

July 19, 2011

Vollmer of America Corp.
105 Broadway Avenue
Carnegie, PA 15106
Phone: 412-278-0655
Fax: 412-278-0520
Internet: www.vollmer-us.com
E-mail: info@vollmer-us.com

QX D400 – the disc erosion machine of VOLLMER for processing PCD-fitted precision tools

The QX D400 of VOLLMER stands for a new generation of High-Tech machines. The most varied PCD-tipped tools with a diameter of up to 400 mm and a length of 400 mm can be processed to high precision a single clamping by means of flexible disc erosion machine.

With the QX D400 VOLLMER presents a new generation of High-Tech machines, which is used for the flexible processing of various left and right PCD cutting tools up to a diameter of 400 mm and a length of 400 mm in in a single clamping operation.

State-of-the-art CNC drive technology with for the first time six orbit interpolation CNC axes as well as comprehensive automation create new benchmarks for flexibility and cost-effectiveness in production and service. Manual intervention is no longer necessary, and set-up times are reduced substantially.

QX D400 – precision, quality and flexibility

Maximum accuracy is achieved through the automatic measurement of the tool piece geometry and subsequent compensation. An essential reduction in the secondary processing times is achieved through the direct drive technology with optimum, fast and superimposed movements. Extremely high processing accuracy and surface quality is also guaranteed by the particularly rigid machine construction with a monolithic central block.

The QX D400 stands for high eroding performance and at the same time high flexibility. The fully-automatic replacement of work pieces such as PCD milling cutters, drills, reamers, etc. provide a decisive advantage in productivity and cost-effectiveness. The workpiece magazine has a capacity of up to 72 workpieces, the tool magazine can take up to six different processing tools, e.g. cup wheels and

peripheral eroding wheels or grinding wheels. This enables fully-automatic operation in an operator-free environment 24 hours a day.

Comfortable control and simple menu-driven operation through the menu technology of VOLLMER which enjoys success worldwide. Further features: free programming in the DIN format; man-machine-interface based on Windows CE; future integration of Windows applications possible; 15 inch LCD flat screen.

The highlights of the QX D400 at one glance:

- Orbit interpolation in six CNC axes, controlled simultaneously
- Fully-automatic measurement in the machine and processing left and right-cutting tools in a single clamping
- No manual resetting required
- Comfortable and particularly simple machine operation (VOLLMER menu technology and MMI in Windows CE technology)

Further highlights:

- Direct drive technology
- High processing and surface quality
- Erosion and grinding in a single clamping
- Reduced secondary processing times
- Fully-automatic exchange of up to 72 workpieces from the magazine.
- Fully-automatic exchange of up to six erosion and grinding wheels from the tool magazine
- Magazine can also be retrofitted at a later date
- Free programming possibility in the DIN format

For complete details contact Vollmer Of America; 105 Broadway Ave. Carnegie, PA 15106;
Tel.: 412.278.0655; Fax: 412.278.0520 or email info@vollmer-us.com.



About Vollmer Of America

The VOLLMER Group has evolved as the specialist in re-sharpening and production of PCD tooling, Carbide-tipped circular saws, HSS circular saws, and Band saws. VOLLMER Technology & service offers the latest in grinding, erosion and conditioning machines for tooling and circular saw and band saw blades used in woodworking, metal-cutting, and the processing of composite materials.