

The simple
and efficient CNC



A true workshop CNC control to suit your tastes:

- easy to operate and to program
- fast and simple setup of tools and workpieces
- programming can be done with cycle and contour support
- machine operators who have been working with other controls can quickly and easily adapt to the SINUMERIK 802D

A fully digital CNC control to provide you with higher productivity:

- speed accuracy and high reliability
- designed for simple turning and milling applications, especially in small series productions
- operates up to 4 axes and 1 spindle or 3 axes, 1 spindle and 1 auxiliary spindle
- integrates in one component a high-quality flat-panel display and the requisite control unit
- does not require batteries or fans, making it maintenance-free

Overview · July 2002

sinumerik 802D



SIEMENS

SINUMERIK 802D

suits your tastes
and gives you productivity

Technical data

- 4 servo-axes and 1 controlled spindle or 3 servo-axes, 1 spindle and 1 auxiliary spindle
- 10,4" TFT flat screen
- 256 KB part program memory (640 m/2100 ft punched tape)
- frames (rotation, translation, scale, mirror of contours)
- rotary axis
- look ahead
- handwheel functions available
- 32 tools available
- serial port RS 232
- PCMCIA drive built-in in the front (complete serial startup, part program memory)

Convenience as a standard feature

- integrated pocket calculator
- part counters, stop-watch
- onboard help (operating and programming instructions fully context-sensitive)
- comprehensive diagnostics onboard i.e.: oscilloscope function, ladder diagnostics

Powerful options

- user interface in color
- PLC teleservice
- tool life monitoring
- TRANSMIT and peripheral surface transformation
- travel to fixed stop

The SINUMERIK 802D offers you the following advantages:

...quick and easy measurement of tools and workpieces

- tool measurement with tool eye
- in one step with direct access to tool data or zero offset memory
- with graphical support

...graphical contour programming

- fundamental contour elements, enabling a contour to be created quickly and easily

...graphical support for cycles

- drilling:
 - center drilling
 - deep hole drilling
 - reaming
 - boring
 - boring with stop
 - tapping with/without compensating chuck (rigid tapping)
 - row of holes, circle of holes
- milling:
 - face milling
 - contour milling (any contour)
 - circular and rectangular pocket
 - slots on a circle, circumferential slot
 - long hole
 - thread milling
- turning:
 - stock removal (any contour)
 - thread cutting, chain of threads
 - grooving, undercut

...graphical simulation

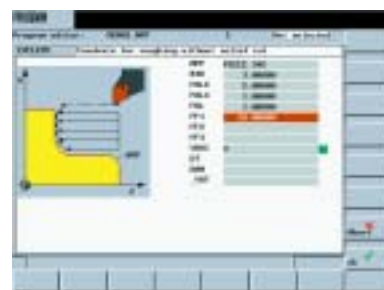
- for immediate control of program before machining
- or real time plotting during machining

...able to run part programs from other CNC's

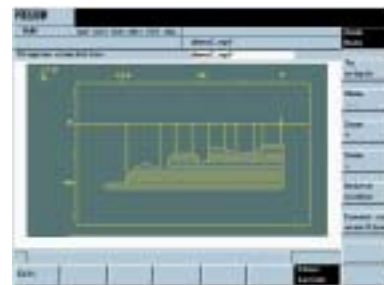
- processing part programs according to ISO standard
- with instruction to switch to other G-codes and back to ISO standard



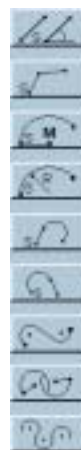
Set-up function



Graphical support for cycles



Simulation



Contours

You can find information about this product at Internet website:



<http://www.siemens.com/sinumerik802d>

You can find your local partner under:

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

or just mail to our infobox:



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