

Sophisticated Features Are Standard

- Computer design techniques, including Finite Element Analysis (FEA) and Modal Analysis, reduce structural deflection and the effects of vibrations and thermal variations on machine performance
- Large measuring range of 18" X 20" X 16.5" (460 mm X 510 mm X 420 mm)
Maximum workpiece size 23.5" X 29.5" X 17" (600 X 750 X 430 mm)
- Acceleration of 1730 mm/sec.² and velocity of 350 mm/sec
- Patented glass scales and non-contact opto-electronic sensors provide high accuracy and repeatability to 2 μm
- 22 air bearings ensure frictionless motion of the three axes within the measuring volume



- Tricision bridge with self-stabilized carriage assures precise movement
- Light alloy base fitted with a granite measuring table
- Computer with 17" monitor
- TESASTAR® touch trigger probe
- Small footprint fits any shop configuration

brown & sharpe.

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ISO 9001 Certified

HEXAGON
METROLOGY

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micro-hite® DCC

*High Performance Measurement and Inspection Capability
At a Price That Fits Any Shop Budget*



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micro-hite DCC

The Smart Way to Improve Inspection Efficiency

The new Brown & Sharpe MICRO-HITE® Direct Computer Control coordinate measuring machine is the perfect addition to any operation that needs additional inspection capacity or faster inspection cycle time.

The MICRO-HITE DCC is a competitively priced, high speed, high accuracy entry level automated measuring machine that can handle virtually any measurement and inspection application. Use it as a walk-up station for first piece and layout inspection, for machine tool setup or as a flexible gage to control manufacturing processes. Its 18 x 20 x 16.5" measuring volume accommodates 80 percent of parts manufactured today, making the MICRO-HITE DCC a practical addition to any shop. The MICRO-HITE DCC is the smart and affordable way to add inspection capacity to your operation.

The MICRO-HITE DCC incorporates an advanced dual reduction belt drive system that gives it an acceleration five times faster than similar CMMs, reducing inspection cycle time to a fraction of that of higher priced machines. Its light weight, offset triangular bridge is designed with a low center of gravity and an optimum stiffness-to-mass ratio for improved positioning accuracy. Wide bearing separation assures optimum control of bridge axis roll for precise volumetric measuring accuracy. A mechanical spring counterbalance lowers the Z-axis rail center of gravity for added stability at high measuring speeds.

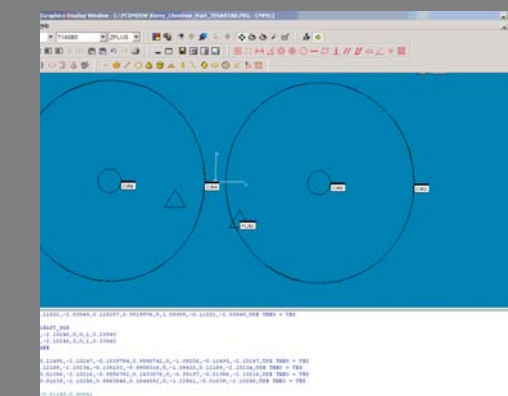
Thermally compatible materials and components minimize the influence of ambient temperature on measurement results, making the MICRO-HITE DCC the perfect measuring system for virtually any application.

Make your manufacturing operations more efficient with the affordable MICRO-HITE DCC.



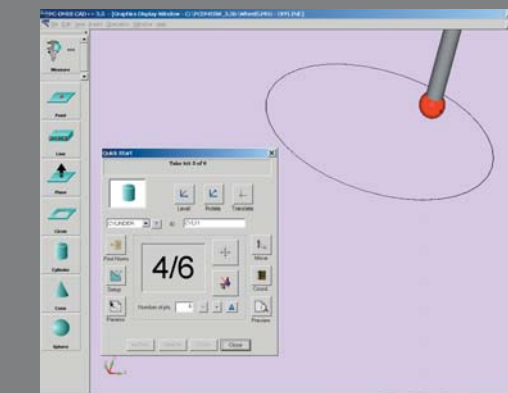
PC-DMIS® Software Takes the Work Out of Measurement and Inspection

The MICRO-HITE DCC coordinate measuring machine comes equipped with PC-DMIS PRO™ measurement and inspection software. This powerful software includes a tutorial that intuitively guides operators step by step through part programming, setup and the inspection routine. This easy-to-use tutorial allows operators of all skill levels to quickly become proficient with advanced measuring routines, without the need for lengthy training sessions. Advanced



graphics reporting functions allow inspection results to be configured to meet your unique data analysis needs.

Software can be upgraded to PC-DMIS CAD™ or PC-DMIS CAD++™. PC-DMIS CAD lets you use the power of CAD data to create part programs, on and off-line, complete with graphical part models and probe path simulations. With PC-DMIS CAD++, you can accurately measure complex curved shapes



such as turbine blades, dies, models, and sheet metal components. An optional SPC software package helps you manage dimensional data for improved process control.

Choose either the TESASTAR® Touch Trigger Probe or the optional TESASTAR-i® Manual Indexable Probe. The TESASTAR-i Indexable Probe offers repeatable indexing to 168 positions in 15° increments. Both probes feature adjustable trigger force from 0.1 N to 0.3 N. The MICRO-HITE DCC can also be equipped with an automatic indexable wrist to handle complex measurements.



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