

maax 100S



Features:

- Convenient and safe operation via colour display with touch function and keys
- Up to 16 temperature zones
- Online language changeover

Benefits:

- Simple and clear operation of the line-start and stop procedures
- Increased productivity, previously used operating parameters can be called up easily, long levelling is avoided and the line is quickly made operable during product changeover (cost saving)
- Scalable visualisation of various operating parameters in a trend display

Simple integration

Integrating new components into an existing extrusion or compounding line calls for modifications to the control technology. The coordination of these components poses a huge challenge. The **maax 100S** automation system is the ideal solution for integrating melt pumps and screen changers. It simplifies operation, control and adjustment of the operating parameters. This controller is the ideal solution for providing formula and data management in a known environment. Plant flexibility is also enhanced by the effect of additional features, e.g. on pump inlet pressure over the setpoint value (pump inlet pressure control).

Method of operation:

- Quick error detection via plain text messages
- Automatic run-up to initial start speed
- Pressure controlled operation from start
- Integrated filter monitoring
- Integrated temperature control of plant components
- Quick and precise control of pump admission pressure

Technical specifications:

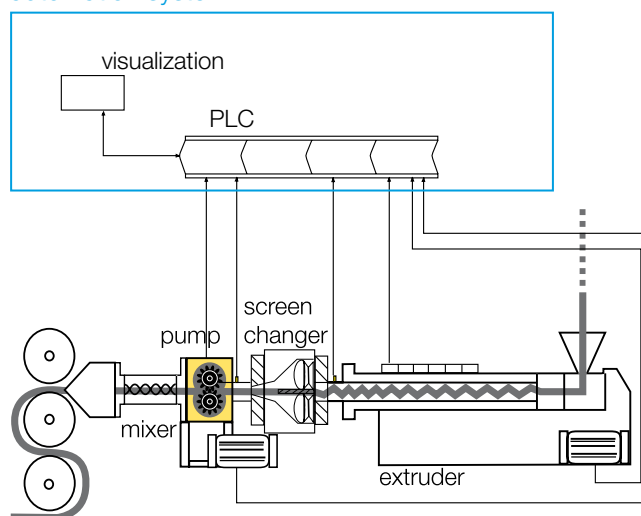
Analogue inputs 0–10 V:	8
Analogue outputs 0–10 V for drive actuation:	3
Melt pressure measurements:	3
Melt temperature measurement:	1
Types of temperature sensor:	J, L, 0 V to 10 V, PT100
Configurable control circuits:	1 (Pump inlet pressure)
Interfaces:	MPI Profibus, USB, Profinet/Ethernet
Monitor:	5.7" LCD display, resolution 320x240 pixel with 256 colours
Auxiliary power:	24 VDC, –15% to +20%, approx. 3 A
Operating/storage temperature:	0 to +50°C / –20 to +60°C
Formula storage:	internal Flash memory, memory card

maax 100S offers you a full service:

- All electrical equipment incl. the automation system supplied
- Supply and construction of all required mechanical assemblies and parts including connectors, flanges, bases, etc.
- Supply and integration of melt filtration systems
- Installation of electrical and mechanical assemblies
- Process technology optimisation and guidance
- Commissioning incl. operator training
- "Round-the-clock" service with short response times

maax 100S as a component of expac®

As a system supplier, Maag Pump System offers complete assemblies for your extrusion plant comprising **extrex®** gear pump, screen changer, **maax 100S** and drive unit. As a sum total of the individual parts, the **expac®** system enhances the productivity of your process. The experience garnered by Maag Pump Systems allows all components to be wisely networked, hence achieving an optimised solution and significantly increasing operational reliability. Plant flexibility is also enhanced by the effect of additional tolerances, e.g. on pump admission pressure over the setpoint value (pump admission pressure control).

automation system**Switzerland**

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