

## The ideal CNC for stepper drives



### The perfect controller as a starter solution:

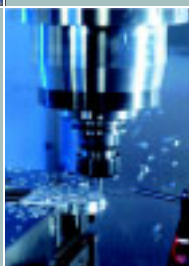
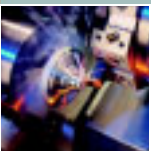
- Easy to operate and program
- Fast, simple setting up of tools and workpieces
- Cycle-based and contour-based programming
- Simple interfacing of drive using stepper drive technology

### The CNC controller for highly versatile applications:

- Controls up to three axes and one spindle
- Complete unit with small dimensions
- Maintenance-free since without batteries or fan
- Standard solution with world-wide servicing for various types of application.

# sinumerik

## 802S base line



# SIEMENS

# SINUMERIK 802S base line

## opens up new possibilities for you

### Technical specifications

- 3 servo axes (pulse/direction signals) and 1 spindle ( $\pm 10V$ )
- 8" flat LC display
- 256 KB part program memory
- Look ahead
- Handwheel function
- Up to 15 tools, 30 edges
- RS-232-C serial interface
- Operator panel and machine control panel (front) with IP65 design
- 12 freely-assignable and identifiable keys with LED
- Full CNC keyboard
- Integral pocket calculator function
- Teach-in (option)
- Simulation (available soon)
- 48 digital inputs and 16 digital outputs as standard
- Expansion module with 16 digital inputs and 16 digital outputs (available soon)
- Emergency stop button (option)
- Oscilloscope function
- Powerful PLC with LAD (ladder) programming

The information provided in this brochure contains descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract. Availability and technical specifications are subject to change without notice.

### The SINUMERIK 802S base line offers you many advantages:

- Simple programming according to DIN 66 025
- Easy gauging of tool by scratching
- Contour elements as programming aid
- Cycle support for complex applications

#### Turning:

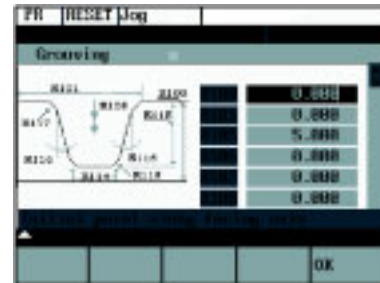
- Groove
- Recess
- Remove stock
- Thread-cutting
- Drilling, counterboring
- Deep-hole drilling
- Tapping with/without compensating chuck
- Drilling out

#### Milling:

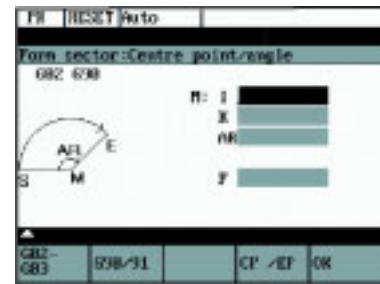
- Deep-hole drilling
- Thread-cutting with/without compensating chuck
- Row of holes – circle
- Row of holes – line
- Drilling, countersinking
- Milling of pockets, grooves and circular pockets

#### ... and also possible:

- External processing
  - Also for processing of larger programs via the RS-232-C (V.24) interface
- Teach-in function (option)
  - Program input using handwheels or direction keys
- Compact design
  - Permits replacement of old products through small space requirements
- High processing speeds
  - Even with high encoder resolutions
- Extremely insensitive
  - Due to compact design
- Powerful PLC
  - For perfect adaptation to the machine tool



Graphic cycle support



Contour definition support



PLC programming



Contours

You can find information concerning this product in the Internet at:



<http://www.siemens.com/sinumerik802>

You can find the addresses of your contact partners at:

<http://www.siemens.com/automation/partners>

or send us an email at:



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