

Metrology Division

CONCEPT MACHINE TOOL SALES

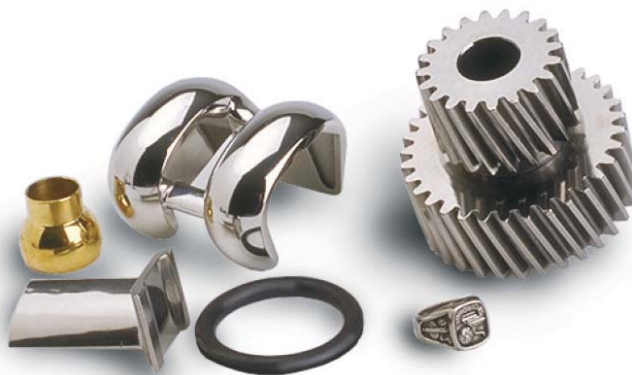
Product Spotlight



The INDUSTRY WORKHORSE IN HIGH-ENERGY FINISHING & DEBURRING

High Speed and Versatile For Any Finishing Application

The HZ Series Finishing Machines are the most economical, high speed finishing equipment available. The variable frequency speed control permits fine finishing and polishing at slower speeds and aggressive deburring and edge radiusing at higher speeds. Four barrels are mounted at the periphery of a large turret. Each barrel is loaded with media, parts and water to approximately 50% to 90% full.



Hand finishing operations can now be efficiently and economically automated with the HZ series machines. Results with this centrifugal barrel finishing equipment are consistent and predictable, every time!

Removable Liners Standard on all machines

These durable, long-life liners are supplied with 1/4" wide divider slots spaced on 1" centers to accommodate a wide variety of product sizes and other unique finishing requirements. Resulting in maximum efficiency per run. Liners can be easily removed and replaced by removing a few screws.



Model	Total Volume	Barrel Dimensions	Overall Dimensions	Motor HP
HZ-12	.4 cubic feet	8 1/2" L x 5" diam.	34"W x 30"L x 30"H	1 hp
HZ-30 2S	1 cubic foot	9-3/4"L x 5 7/8" diam.	47"W x 38"L x 49"H	3 hp
HZ-40	1.4 cubic feet	12 3/4"L x 6 7/8" diam.	47"W x 37"L x 49"H	3 hp
HZ-80	2.6 cubic feet	16"L x 8 1/2" diam.	56"W x 54"L x 76"H	7.5 hp
HZ-120	4.0 cubic feet	17 1/4" L x 10 1/4" diam.	66"W x 54"L x 76"H	10 hp
HZ-160	5.5 cubic feet	20 3/4"L x 12" diam.	70"W x 54"L x 76"H	15 hp
HZ-220	6.8 cubic feet	27 1/2"L x 11 1/2" diam.	75"W x 54"L x 76"H	15 hp
HZ-330	10.5 cubic feet	42"L x 12" diam.	90"W x 56"L x 80"H	25 hp



Send in your parts for a free finishing and deburring evaluation!

HZ Series Centrifugal Barrels
Media & Deburring Solution Sold Separately

Speed and accuracy are not contradictory.



Contura G2 navigator

compensates for the variations caused by dynamic influences, thus enabling a significant increase in scanning speed and shorter measurement time. It optimizes travel and measurement movements. Get superb VAST XT Gold probe mechanical properties, object-optimized CALYPSO software, and the scanning engine with look-ahead interpolators and full real-time dynamic correction.

VAST XT Gold Active Scanning Sensor

VAST XT continually monitors probe deflection. The same low measuring force is generated and regulated by the probe – thus minimizing dynamic influences such as stylus bending. In addition to active scanning, this sensor also permits single-point measurements: for example, the sensor enables the flexible use of complex stylus configurations and self-centering.

VAST XT can complete practically any task: form and length measurements, curve and freeform measurements, and reverse engineering. The applications cover plastic machined parts and Styrofoam, brake components, crankshafts, engine blocks and turbine blades.



Outstanding performance and flexibility.

The new ACCURA. Grows with you.

ACCURA provides outstanding performance where high accuracies and high measuring speeds are demanded – even in fluctuating temperatures. New materials make ACCURA practically insensitive to temperature influences. ACCURA is ready for the future. A modular design permits enhancements throughout its service life.

mass
mass application sensor system

Machine Features:

- Bridge-type measuring machine with fixed measuring table
- Measuring surface complies with DIN 879
- Rigid, lightweight bridge
- Vectorial travel speed of 800 mm/s in high-speed mode (optional)

Precision:

- CAA correction (Computer Aided Accuracy)
- The CARAT ® coating on the aluminum parts ensures long-term stability of guide-way behavior.
- Glass ceramic length measuring system
- Patented thermal receptacle of the linear measuring system



Local Technical Support, Training and Service - Maple Grove, MN

Micro Deburring and Polishing Machine

The sPINner small parts deburring machine eliminates costly hand deburring of small, precision parts. Special micro deburring media magnetically removes fine burrs fast. The sPINner deburrs slots, inner diameters, and cavities no other deburring equipment can reach. *Power That Works.*



The sPINner deburrs small, precision parts in just a few minutes, both internal and external part surfaces without damaging the finish or affective part dimensions!

Send in your parts for a free deburring evaluation!

Model	Dimension	Tank Size	Power	Amps	Weight
EHD-716	11" x 9" x 12"	6' X 6"	110V	2	35 Lbs.
EHD-728	19" x 19" x 37"	11" x 11"	220V	5	160 Lbs.
EHD-735	23" x 26" x 34"	15" x 16"	220V	10	220 Lbs.
EHD-750	29" x 30" x 36"	21" x 23"	220V	15	385 Lbs.

Micro Deburring Machine
Model EHD-728

All power requirements are single phase.
Standard Accessories Included: 2 buckets, 1 separating container and 1 manual.
Media and Deburring Solution sold separately.

Cleaning Media Focusing on Essentials

The Basic Solution - New Entry Level Solvent Cleaner EcoCBase C2



EcoClean

The excellent cost/performance ratio of the EcoCBase C2 makes the machine a very attractive solution, especially in times of reduced investment budgets. It uses non-halogenated hydrocarbons as highly effective cleaning media for **removing oils, greases, emulsions and swarf**. The machine can be used between or after manufacturing processes, either in small factories with comparatively low production capacities or in large factories with decentralised cleaning stations.

Removal of large quantities of oil or swarf from mass produced parts or particles of dirt with a defined size in fine cleaning can be achieved by selecting the appropriate filtering system and other application-dependent optional extras.

Advantages

- **Save Money** - Less operating costs versus aqueous systems
- **Superior Quality** - Cleaning solution does not degrade like aqueous solutions
- **Safe Environment** - Cleaning solution is non-halogenated, totally enclosed, and re-generates
- **Simple to Operate** - Programmable Siemens HMI offers multiple cleaning processes
- **Simple to Install** - Only electric and compressed air drops required



NT Series Optical Profilers

Accurate, Repeatable, Fast 3D Performance
for Surface Metrology



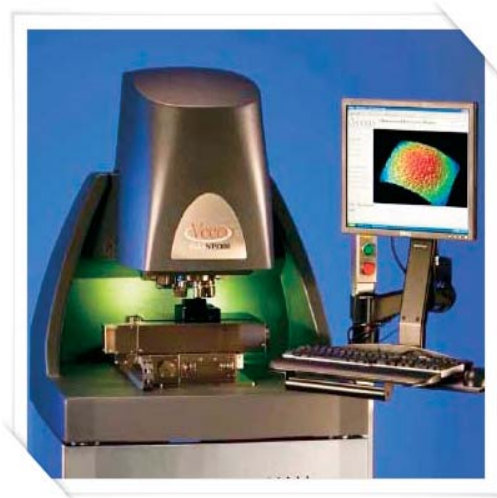
The *Wyko® NT9100* provides accurate and affordable non-contact surface metrology for advanced applications in MEMS, thick films, optics, ceramics, and advanced materials research.



Key Features

- For advanced applications in MEMS, thick films, optics, ceramics, and advanced materials research
- Provides fast data acquisition, user-friendly data analysis, and angstrom-level repeatability
- Features compact size, flexible, expandable configuration and motorized, programmable stage
- Sub-nanometer vertical resolution at all magnifications
- Complete system including Wyko Vision® analysis software and X-Y stage automation option
- Unique dual-LED illumination source provides superior non-contact measurements
- NEW NT9100S model for solar cell production features a 156-mm programmable stage and a special porous vacuum chuck to enable edge-to-edge measurements on 6-inch PV cells

The *Wyko® NT9300* combines non-contact interferometry with advanced automation for highly accurate, fast, 3D surface topography measurements from 0.1 nanometers up to 10 millimeters.



Key Features

- Ninth-generation, high-performance optical profiling sensor technology
- Sub-nanometer resolution and measurement range from 0.1 nanometer up to 10 millimeters
- Proprietary dual-LED source
- Motorized, programmable, XYZ axes and a unique tip/tilt head
- Industry-leading Vision® software with automated measurement sequences and more than 200 built-in analyses for complete analysis, automation and control
- Expandable system design

Contact us for additional information or to request pricing.

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