
MULTIDECO 32/6c: Forerunner of a new generation of machines

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The multispindle MULTIDECO 32/6c machine, which was launched in April 2005, is the first model of a new machine concept for machining highly complex parts on a multispindle machine, thanks to the 5 tools that can be used for back-operation. This technology dispenses with having to rework the parts, which considerably reduces throughput time, thereby making the costs of the parts more competitive.

The MULTIDECO 32/6c, to be exhibited by TORNOS at the EMO in Hanover from 14th to 21st September 2005, will, for the first time, feature an automatic manipulator to reduce part impact, as well as the facility to measure these parts during production. This is in addition to the improvements already mentioned, made to the rear of the part. The machine also incorporates an automated palletization system for packing the parts following manufacture, which again represents a saving in time. These two functions are also found on the MULTIDECO 20/8d, with the second model allowing back-operations without having to rework the part. This machine also allows for the production of even more complex parts, thanks to the 8 motorized spindles and twin back operations.

The numerous devices offered by the MULTIDECO 32/6c ensure perfect integration into a complete industrial process, thereby allowing TORNOS to meet ever growing requirements more efficiently from a large number of sectors, such as the automotive sector, in terms of quality and productivity.

The initial reactions following the presentation of the MULTIDECO 32/6c last April, show that the MULTIDECO 32/6c concept meets customer requirements. It should, however, be pointed out that there were some requests to provide a less comprehensive palletization system. This was also developed by TORNOS and both versions are now on offer. Clients can freely select the option best suited to them.

MULTIDECO 32/6c – Technical characteristics

Main areas of application	Automotive, equipment
Bar capacity	32 (34) mm
Max. component length	130 mm
Spindle speed	5'000 rpm
Max. speed of counter-spindle	8'000 rpm
Spindle motor torque	140 Nm
Counter-spindle motor torque	24 Nm
Power on drilling motor	3.7 Kw
Power on thread-cutting motor	3.7 Kw
Number of axes	19 axes
Number of counter-operation tools	5 (3 rotating)
Spindle cooling	Yes
Numerical control (CNC) unit	Fanuc 16i TB
Programming system	TB-DECO
Strong points:	<ul style="list-style-type: none"> - Parts completed on the machine - Increased machining capacity in back-operation - Controlled part output (facility to incorporate external systems, i.e. pre-cleaning, measuring, sorting, etc.) - Palletization possible - Plus all the benefits of MULTIDECO machines: Precision, flexibility, productivity, etc.