

PC 5000touch control system

Standard equipment

HARDWARE

- Powerful modular designed hardware, incl. flash disc
- Deterministic multitasking PLC system
- Solid State Relays for all heating zones
- „Full Size“ switch panel for all manual movements
- USB stick for data archive and user code

CONTROL SURFACE

- Clear presentation – ergonomic working
- Cycle configuration in graphic display
- Hot Key bar for all important machine functions (pages) provides direct page access
- Parameter input in physical values
- Switch to 3 different languages
- Access authority through key switch, Code or USB-stick
- MAPLAN DIAGNOSTIC
- Maintenance program
- Alarm system, Alarm archive
- Integration of user manual, electric plan and mechanic drawings (Hydraulic drawings) in the control surface
- Scalability – Integration of complex automations are possible
- Up to 4 individual customer pages for parameter input and actual parameter Display

STATISTICS OF PRODUCTION

- PDC functions

CYCLE CONFIGURATION

- CMI/OMI – cycle adjustable
- Free, graphic cycle configuration
- Support of up to 4 parallel cycles
- Automatic motion to start position

CLAMPING- / INJECTION UNIT

- 10-step injection speed
- 8-step holding pressure
- Switch to holding pressure via position or hydraulic pressure
- Plasticising ramp for exact shot volume
- Electronic back pressure adjustment*
- Full-controlled back pressure*
- 3 closing speeds
- 3 opening speeds
- Mould protection

TEMPERATURES

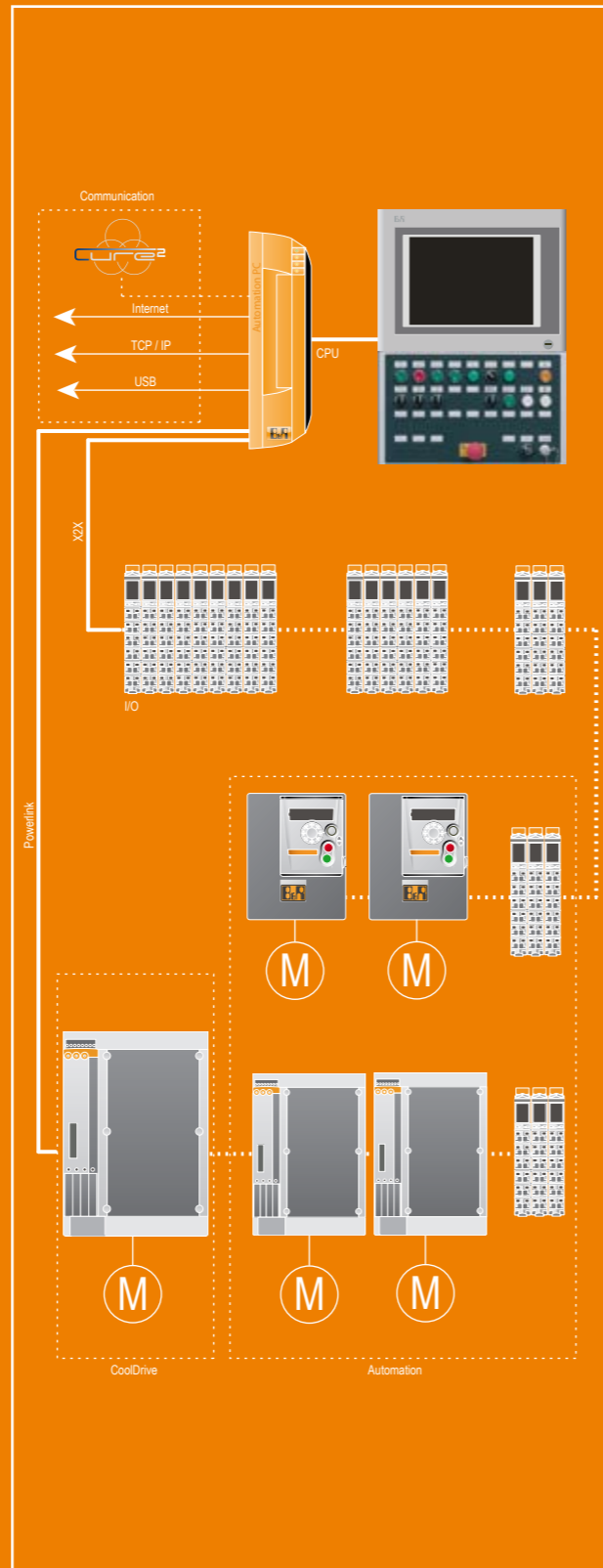
- Temperature zones with self-optimising PID controller
- Heating circuit on timer clock
- On/Off delay for the cooling units
- Emergency cooling program

EJECTORS (if available)

- Ejector stroke measurement incl. speed ramp for injection- and clamp side ejectors
- Mould protection

DATA HANDLING

- Data archive on USB stick, Flash disc or network
- Changes of machine parameter are recorded and archived (set values and PDC)
- Alarm protocol



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rubber injection technology

other options on request * on systems with electric back pressure adjustment

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MAPLAN PC5000touch

STATE OF THE ART CONTROL TECHNOLOGY FOR
INJECTION MOULDING MACHINES, EASY OPERATION,
SUPERIOR DIAGNOSTIC FUNCTIONALITY, HIGH
PRECISION, BEST REPEATABILITY



PC 5000touch control

PC5000touch Control technology
One control generation for all MAPLAN injection moulding machine series and conversion kits. Highest precision and easy operation for efficient injection moulding.



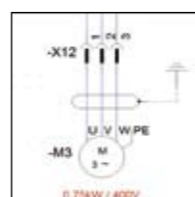
PC50touch
for C-frame machine series and PC5000touch for T-bar machines with clamping forces up to 10.000 kN.



X5touch
The refurbishing solution for indestructible machines made by MAPLAN.



State of the art
safety technology. Thoroughgoing reliability and safety for machine and operator.



MAPLAN diagnostic
easy diagnostic by estimation of prompt measures and instructions for the operating personal, electric and hydraulic plans on display.



Options

- MAPLAN „Cure2“-Interface*
- Graphic display of injection pressure, injection speed, injection power, clamp pressure* and cover curve function
- Transfer moulding
- MAPLAN Transfergraph – graphic display of the transfer process
- Trendgraph – function, multiple signal curves per chart, 10 charts are available
- Closed loop for injection speed, screw speed and back pressure
- Switch to holding pressure via cavity pressure sensor*
- Mould opening with ejectors
- Over pressing ejectors
- Additional temperature zones
- Heat current control (with teach-in-function)
- Control of additional machine equipment
- Control of different shut off nozzle systems
- EUROMAP interfaces
- Logical movements
- Logical servo axis

* not available on MAPLAN „edition“ series