

# PRESS RELEASE

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## **Micro 7 – MS 7 Contest at the summit during the Simodec trade fair**

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**Replacing cam-type lathes with an NC lathe? Even though this challenge has been attempted many times by numerous manufacturers, Tornos announces its intention to pick up this gauntlet at the Simodec trade fair. To do this, the manufacturer has chosen to stage a contest between the Micro 7 and the MS-7, the benchmark unit!**

With more than 100 years of experience, over 100,000 cam-type lathes supplied worldwide with over 40,000 still in active service and our experience of the world of NC with sales of more than 6000 DECO machines, the Swiss manufacturer is able to take up this challenge with real panache. The basic idea behind this demonstration was a wish to stage a match right at the summit. To get a firm grounding in factual reality, Tornos teamed up with MGB, one of the great European bar-turning specialists. The latter brings all its experience and expertise in the operation of cam-type machines to bear on this comparative exercise, to the point where an 'MGB-enhanced' 'MS-7 machine features on the Tornos stand, in direct confrontation with the Micro 7.

What are the factors that influence the choice of a machine tool? Naturally enough, price is one of them. On this point the Micro 7 is less competitive than an MS-7 machine disclosed on the balance sheet with a book value of just SFr 1.00. Nevertheless, numerous other factors enter into the equation.

- productivity; stability during production; tool wear; cycle times, pre-setting ...;
- precision ; +/- 2 $\mu$ , speed, repeatability, temperature setting...
- innovation; power, speed, modularity, elimination of fixture changes...
- ergonomics; setting, lubrication, access, noise, swarf extraction...
- the environment ; difficulty of finding 'cam-trained' operators, access to training, simplicity, future....

These two machines have been tested and analysed on these points, each parameter has been weighed up and evaluated, culminating in a set of figures which demonstrate that the Micro 7 could well become the new Number 1.

The Tornos stand (Hall A, Stand C34) will comprise all these results and may other things besides with the aim of 'proving' all the elements announced beforehand.

The entire Tornos sales network is eager to write this new page of Tornos history right now, and awaits its visitors with great anticipation in la Roche-sur-Foron between 4 and 8 March.

### **Technical specifications**

Bar capacity : 7 mm  
Max. speed of spindle and counter-spindle (aka 'back spindle'): 20 000 rpm  
Spindle and counter-spindle power: 2.2/3.7 kW  
Total number of tools: 21  
Total number of tools at tailstock end: 4  
Number of tailstock operations: 6  
Number of axes (simultaneous) : 5 (7/axes C)

Press contact : Pierre-Yves Kohler TORNOS SA, 111, rue Industrielle, CH-2740 Moutier  
Tel. +41 32 494 44 44, Fax +41 32 494 49 03, [www.tornos.com](http://www.tornos.com)