

Mazak to offer LNS swarf management system for VCS range

Yamazaki Mazak has teamed up with machine tool peripherals experts, LNS Europe, to offer a unique swarf management system for its VERTICAL CENTER SMART range of vertical machining centres.

LNS Europe's Turbo MH series has been developed with a view to improving the effective removal of swarf, regardless of chip size or shape, from the machine tool bed. Mazak will introduce the technology as part of its 'Performance Package' of machine peripherals for machining centres in its VCS range of vertical machine tools.



The LNS system has a built-in scraper bar attached to the hinge belt that continuously runs along the bottom surface of the conveyor frame throughout the machining cycle to gather even the smallest chips. The swarf is then lifted onto the top of the conveyor as the belt rotates and is able to exit in the same manner as the larger swarf.

The Turbo MH system also feeds coolant into the machine through a filter box, mounted between the conveyor belt flights, which is fitted with either 250 or 500 micron filters. The additional brush fitted to the underside of the conveyor belt will wipe the box as the belt rotates and any further swarf chips will fall to the bottom of the conveyor frame to be collected by the scraper bars and then discharged.

Nigel Hampson, Head of Sales – UK and Eire at LNS, said: “Our system effectively combines a conveyor with a filtration system which simultaneously removes the swarf and cleans the coolant. The Turbo MH system is ideal for volume cutting applications, typical of those serviced by Mazak’s VCS range.”

Richard Smith, Managing Director UK & Ireland Sales Division at Yamazaki Mazak, added: “The Turbo MH series will form part of the Mazak ‘Performance Package’ of machine peripherals for our VCS range of machining centres, and can be both retrofitted to an existing machine or added on to a new product prior to dispatch. This technology is ideal for high volume swarf applications and we are delighted to be offering this solution to our customers as part of the VCS range.”