

Press Release
September 18, 2012

AMB 2012

Secure clamping for any workpiece, from delicate to massive

The type NSMD clamping module from HAWE Hydraulik SE, Munich, maintains and monitors workpiece clamping pressure. The minimum possible clamping pressure has now been brought down to 3 bar, so thin-walled tubes in delicate workpieces can be machined just as safely as massive workpieces that need clamping pressures as high as 50 bar. That eliminates the effort and expense of providing a differential clamping pressure with a second clamping module on the opposite side of the clamping cylinder when working at low clamping pressures.

Pressure is adjusted with a proportional valve, using a preset signal from the control. There is no need to control clamping pressure by having the machine's control system perform complicated analyses of analog signals. Instead, the adjustment of the pressure reducing valve is tracked and output as a digital signal. The clamping module also controls the volume flow, thus preventing the workpiece from being released from machining prematurely.

As a protective device in the event of power failures, HAWE Hydraulik includes a mechanical lock for the pressure reducer setting. It ensures that the set pressure is maintained even without a power supply.

The new 3 bar version of the clamping module is already in use by an Italian manufacturer of turning machines, who has expressed great satisfaction.

HAWE Hydraulik at AMB 2012
September 18-22, 2012
Hall/booth 4E50, Messe Stuttgart

Reader information and free documentation:

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Clamping module type NSMD: The clamping pressure can be reduced down to 3 bar.

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