



# **SYSTEM SOFTWARE**

## **torque-61**

[Software Package]

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■ *Designed for electronic nut setting systems*

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■ *Extensively proven in industrial usage*

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■ *The system software torque-61 comprises two elements:*

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### **1. PC Software torque-61 WINDOWS™ graphic user interface**

- User friendly creation of nut setting processes
- Optimization of the processes · Visualization functions
- System Monitoring · Extensive statistical functions

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### **2. Terminal Software torque-61**

- Local parameter modification of the CNC 61.00's (Speed, Target angle, Final torque)
  - Final value acquisition · Statistical basic functions
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## Parametrization instead of Programming

The clear PC graphic user interface is designed to ease the creation of nut setting cycles. Even complex cycles can be composed by mouse selection of routines and subsequent optimization. The adaptation to a required application is thus menu-driven, without any demanding programming

Different spindle types can be selected from a parameter data base, if necessary this library can be expanded.

The PC user interface enables parametrization in both, on-line and off-line operation. In the off-line operation the files are first generated and then transmitted into the flash EPROM of the controller.

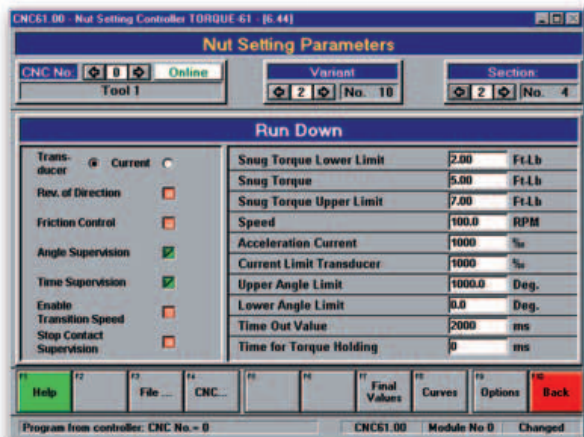
The variation of connected spindles is insignificant. The user can individually adapt every spindle to match the application with the user interface.

Up to 10 various spindle types can be stored in a data record in every controller.

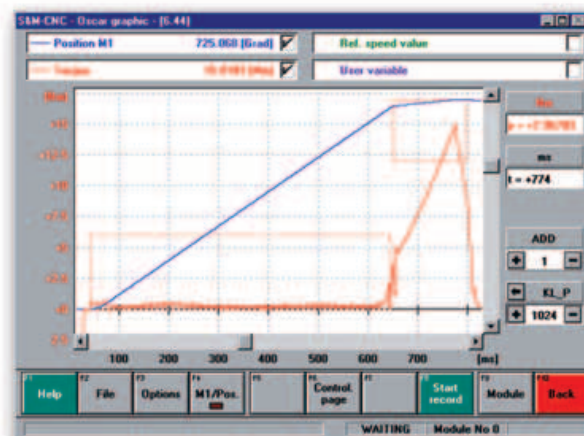
Auxiliary functions permit the determination of calibration values directly at the spindle (e.g. step-down of gear, calibration torque of transducer).



Any nut setting processes can be created by selecting sections from a list.



Parametrization of the previously combined sections.



The oscilloscope function permits to record, save and display at any time, four desired signal traces (e.g. torque, angle, motor current, speed).