

Intelligent Press Control SCHMIDT[®] PressControl 600



available from
end of October 2011

NEW – Press Control with integrated PLC and
Process Data Management

The **SCHMIDT® PressControl 600** with integrated PLC and process data management is made for intelligent process control of force/stroke monitored **SCHMIDT® ManualPress** as well as **SCHMIDT® (Hydro) PneumaticPress**. Additional automation tasks around the press process can also be realized by the **SCHMIDT® PressControl 600**.

Control Unit

All process integrated system elements and data are controlled and managed centrally by the **SCHMIDT® PressControl 600**. The standard system configuration already includes a basic programming, special applications can be programmed as well.

Features:

- Processing of all process data in real time
- Process reliable production without further peripheral equipment
- Open communication with the peripherals:
 - CANopen
 - Ethernet TCP/IP
 - Profibus DP (optionally via external Gateway)
 - DeviceNet (optionally via external Gateway)
- Communication with other systems:
 - Master SPS
 - ERP
 - CAQ/Statistics System
- Multi-functional process control PLC for an individual design of process. Data will be processed by PLC and process data acquisition in real time.
- Integration of additional I/O's
- Process data acquisition and force/stroke monitoring with process monitored presses
- Connection to database server via Ethernet

Integrated Operator Panel

The integrated operator panel of **SCHMIDT® PressControl 600** with complete operating interface is made for parametrizing and operating the control as well as for visualization, administration, and documentation of process data (dataset management).

Features:

- User-friendly, intuitive menu navigation by touchscreen
- Individual design of user interface
- Keypad with integrated membrane for the input of numerical values and choice of functions
- Softkeys have different functions on different levels and simplify the handling
- Quality evaluation on the basis of force/stroke tolerances, and thus a reliable detection of NOK parts with process monitored presses
- Industrial strength, even in harsh environments
- Protection class IP 54

Software Components

The programming and projecting of the **SCHMIDT® PressControl 600** as well as the data storing is done by software components. The software components can be installed on any Windows PC. The communication with the control unit is realized by Ethernet TCP/IP.

Standard Software:

SCHMIDT® PRC Studio

- PLC editor
- Debugger

SCHMIDT® PRC Project

- Project
- Hardware set-up
- Dataset-management

Optional Software:

SCHMIDT® PRC OPC

OPC server, data exchange via the „de facto“ standard of automation

SCHMIDT® DataBase

- Database software
- Export function for the process specifications/-results in different file formats, e.g. for quality management programs for „Statistical Process Control“ (SPC) or Excel

Technical Data

Industry PC with	- integrated PLC - intelligent process control - diagnosis and service functions - Linux operating system
Drive	Solid State Drive
Field bus	CANopen with possibility to connect: - SCHMIDT® ManualPress 3xx or SCHMIDT® (Hydro) PneumaticPress with SafetyModule (optionally with process monitoring) - additional I/O's Ethernet TCP/IP PROFIBUS DP (optionally via external CANopen/PROFIBUS-Gateway) DeviceNet (optionally via external CANopen/DeviceNet-Gateway)
Interfaces	- Ethernet (10/100 MBit) - 2 x USB
Panel with	- intuitive user interface - diagnosis and service functions
Screen	integrated 7" widescreen TFT display (800 x 480) with touchscreen
EMC	acc. to requirements of EMC law
Power supply	24 V DC with integrated UPS
Ambient temperature	0 – 40 °C
Weight	5 kg
Assembly	mech. adaption VESA 75 for optional table or wall fixture as well as pendant arm

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