Scheugenpflug
Engineering Improvement

Product Information
A280

A280

The A280 is a feeding system for processing highly abrasive and thermally conductive adhesives. In the A280, a robust Scheugenpflug double piston pump feeds the material into the system. The comfortable SCP200 touch screen display allows easy control of the dispensing process.

For handling of:

highly viscous and abrasive dispense materials, i.e. thermally conductive adhesives and pastes for thermal management.

Area of application:

For applying thermally conductive adhesives and pastes in the form of lines, beads or dots.

Feeding system for thermally conductive adhesives and pastes: A280

That's NEW! :

- SCP200 Control Unit with flat navigation for fast and easy operation.
- Exact placement of the dispensing material pail made effortless with the ergonomic hobbock drawer.
- Quick feed pump replacement instead of operator maintenance.
- Clearly arranged maintenance and control components.
- Low maintenance through optimised line routing and rugged pump system.

Application examples:
Dispensing of pastes and adhesives in lines, beads or dots

Benefits and Advantages:

- Tried and tested production line technology using top-of-the-line standard components
- Patented Barrel Follower Plate system and continuous filling level monitoring to avoid waste of dispensing material
- Simple and intuitive operation thanks to a 7" full-graphics touch screen display
- Instant on-the-fly switching of operator display language
- Easy updates via USB interface and the Scheugenpflug Update System
- Pump with integrated rinsing liquid container
- Software wizard to guide the operator through the docking procedure
- Digital in/out sockets for external control and automatic programme selection available as additional features

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A280 Operation:

The A280 is designed to process thermoconductive and highly abrasive dispensing media. The material is loaded by means of a Vacuum Barrel Follower Plate. The purpose built follower plate is lowered into the original container (hobbock, pail) where the pressure applied pushes the dispensing mass up through a central opening and into the feeding line. The air trapped between the plate and the surface of the dispensing material is removed through the plate by a vacuum pump, preventing it from entering into the dispensing material and into the feeding process. At the same time the material surface is levelled, which facilitates a constant flow of the dispensing mass. A controlled filling level measurement system ensures that the container is emptied completely. In addition, a warning signal on the operating panel or via the external interfaces informs the user when the pail is nearly empty. The single-use Vacuum Barrel Follower Plate can be disposed of with the empty container.

The Result: fully automated, clean feeding with minimal material waste and an excellent process quality.

Variants / Models:

The A280 is available as manual work station, as stand-alone system and can be integrated into an in-line unit as well.

Combination possibilities:

- Dos P-Series (Piston Dispenser)
- CNCell Systems

A280 & CNCell

A280 & InlineCell

Control Unit Operation:

The intuitive microcomputer controller works PC based and provides full-graphics display of information. It controls all steps from the docking procedure, over the feeding of the dispensing mass into the system, to actuating the metering unit. The control unit makes it easy to fulfil monitoring, maintenance and analysis tasks and thus helps the operator to perform all production processes quickly and flawlessly. It is easy to set up, which allows for quick adaptation on site. On the comfortable and easy-to-use 7" touch screen display the operator can enter and access all programmes in various languages. The display has been designed with user requirements in mind and is based on DIN ISO 9241 standards. Therefore, all process relevant data are readily available on the main menu level. A flat menu structure with very few navigation levels provides quick and easy access to all parameter settings.

Scheugenpflug Microcomputer Controller SCP200

1C

1C with interruption-free feeding

2C

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