

THINK PARTS – **THINK TORNOS**



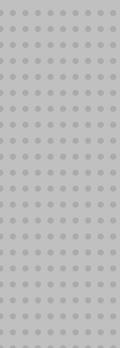
TB-DECO 2006

TB-DECO ADV 2006



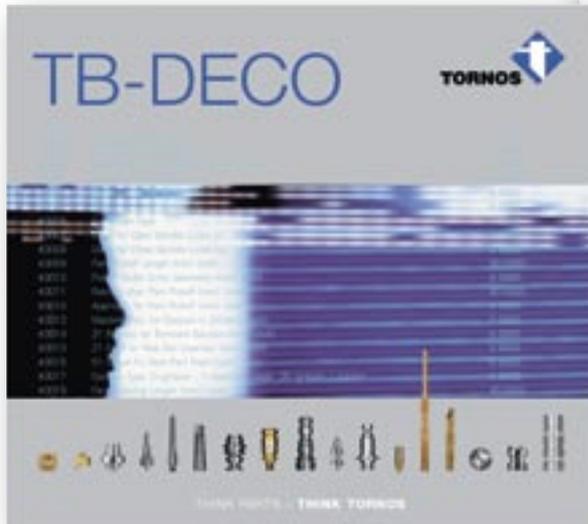
TB-DECO *new*

PROGRAMMING SOFTWARE
DESIGNED FOR DECO AND
MULTIDECO AUTOMATIC LATHES



TB-DECO *new*

DEVELOPING FOR THE MARKETPLACE!

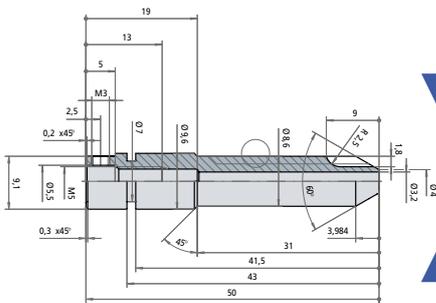


Following the 2004 and 2005 versions, Tornos has now upgraded the new TB-DECO generation software by launching version 2006 (to be released in November 2005).

This latest generation improves the synchronisation tool that makes the TB-DECO software the world's leader in programming automatic lathes.

The TB-DECO is completed by the following two options:

- ◆ TB-DECO ADV, an uncompromising solution that has already convinced hundred of clients after only one year in existence.
- ◆ CAM interface, which allows the CAM software systems, such as AlphaCAM, Esprit, Gewatech, GibbsCAM, PartMaker or SylvieXpert to program the DECO or MULTIDECO machines.



TB-DECO 2006



SAVE 10% ON
PROGRAMMING TIME!

Nowadays you can simply change from TB-DECO V5 or V6 to TB-DECO 2006.

TORNOS is offering a new basic TB-DECO software version, available free of charge when you purchase a new DECO or MULTIDECO.

There's no problem if you would like to ensure a smooth change-over to this new, highly intuitive and more user-friendly programming environment. The TB-DECO 2006 can be installed on your PC together with your version 5 or 6.

The time required was measured during tests carried out in actual programming situations. The new TB-DECO 2006 functionalities revealed their superior qualities, purely from a quantitative point of view – the time needed for programming could be reduced by 10%. From a quality aspect, the operators experienced a marked feeling of convenience and found the program to be very user friendly.

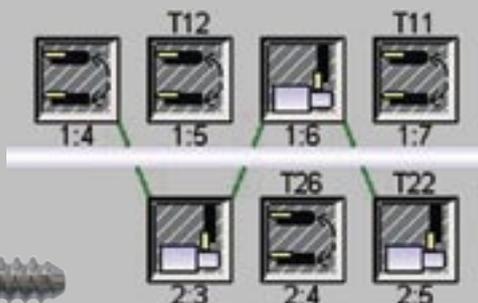
More Microsoft Windows® functions

Make full use of the user-friendly Windows® environment using:

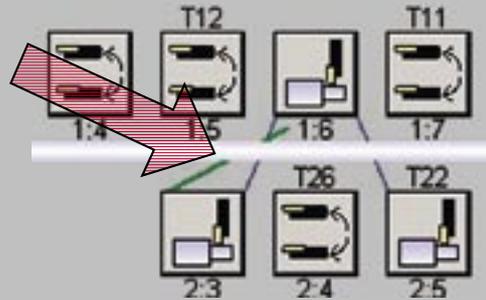
- ◆ The undo / redo functions.



- ◆ The copy/paste functions that not only apply to the operations, but also to their synchronisations.



- ◆ Synchronisation change using the mouse and the "Shift" key.



- ◆ Deleting a synchronisation with the "Delete" key.

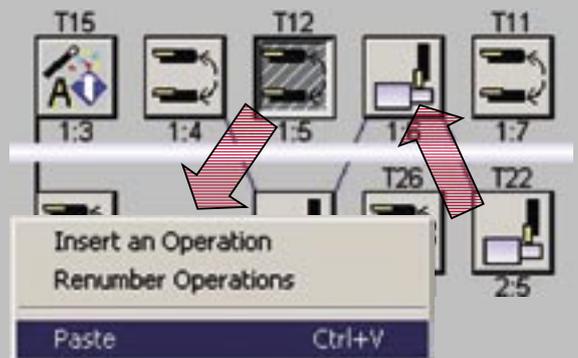
- ◆ The "Select all" function applicable to both the ISO code and to the program (operations + synchronisations).



Writing the high-performance ISO code

Benefit from simple and more automated ISO code management:

- ◆ Rapid entry of shifts thanks to the automatic display of axis identification. Instead of entering "G1 X1=", write "G1 X", TB-DECO will automatically complete the "1=".
- ◆ Automatic axis identification change when copying an operation to another tool system.

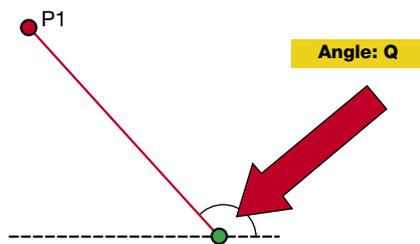


For example: X1= becomes X2= or Y2= becomes Y1=

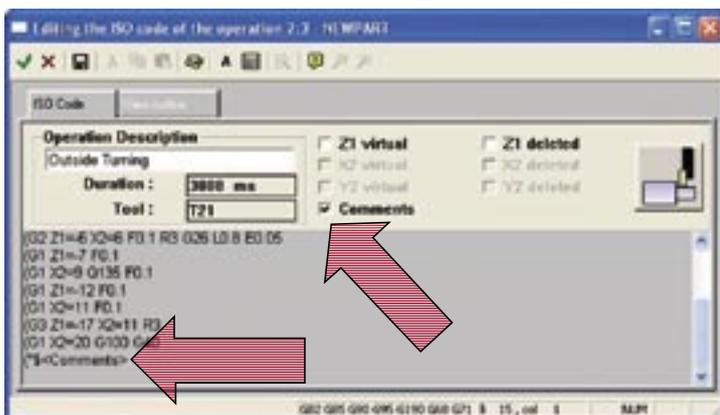
TB-DECO 2006

SAVE 10% ON
PROGRAMMING TIME!

- ◆ Quick entry of G codes thanks to the display:
 - of "G" when you write a number,
 - of "G1" when you enter a space at the start of the line.
- ◆ Automatic display of "S" following a spindle speed code (Mx03, Mx04).
- ◆ Automatic insertion of a space between the two ISO codes.
- ◆ Opening several operating windows in the same program.
- ◆ Programming an angle directly in the ISO code.
For example: Q135.



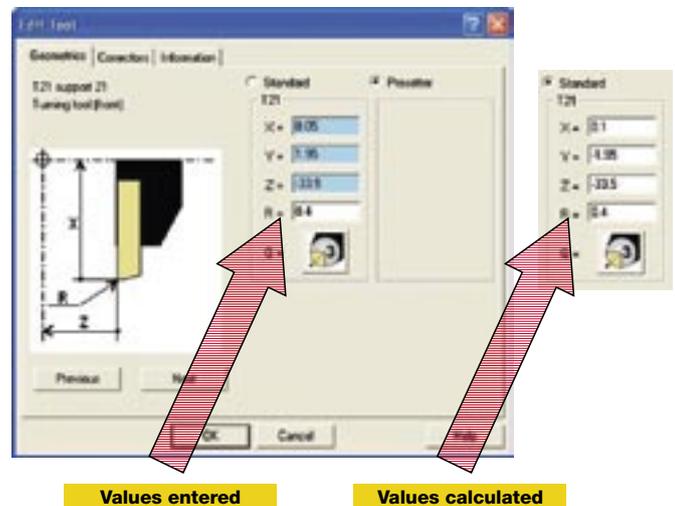
- ◆ Definition of excess thicknesses for facing in the global variables, so as to avoid programming original changes for the operations.
See the TB-DECO tips in DECO Magazine No. 32 (March 2005).
- ◆ Complete or partial ignoring of an operation by a mere "click" to facilitate setting-up, for example.



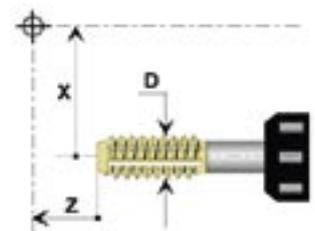
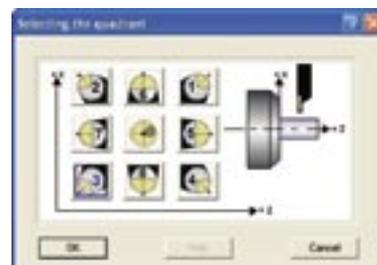
Intuitive tool geometry management

No need to search for tool geometries for your DECO machines:

- ◆ Standard geometry display when creating a tool.
- ◆ Direct entry of tool geometries displayed on the pre-setter.



- ◆ Graphic selection to compensate for the radius.

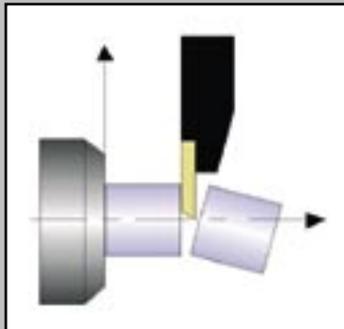


New tools design

- ◆ The G904 constant cutting function has been replaced by constant cutting speed, G96.
If, in both cases, the spindle speed driving the bar increases whilst the machined diameter is decreasing, the G96 function not only provides the facility of executing a movement in X but also a movement in Z.
- ◆ In addition to the constant cutting speed, the new function of G92 provides the facility to reduce the maximum spindle speed to a value below the one defined for the machine.

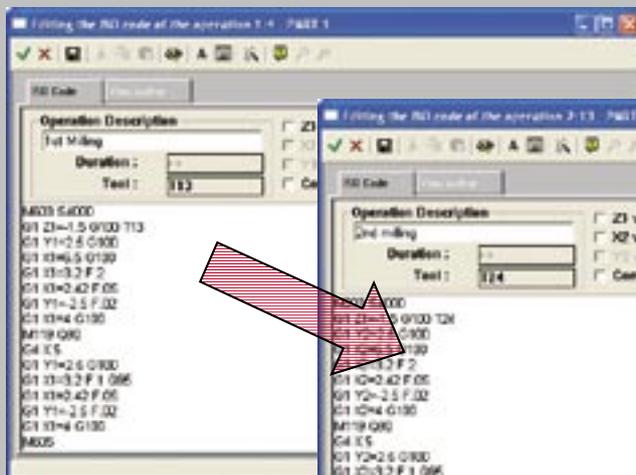
- ◆ During transmit programming (polar coordinates), TB-DECO offers the facility to execute a movement with the third axis (for example, Z) whilst remaining in “radius compensation” mode, G41 or G42.
- ◆ A new “sister operation” function allows you to insert the same operation in several sections of the program. When modifying one of the associated operations, all the others will automatically be updated.

See article on the TB-DECO in DECO Magazine No. 34 (September 2005).

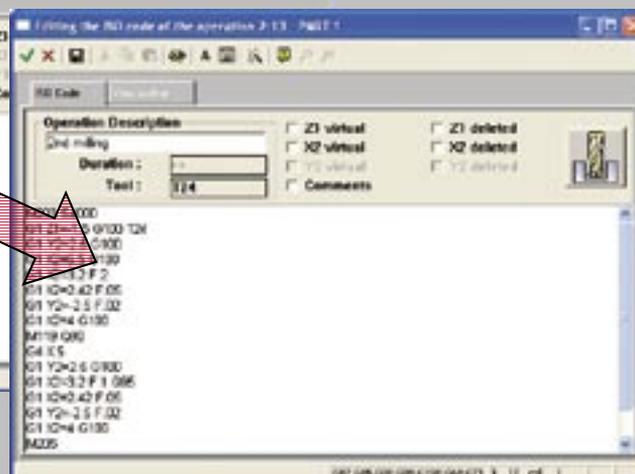


And what's more...

You will find dozens of other improvements in the new 2006 version, such as a greater choice of icons for your operations.

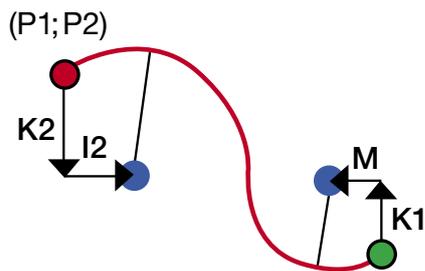
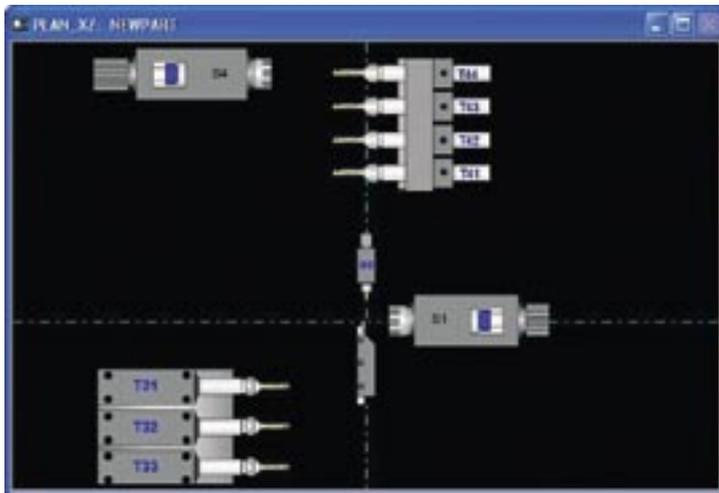


Sister operations



TB-DECO ADV

2006



Together with the TB-DECO 2006, TORNOS is also offering the TB-DECO ADV 2006 as an option. This additional software has many extra functions to allow you to go that bit further.

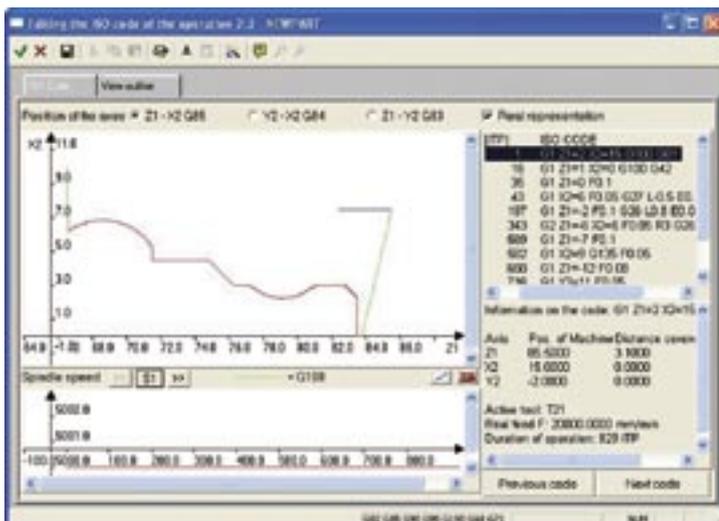
If you want to go for a solution without compromise then choose the graphic assistants with the TB-DECO ADV option.

- ◆ Graphic assistant to program the contour (for example calculating a tangent point).
- ◆ Assistant to program the macros (for example: thread chasing).
- ◆ 2D simulation.
- ◆ Graphic display of the programmed contour.
- ◆ Sharing only one tool catalogue for several parts.
- ◆ PELD: Extension of the programming language for the DECO and MULTIDECO machines.

Essential tool for easy programming of:

- a) A part family.
- b) Complex parts.

- ◆ Interface for commercially available pre-setter with incorporated PC.



TB-DECO *new*

DESIGNATIONS



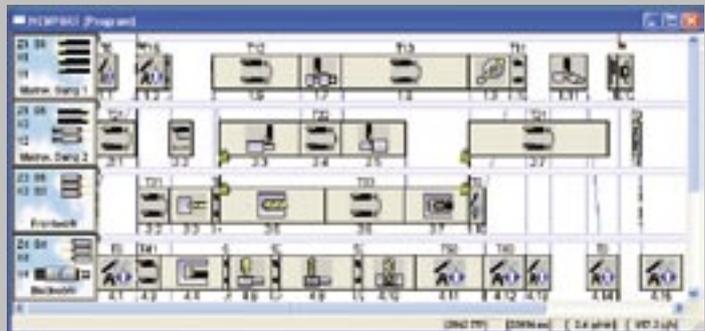
**Commercial designations of
TB-DECO products**

TB-DECO *new*

750-0003 + 750-0230

TB-DECO ADV

750-0005 + 750-0710



CAM interface

Requires TB-DECO ADV option

750-0810

If you would like prices, please contact our agent
or your nearest Tornos office.

Over 20 years experience in IT solutions

- 1985 First TB-LOGIC users.
- 1992 Start of the TB-DECO project.
- 1996 First TB-DECO users.
- 2005 Over 3000 TB-DECO users.

An unqualified success

Today TB-DECO is the most widely used machining programming software for automatic lathes.

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