



control-61

[Industrial PC with Integrated PLC]

■ *Industrial PC, based on an Intel-Pentium processor*

■ *PLC with Motorola 68332 processor*

■ *Field bus master (option)*

■ *Software tools: - System package*

- Data acquisition package

- Statistical package

- PLC package

SIEB & MEYER





The control-61 when combined with drive systems CNC 61.00 and torque-61 offers a complete solution for your control applications. The compact rack in 10-inch technique (6 HU height, 16 WU width) permits harmonious system integration.

The integrated PLC and industrial PC have direct field bus access. This open system structure offers compatibility with components of other manufacturers (e.g. I/O modules or software).

Industrial PC

This industrial PC has been especially designed for the higher demands of the motion power technology. The clear WINDOWS™ graphic user interface eases the system parameterization and data visualization (e.g. SIEB & MEYER diagnostic software or bus monitoring).

- Intel-Pentium processor, 266 MHz
- VGA controller with a resolution of up to 1024 x 768 for flat panel and monitor control
- Ethernet interface for the connection to higher-ranking networks 10/100BaseT (RJ45)
- EIDE hard drive
- 3 1/2-inch floppy disk
- Two parallel interfaces (LPT1, LPT2)
- Four serial interfaces (COM1, COM2, COM3 and COM4)
- Real time clock
- Up to 256 MB RAM
- PC104 socket

PLC

All work cycles of an assembly line are coordinated via the PLC. The communication with the connected inputs, outputs and drives is made either via the field bus master or SIEB & MEYER I/O modules. The programs are created on the industrial PC with a userfriendly programming tool (according to IEC-1131-3).31-3):

- Integrated Motorola 68332 processor as PLC processor
- Expansion interface for process inputs/outputs (option)

Field Bus Master

The field bus master is the link between the active (industrial PC, PLC) and the passive components (nut setting modules, input and output terminals) of a system:

- PROFIBUS-DP
- INTERBUS-S
- CAN-bus

Software Tools

System Package

The system package comprises all functions for the operation, control and programming of control-61. The software has two domains:

- Integrated development environment CNC 61.00
- Nut setting system torque-61



Data Acquisition Package

The package contains software for acquiring the tightening results of connected nut setting modules. The data is saved on the data carrier. The acquisition is made in parallel to the production.

Statistics Package

The evaluation and presentation of the tightening results is made with the statistics package.

PLC Package

The programming user interface SMart-PLC (according to IEC 61131-3) under MS WINDOWS™ 95/98/NT/2000 offers different programming languages. It is a complete tool to create the typical PLC applications.

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