

For Immediate Release

News About: P.D. Browne South – Houston, TX

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Heavy-Duty Johnford Slant Bed Turning Center at Houstex Booth 2521

P.D. Browne will present the Johnford ST-80GX at Houstex February 28 – March 2 at the George R. Brown Convention Center in Houston, Texas. This turning center is a heavy duty, high precision CNC machine cast from Meehanite iron. Full advantage of the 50HP spindle motor and 4-speed gear box is taken by the massive one piece 60° slant bed design. Built in classic style, the 60° slant bed features a torque tube design. The torque tube, or hole, cast through the center of the slant bed, provides an extremely rigid bed and excellent heat dissipation. The square box ways provide the rigidity for heavy duty turning. Hand scraped Turcite - B applied to all mating sliding surfaces ensures high rapid traverse rates and accurate positioning. Offering precision and thermal stability, the headstock, tailstock, and saddle are all mounted on the same plane at a 60° angle. The coolant tank is separate from the machine base to prevent heat transfer from the coolant to the machine casting which promotes precision and easy cleaning and maintenance. To further enhance accuracy and precision, the ballscrews are the double nut type and pretensioned to eliminate thermal growth.

The precision spindle structure with the extra-large hole uses Timken roller bearings for rigidity and accuracy. The spindle quill inner and outer linings are precision ground for

fit with the spindle, providing extreme concentricity and accuracy. The spindle is driven by a 50HP high torque motor which provides plenty of power to the A2-20 spindle. For applications requiring high torque at low RPMs, a four speed gear box is standard. A 60HP spindle motor is also available for high power cutting.

A 12 station bi-directional turret or optional BMT servo live turret provides 0.5 second indexing and coolant through the tool holders. A full C-axis with live tools is available for applications requiring milling operations. Fanuc controls are standard for performance and reliability.

P.D. Browne South has been serving manufacturers in Southern Texas for the past 30 years. The company's commitment is to provide customers the most productive and technically advanced CNC machine tools on the market. Located in Houston Texas, P.D. Browne South provides comprehensive service, training, and applications support.

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