

maax[®] 3

Cost-efficient integration solution for extrusion lines



Cost-efficient retro-fitting of an existing extrusion or compounding line calls for well-thought modifications to the control technology.

The maax[®] 3 automation system developed by maag is directly integrated into the frequency converter of the pump. It is the ideal solution for retrofitting extrusion lines with gear pumps in a cost-efficient manner. Operation, control and regulation are simplified. This guarantees an optimum protection and operation of the gear pump. The process and operation reliability of the entire plant are increased.

Your benefits

- Simple and clear operation of the line
- Cost-effective control system with integrated shut down and interlock function
- Rapid and precise regulation of the pump pressure
- Error detection via error messages
- Simple system integration

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Features

- Convenient and safe operation via rotary control button
- Inlet pressure control integrated
- Optional heating controller

Method of operation

- Error detection via code messages
- Automatic run-up to initial start speed
- Operation with pressure regulation from the start
- Software for Compounding or Extrusion control
- Quick and precise control of pump admission pressure

maax[®] 3 as a component of expac[®]

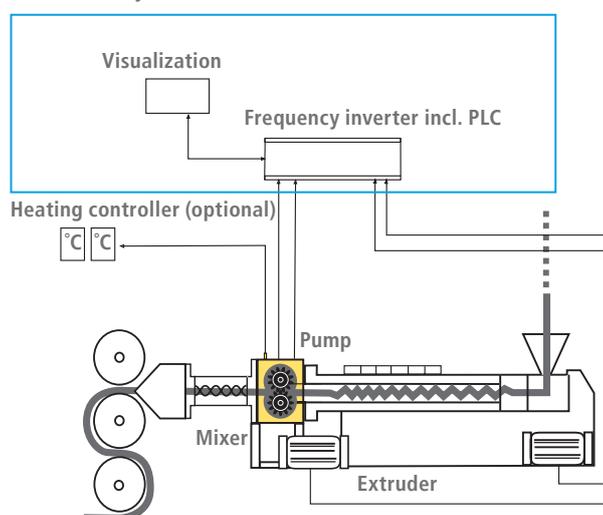
As a system supplier, maag pump system offers complete assemblies for your extrusion plant comprising extrex[®] gear pump, screen changer*, maax[®] 3, and drive unit. As a sum total of the individual parts, the expac[®] system enhances the productivity of your process. The experience gained by maag pump 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).

* Optional

Technical specifications:

Analogue inputs 0-10V:	4
Analogue outputs 0-10 V for drive actuation:	1
Melt pressure measurements:	2
Configurable control circuits:	1 (Pump inlet pressure)
Parker keypad:	G 911 backlight display
Operating/storage temperature:	0 to +50°C / -20 to +60°C
Logs:	Alarm

Automation system



On request maax[®] 3 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.
- Installation of electrical and mechanical assemblies
- Process technology optimisation and guidance
- Commissioning incl. operator training
- "Round-the-clock" service with short response times