KOMA PRECISION
KOMA PRECISION TOOL PRESETTERS

- Vision Accuracy and Performance
- Flexible Configurations Available
- Large Range of Models
- Easy to Use Powerful Software

SANKYO AUTOMATION
ROLLER GEAR DRIVE ROTARY TABLES

Open-End Design, Compact, High-Speed, exceptional Position Accuracy, and Repeatability. Good for Complex Shapes.

KP KOMA PRECISION
TWA AND TBS SERIES
High Speed Tilting Ball Drive Rotary Table

mayfran INTERNATIONAL
INDUSTRY LEADING COOLANT AND CHIP MANAGEMENT

- Chip Conveyors
- Advanced Filtration Systems
- Chip Processing and Removal Solutions

JET STREAM PUMPS
High Pressure Coolant Systems
HIGH PRESSURE CTS

RENISHAW apply innovation™
INDUSTRY LEADING TECHNOLOGY

Spindle Probes
Tool Setters Contact / Contact-less
Measuring Solutions

BLUM
GERMAN PRECISION TECHNOLOGY
Spindle Probes

Tool Setters Contact / Contact-less
Measuring Solutions

LNE LYNDIX-NIKKEN
brother SPEEDIO compatible Rotary Tables

INDUSTRY LEADING MULTI-AXIS TABLES
PRODUCTION READY

5AX-TILT TABLES

MULTI-SPINDLE

MARPOSS
PRODUCTION OD GRINDING

- In Process Gages
- Tool Setting
- Length Measurement Systems
- Gap Elimination

SES DYNAMIC BALANCE SYSTEM
PRODUCTION OD GRINDING

- Dynamic Wheel Balancing Systems