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Inductoheat Announces New Stationary Process for Hardening Crankshafts

Inductoheat Inc. announced its new stationary hardening process for crankshafts that doesn't involve crankshaft rotation.

A manufacturer of induction heating equipment, Inductoheat said the system hardens and tempers V8, V6 or 4-cylinder crankshafts in one quarter of the floor space of traditional systems—while providing four times the tooling life. According to Inductoheat, the system's other advantages include low cost, low part distortion, maintainability, modular tooling, offline part qualification, reliability and simple operation.

For more information, call 248-585-9393 or visit Inductoheat's Website at www.inductoheat.com.

Circle 335

Brown & Sharpe Has New CMMs with Single-point Probing, High Speed Scanning

Brown & Sharpe announced it has combined single-point probing and high speed scanning in its new Global series of coordinate measuring machines (CMMs).

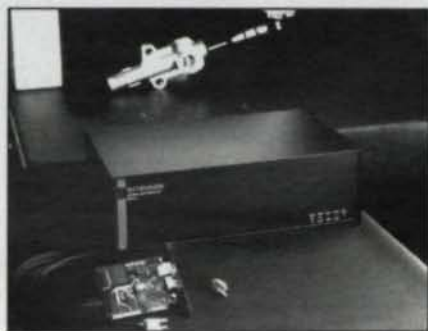
The CMMs can be equipped with different sensors and software for a wide range of measurement and inspection tasks, including first piece inspection, layout inspection, reverse engineering, tool set up, process control and storage.

Global CMMs are available in two configurations, status and image, with

measuring ranges from X 900 millimeters, Y 1200 millimeters, Z 800 millimeters to X 1200 millimeters, Y 3000 millimeters, Z 800 millimeters.

For more information, contact Brown & Sharpe, 200 Frenchtown Road, North Kingstown, RI 02852-1700, Phone: (800) 766-4673, Fax: (401) 886-2552, Web: www.brownandsharpe.com.

Circle 336



Renishaw Offers New Universal CMM Controller

Renishaw has a new UCC 1 universal CMM controller best suited for OEM and retrofit applications on a variety of CMMs.

Renishaw said the new controller optimizes the CMM/probe interface for maximum part check speed and accuracy and combines a super-fast scanning capability with easy-to-install, easy-to-use operation to boost inspection efficiency and throughput.

Using the controller, speeds greater than 300 mm/sec. (12 in./sec.) can be achieved. Also, in tests using a CMM with a Renishaw SP600M scanning probe, a 100 mm (4 in.) ring gage was scanned at 100 mm/sec. (4 in./sec.) with a resulting form deviation of less than 2 µm (0.00008 in.).

The UCC 1 supports a range of CMM probe systems, like conventional touch-trigger; strain gage and laser probes; manual and motorized probe heads; probe and stylus changers; and the servo positioning systems.

For more information, contact Denis

Zayia, CMM products manager, at Renishaw Inc., Phone: (847) 843-3666, Fax: (847) 843-1744.

Circle 337

Heartech Precision Announces Press Fit Tooling

Heartech Precision Inc. announced Nikken Press Fit tooling. HPI said the tooling allows for deep cavity, die/mold and standard end mill fixturing that is less expensive than conventional shrink fit setups, with tooling changeovers possible in as few as ten seconds.

With the Press Fit system, clearance is uniform, runout accuracy is less than 3 microns and direct face contact is made and maintained. Also, the system has 0.01 taper and bumper pin technology, which HPI said provides unmatched gripping torque. Heartech added that those features create much greater cutting capability, especially in deep cavity and die/mold applications.

For more information on the Nikken tooling system, contact Preben Hansen, national sales manager, at Heartech Precision Inc., 1299 Lunt Ave., Elk Grove Village, IL 60007-5617, Phone: (847) 593-6000, Fax: (847) 593-6005, Website: www.hpi-heartech.com, E-mail: sales@hpi-heartech.com.

Circle 338

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