High Speed Horizontal Maching Centers for High Precision and Maximum Productivity

Accessories for NHX Series

Top products for peak performance

Comprehensive solutions in peripheral equipment for high productivity!
DMG MORI Qualified Products

Your **optimal source** for accessories!

+ **Comprehensive solutions** for high productivity
  
  Additional Axis  
  Chip Removal  
  Coolant Systems  
  Measuring  
  Tooling  
  Workholding  

+ **Pre-engineered accessories** and technical support  

+ Competitive pricing  

+ **2-year warranty** on all products

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**ISCAR - Universal Product**

Tool Management System: Matrix Mini | Matrix Maxi

+ Stored items in Locked bins, Electronically Controlled by the (Matrix-TM)  
+ Standard Customizable Configurations  
+ Total Tool Management System to Control Inventory, **Streamline Purchasing and Drive Down Costs**

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**Haimer - Universal Product**

Balancing System: Tool Balancer

+ **Simple and Accurate Balancing System** for Tool Holders, Grinding Wheels, etc.  
+ Less Wear on Spindle Bearings of Machine, Better Surface Finishes, Longer Tool Life, Higher Speeds for **Improved Productivity and Improved Precision**  
+ Protect Machine, Improve Process Reliability and Optimize Machining Efficiency

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**Haimer - Universal Product**

Shrink Fit Technology: Induction Shrink Fit Machine

+ Enabling Tool Changes in Seconds with **Highest Degree of Repeatable Runout (0.00012")**, Balance  
+ The PC Comfort NG Machine: **Rapid Tool Changes with Multiple Holders**. The Intelligent NG Coil Eliminates the need for cumbersome stop discs, Making it Fast & Easy to Change Tools from 1/8” to 1-1/4”  
+ Integrated Cooling System means Tools are Cooled Perfectly in Only 30-45 Seconds
ATS Systems CoolJet - Coolant Systems
Coolant Unit: 70-36V Series

+ Pressure - 300psi/20bar to 1,000psi/70bar Automatic Variable Volume (8gpm/30lpm)
+ 5 Micron Dual Filtration Quick Change in Seconds making long stringy chips smaller and manageable
+ Longer Tool life by 16x, Higher Speeds/Feeds by 10x, Improved Part Finishes & Overall 30% Productivity Increase
+ Integrable 2-ton Chiller and/or 850 cfm Mist/Smoke Collector Mounting saves on

ChipBLASTER - Coolant Systems
Coolant Unit: JV-40 Series

+ 1000psi, variable flow 2-10 gpm automatically adjusts based on tool orifice. 100 gallon tank and SkimBLASTER mounted oil skimmer. Touch screen user friendly HMI
+ Add a ChipCHILLER 34,000 BTU coolant chiller and/or MistBLASTER mist collection system to the high pressure coolant unit without needing additional floor space
+ Add Cyclone Filtration and replace bag filters. Filter to 2 micron. 95% efficient at 5 micron. Suggested Sludge Tank for use with Cyclone Filtration captures the sludge discharged from the cyclone filter unit and removes if from the machine tool sump with 99% efficiency

Blum-Novotest - Measuring
Roughness Gauge: TC63-RG | TC64-RG

+ Evaluation of surface roughness in original fixture for early detection of poor surface quality
+ Roughness measurement taken on a milling, turning or grinding machine to minimize rejects by allowing immediate rework
+ Improve productivity and process reliability by elimination of manual and downstream tests
+ Can be used as roughness gauge or touch probearise from incorrectly entered tool values

Blum-Novotest - Measuring
Probe Device: Part | Table | Laser Tool Probe

+ Reduce part setup time by touching off part geometries, record workpiece location and orientation within the machine tool
+ Contact Solution for Measuring Tool Length, Radius, and Detecting breakage
+ Non-Contact Monitoring Tool Breakage/Wear for Tool Length/Radius which updates Tool Offsets Automatically
+ Recording these values requires no operator input once executed, avoiding errors that common arise from incorrectly entered tool values
**ZEISS Industrial Metrology - Measuring**

**ZEISS DuraMax:** Measuring equipment for the shopfloor

- Coordinate measuring technology for production that eliminates the need for fixed gauges
- Temperature stability from +15°C to +40°C, completely covered guideways and no compressed air required
- Space-saving design, with four-sided loading
- Equipped with the VAST XXT scanning sensor, ideal for capturing contours and freeform surfaces

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**BIG KAISER - Tooling**

**BIG-PLUS I** Serialized Pull-studs

- BIG-PLUS Dual Contact Spindle system is available on all NHX Series machines, improving toolholder rigidity and accuracy
- BIG KAISER is the original source for BIG-PLUS, offering the largest range of tooling options
- Starter kits, tooling certificates, and tooling packages available for increased savings
- Exclusive Pull-studs for NXH series made from a premium grade of tool steel ensures best accuracy and safety

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**Magnescale - Measuring**

**Probe Device:** (Table) Touch sensor: TS6GH2-5N1C

- Tools length measurement and tool breakage detection in machine. Minimize machine stopping time and achieve high precision machining
- Enables bi-directional detection of tools length and tool diameter. Low measuring force allows small diameter tools to be used (Low measuring force: 1N). High repeatability ±1µm or less
- Over travel detection signal function to avoid the sensor breakage. Visual confirmation with status LED to confirming the operation of the sensor easily

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**Renishaw – Measuring**

**Probe Device:** PowerProbe Solutions: OMP40/400/60/600 | RMP60/600

- Spindle probe solutions for Automated Part Set-up, In-process control and Post-process verification
- Kinematic solutions designed for conventional measuring applications or strain gauge solutions for 3-dimensional/high performance surface measurement
- Optical and radio transmission options ensure interference free transmission
- Faster than manual set-up methods delivering an Immediate Cost Savings.
Lyndex Nikken - Tooling
SK Tooling System

- **8° versus 16° collet taper**: twice more gripping power than ER Collet Chucks.
- **Accurate**: twice more accurate than ER Collet Chucks, within 10 times better repeatability
- **Extremely Precise**: 0.00012” or less concentricity guarantee on-size collets all the time. **TiN Bearing** allows for more thrust load on the collet while preventing additional runout associated with collet twisting
- **Fine adjustment back up screw and chamfered teflon tip creates additional seal for 1000PSI+ coolant through applications**

Sandvik Coromant - Tooling
Versatile, Productive Milling, Boring and Hole Making Solutions

- CoroMill milling cutters for facemilling, shoulder milling, slot milling and profile millings with insert grade technology optimized for material and application
- Holemaking and Precision Boring solutions featuring innovative insert technology, replaceable tip drill productivity and broad rough/fine bore application range
- **Smart Tooling Certificate** program provides simplified, flexible tooling selection and order process, by product and by application

SECO – Tooling
Increasing your productivity

- Extensive range of over 30,000 products, providing technology solutions for all sizes and scopes of metal cutting applications, supported by 180 dedicated specialists in North America.
- Our approach supports every aspect of your production, including tooling, machining strategy, material optimization, fixturing, inventory management and technical education.
- To support a new installation Seco offers a discounted tooling certificate program available through DMG MORI. Seco engineers will personally guide you through selection of the right tooling to get the best from your new machine.

SCHUNK - Workholding
Pallet System: NSL + | Chuck: ROTA-S + | Vice: KSC

- Quick Change Pallet System for **Faster Set Ups** - Quick Part Changeover with Micron Precision
- Quick Change 8” Manual Chuck for Holding Round Parts in a Mill - With Quick Jaw Change System, Serrated Jaws can be Changed Within Minutes with **High Repeat Accuracy**
- Self Centering Vice with 5” Jaws for Raw and Finished Part Machining - Repeat Accuracy of Up to ±0.01mm, Flat Design, Large Clamping Range
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+ Chip Removal
+ Coolant Systems
+ Measuring
+ Monitoring
+ Tooling
+ Workholding

Pre-engineered accessories and technical support

Competitive pricing

2-year warranty on all products

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