

## A90 B (Booster) Pressure Feeding

Designed for an efficient production process, this machine pushes the pressure for feeding cast resin out of cartridges and so accelerates the Metering process.

The A90 B is adaptable to different sizes of cartridges and suits for highly viscous and filled cast resin.

### For handling of:

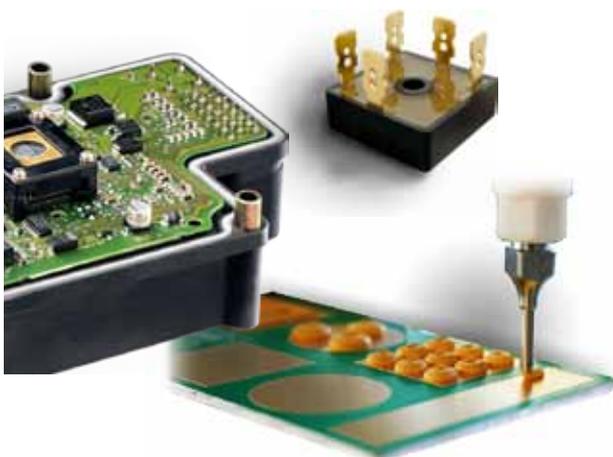
viscous and filled dispensing material out of cartridges. The A90 B can be used for one as for two component medias.

### Area of application:

Simple dispensing tasks under atmosphere for different types of electronic work pieces.

### Advantages:

Unbeatable price-performance ratio and acutely space saving.



Application examples:  
dispensing and potting of cast resin



### Application of Cartridges:

The material is fed by pressure air. Pressure air pushes on the cartridge cap and presses the material out of the cartridge to the dispenser.



Empty Cartridges

### Function A90 B:

The material is fed out of the cartridges into the piston pump and from there, with high pressure to the dispenser. Like this the filling time for the dispenser is clearly reduced.

For improving the pressure, the approved and highly robust piston pump from Scheugenpflug was modified and adapted to the needs of the A90 B.



Pressure-booster sideview

## Function Metering System:

The vacuum-sealed design and the fact that the metering cylinders are filled by pushing and not drawing both result in bubble-free metering (the cylinders are only filled using the material feed pressure). The piston diameters for the resin and hardener determine the mechanically fixed mix ratio, regardless of external influences like temperature, air pressure or viscosity. The dispensing material is expressed through an exactly simultaneous piston movement and guarantees a constant mix ratio.

The resin and hardener are met only in the static mixing nozzle. There is no reactive material of both components inside the dispenser, therefore no cleaning and rinsing required.

The rinsing- and protective liquid prevents the piston seals from erosion by removing the filler materials from the rear side of the seals and the cylinder walls and at the same time prevents air moisture damage.

Further advantages: equipped with robust mechanical driving components, precision motor, linear guides and integrated metering monitoring sensors.



Piston Pump Dispenser:  
Dos P016-2C/01

## Control Unit Operation:

The intuitive microcomputer controller works PC based and provides full-graphics display of information. All functions are covered from feeding and metering unit up to the dispensing task. 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

## Variants:

The Dos A90 B is a material feeding and metering concept with cartridges. It comes with a Scheugenpflug Piston Dispenser with a tabletop stand and an onboard Microcomputer Controller.

The A90 B can be integrated into a CNC cell (production cell) as well.