MULTIDECO 32/6 i

A multispindle turning cell all in one!

At the EMO in Hanover during September of this year, TORNOS will unveil as a first throughout the world, its new multispindle lathe working on the DECO concept: – the MULTIDECO 32/6 i.

We see this as a real 32 mm with 6 spindles, incorporating its own bar feeder!

The concept of a «turn-key» solution has gone one stage further than merely incorporating a bar feeder, since the conveyor and filtration systems are also incorporated into the machine. This machine is suitable for all types of material.

A summary of experiences

This new multi-spindle lathe benefits from all the experiences gained with the DECO and MULTIDECO over almost the last five years and is making use of this base to develop even more advanced features. The traditional benefits – i.e. combining the versatility and productivity of a multispindle lathe, the user-friendly nature of the DECO concept, programming in masked time and tool pre-adjustment are now backed up by

◆ New quick change tooling systems;
◆ Dispensing with the feed fingers/tubes;
◆ Increasing the machining possibilities using single point tooling (machine fitted with 5 numerical cross slides).

All these elements are complemented by reduced commissioning times and simplified set-ups and tooling arrangements.

We shall touch upon the subject of the machine’s versatility in a subsequent article, which will demonstrate the practices adopted by some of our clients, who change their set-ups several times a week, if not daily…

Vital power

To accommodate the larger machine capacity, the motor power has been increased and cross slides have been strengthened. Consequently, the high precision of this machine is guaranteed, even in extreme machining conditions.

A large number of novel features

Apart from the above points, MULTIDECO 32/6 i has several novel features (as option), which enable our clients to pursue the logic of an «integrated multispindle turning unit» even further:

◆ Checking tooling life and automatic wear management.
◆ Interface with part measuring systems.
◆ A high-performance fire extinguishing device.
◆ Tool condition monitoring.

This lathe will provide the highly competitive, medium-capacity, multispindle turning market with new and innovative solutions.

Unfortunately, this initial article does not do justice to this new lathe, since its integrated concept, its power and capacities as well as its precision, merit far more.

Would you like to receive more complete documentation? Please send your full details to DECO-Magazine, TORNOS S.A. CH-2740 Moutier or by e-mail to decomag@tornos.ch.

This new document will be available from June 2001.

To find out more about this machine and the development of the MULTIDECO concept, come to the EMO in Hanover from 12th to 19th September 2001.