

# Dependable Dosing.

With **Novotechnik**.

Dosing technology for viscous and granulate materials: clean and easy to use. Practically infinite functionality and a wide range of deployment possibilities – helping you work professionally without compromise. Modern dosing technology combining micro-processor controlled multiphase motors with high-precision dosing accuracy – opening up a whole new dimension of usability and controllability. In operation, this technology guarantees you constant material flow and thus enables exact dosing of even the smallest amounts, both in micro injection molding and for small lab extruders. At the same time, it can of course be used for the biggest machines and for extrusion processes with the highest output performance. Modern pumps are equipped with user-friendly calibration systems, making color changes possible within seconds during daily operations. The gravimetric version has an automatic calibration function and self-monitoring system.

## Performance:

- Stronger, more accurate multiphase motor (0.1 – 400 rev/min), injection molding, extrusion mode, provision for re-granulate use, monitoring of dosing volume, warning for remaining quantity, software upgrade via internet, USB
- Connections: USB, LAN, WLAN, BlueTooth
- Control/data transfer via handheld unit or PC
- Access authorization easily customized
- Operation via browser interface
- 24 month guarantee
- Dimensions: 28 x 24 x 17 cm
- Weight: 10 kg
- Gravimetric version

## The possibilities:

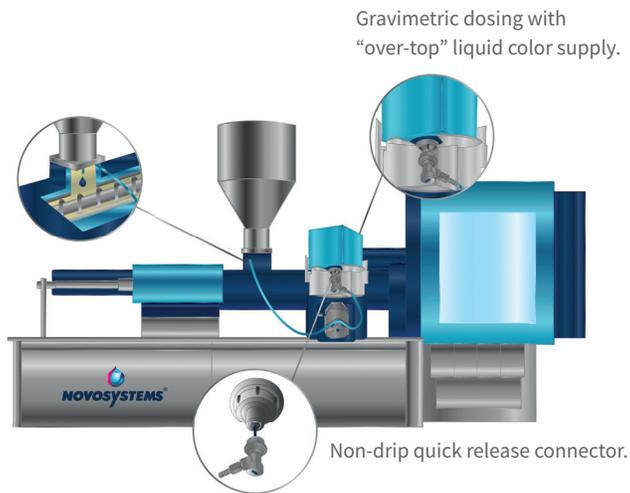
- Easiest calibration
- Log/statistics of all relevant processes
- Inventory control of amounts of color
- Up to 100 pumps managed from one location
- Quick release system for easiest handling
- Color changes within seconds
- Liquid color stays in a closed system
- Visual and acoustic signals
- Portable device for use at different locations
- Different feed systems possible
- One pump/control system for different applications
- Automatic calibration via optional gravimetric control function

## The dosing solution is tailored to your exact requirements.

To this end, we work closely with a carefully selected group of professional plastic product manufacturers and equipment manufacturers. As a result, our **Novotechnik** group of products is always up-to-date. If you have any suggestions, comments or questions about our products, please feel free to get in touch:  
[info@novosystems.de](mailto:info@novosystems.de)

### Dosing options.

The color can be fed from a wide range of containers in a closed system directly to the molding machine.



### Feed technology:

#### Volumetric:

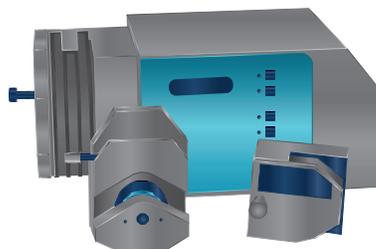
Feed amount is determined with a simple calibration method.

#### Gravimetric:

Feed amount is automatically measured and monitored by the system by means of a set of fully integrated scales.

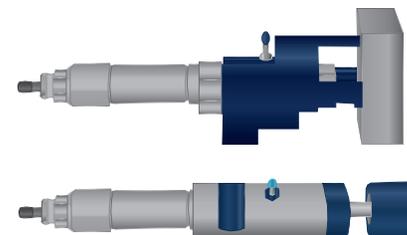
### Peristaltic pump heads:

The coloring solution comprises a closed container, a dosing pump, a flexible tube and a dosing lance. Once the tube is connected between the container and the molding machine, it is placed in the pump head and is made fully operational by the automatic tube fixing function.



### Mono-pump (eccentric worm-drive pump head):

The eccentric worm-drive pump head is designed for very high dosage rates for coloration as found in extrusion applications. The use of an eccentric worm-drive pump head enables linear feed volumes for the whole range of dosage amounts, making gravimetric controls practically superfluous. A special quick-release system makes fast changes of eccentric worm-drive units possible.



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