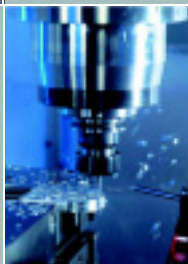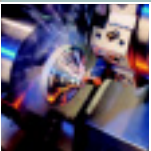# Performance has a name

The CNC for all applications:
- Easy to operate and to program
- Cycle and contour support
- Easy entry and migration for all users
- Easy setting up of tools and workpieces
- Ethernet onboard
- Clear structured program administration by commercially available CF card

The digital controller for higher productivity:
- Fast, precise and reliable
- Controls up to 4 axes and 1 spindle or 3 axes, 1 spindle and 1 auxiliary spindle (rotating tool)
- Perfect for turning and milling applications, also for small series productions
- Complete structure in one compact operator panel
- Execution of large programs by network or CF card maximum speed
- Without batteries and fan – maintenance-free
- Suitable for telediagnostics

sinumerik
802D sl

SIEMENS

SINUMERIK 802D sl
Offers you flexibility and productivity when drilling, turning and milling

Technical specifications

- 5 digital drives (up to 2 spindles or 1 C-axis)
- 10,4" TFT flat screen
- 1 MB memory (Version plus)
- 3 MB memory (Version pro)
- Frame technology
- Rotary axis
- Look ahead
- Handwheel function
- Up to 64 tools (Version plus)/ up to 128 tools (Version pro)
- Ethernet onboard (Version pro)
- Commercially available CF card as memory medium, accessible via operator panel
- Compressor functions (Version pro)

Convenience as a standard feature

- Integrated pocket calculator
- Part counter
- Program operating time counter
- Onboard help (complete context-sensitive operating and programming instructions)
- Onboard language change (always two languages onboard, large supply of languages contained in scope of delivery)
- PLC program templates for fast startup
- Graphical PLC status indication
- Tool life and operation monitoring

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 802D sl offers you many advantages:

…easy setup of tools and workpieces like ShopMill/ShopTurn
- Manually by scratching
- With touch trigger probe
- With dynamometer
- Graphical support

…graphical contour programming
- Fundamental contour elements enabling a contour to be created quickly and easily

…graphical support for cycles
- Drilling:
  Centering
  Deep hole drilling
  Boring
  Boring with stop
  Tapping with/without compensating chuck (rigid tapping)
- Milling:
  Face milling
  Deep hole drilling
  Thread cutting with/ without compensating chuck
  Row of holes – circle/line
  Drilling, sinking
  Milling of pockets, grooves and circular pockets
- Turning:
  Grooving, undercut
  Stock-removal
  Thread cutting
  Drilling, counter sinking
  Deep hole drilling
  Tapping with/ without compensating chuck
  Boring

…graphical simulation
- Line graphic for programming and editing check
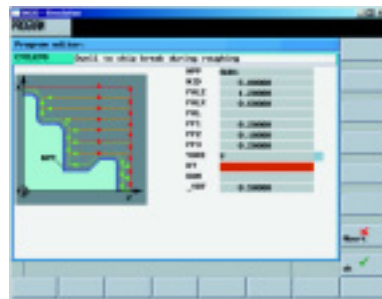
…universally applicable
- Simple teleservice by RCS802
- Processing part programs according to ISO standard
- With instruction to switch to other G-codes and back to ISO-standard
- Ethernet onboard for network

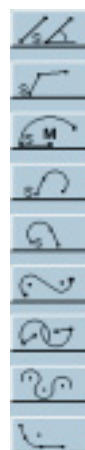#### …commercially available CF card as memory medium
- Faster execution, saving and loading of programs
- Complete serial startup
- Part program memory in any size
- Memory capacity of CF card (type 1) free selectable

Setup function

Graphical support of cycles

Contours

You can find information about this product at Internet website:

http://www.siemens.com/sinumerik802

You can find your local partner under:
http://www.siemens.com/automation/partners

or just mail to our infobox:

802.info@erlf.siemens.de