Flexible Automation For Saw Blade Sharpening

Carnegie, PA….. Vollmer of America Corporation has introduced the new Model CHD 270 fully automatic sharpening system. Dubbed “The Service Center”, this machine delivers consistent and fast machining of carbide tipped circular saw blades. The Service Center incorporates an automatic grinding machine with probing system, an intelligent robotic system for loading/unloading and Vollmer’s Windows-based PMC multi processor that handles all aspects of the machining operation. The Service Center meets today’s demands while setting new standards for quality and performance on all sharpening requirements. The modular design of the Service Center provides optimum machining flexibility. Adding additional machines and carriages can expand the scope of operation as capacities increase.

The grinding machine delivers precise, consistent and fast machining of carbide tipped saw blades used in wood, plastic, steel or non-ferrous metals applications. This machine has been designed for 24/7 operation and provides maximum flexibility to handle varying blade diameters and tooth configurations. Complete 7 axis machining delivers precise grinding of the most intricate tooth geometries in a single set-up.

The robotic handling system begins with 2, 3, 5 or 7 loading carriages capable of handling 50 to 600 saw blades with processing to accommodate carbide-tipped blades including CERMET blades. Automated handling accurately positions each blade into the machine based on its diameter, thickness, tooth angle, stock removal, etc.

The Service Center becomes automated through Vollmer’s intelligent, yet simple programming combining CNC control of axes and unique PMC processors. Saw blade management can be accomplished “off-line” from the customer’s PC. Graphic prompting allows operators to enter simple data in order to generate grinding programs. Easily reviewed at both control desk and data input station. Historical data, as well as existing programs can be stored and recalled.
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.