



DISPENSE

TECHNOLOGY

Straight to the point.

PROFI DISPENSE 06

Flexible integration.

PROFI DISPENSE 06 are professional dispensers. With their extremely flat housing format and the remote dispensing head these devices are professional solutions to be integrated in automation technology.



Top Features

Dispensing faithful to parameters



Professional solution

Optimal design allows for perfect integration



Tempering

Heating and cooling of media with limited pot life for complicated applications



Precision

Smallest volumes through external pneumatic unit with short hose lengths



Software

Intuitive software offering use of dispensing recipes and the material library



Process reliability

Dispensing pressure, temperature and retract vacuum are configured through the program



Interfaces

USB, TCP/IP, RS232, Ethernet

AUTOMATED DISPENSING

Full control.

Using a machine-PC or a system control all parameters such as dispensing pressure, retain vacuum or nozzle and cartridge temperature can be parameterized allowing a

complete control over the dispensing process.

The latest interface technologies enable the connection to the most modern system controls.

Cartridge temperature control

Temperature range $-15k < \text{Ambient} < \text{max. } 50^{\circ}\text{C}$.

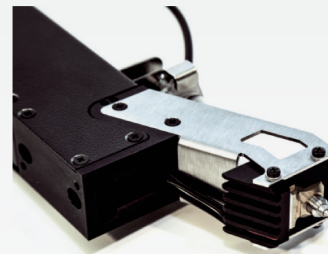
Extending the pot life for fast hardening materials and for optimizing the dispensing process through material-specific ambient temperature.



Nozzle tempering module

Temperature range $-15k < \text{Ambient} < \text{max. } 50^{\circ}\text{C}$.

Thereby application and moistening of the material is optimized and reproducible during the entire production process..



Height sensor

For precise contact to the substrate's surface. Increases the producibility of the dispensing result on uneven surfaces..



Interfaces

A network interface for integration is standard, as well as a USB and I/O interface for controlling the dispensing pulse via TTL or 24V-signals.

OEM integration

Being a company with development and production in Germany we would like to support you with your individual automation solutions.



source: www.fritsch-smt.de

CLEVER DISPENSE 06

Manually or automated.

CLEVER DISPENSE 06 are professional dispensers for applications that require a maximum precision. Whether manually or automated – the volumetric operating dispensers convince due to their process stability.

Dispensing pressure, temperature and retain vacuum are set program-controlled. Communication via digital interfaces supports the control of all dispensing parameters.



Top Features

Heating and cooling



Automated & manual

Flexibly deployable dispensing heads of various sizes



Repeatability

A consistent volume can be dispensed with the volumetric dispensing device, regardless of the viscosity



Process reliability

Dispensing pressure, temperature and retract vacuum are configured through the program



Tempering

Heating and cooling of media with limited pot life for complicated applications



Software

Intuitive software offering use of dispensing recipes and the material library



Interfaces

USB, TCP/IP, RS232, Ethernet

DISPENSE

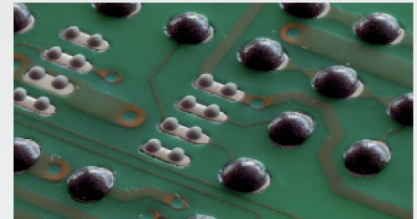
In no time.

The perfect balance of electronic, pneumatic and sensor technology ensures a very high accuracy and reproducibility in dispensing lines and dots. Ideal dispensing tasks can be performed due to enormous configuration depth.

All parameters can be stored in dispensing recipes and called up later in an instant.

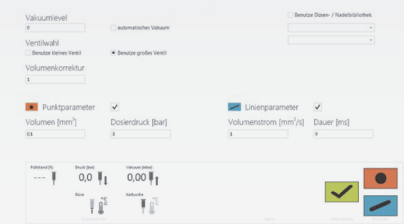
A real all-rounder

No retrofitting – simple dispense of materials with viscosity from 10 mPas to 100,000 mPas. Without any manual assistance the dispensing energy, retain vacuum as well as the required dispensing pressure are fully electronically controlled.



Dispensing according to recipe

The well-arranged PC software CLEVER DISPENSE Pro allows comfortable operation according to recipes. All application parameters are stored in the material library and allow complete control of the dispensing process from liquid to pasty material. All recipes can be executed using the graphic display.



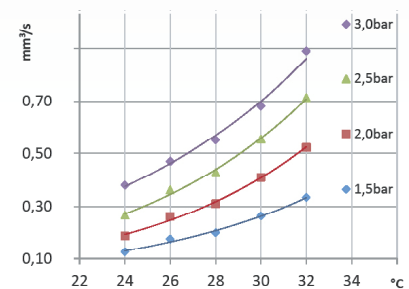
Easy integration

The highly integrated and very compact design of the CLEVER DISPENSE 06 is perfectly suitable to application in automation. Most modern interfaces are available for connection to the system control.



Volumetrisches Dosieren

Precise measurement of the dispensing pulse energy is the basis for high-precision dispensing. Also, to compensate viscosity variations, the current material temperature is included in the calculation. The dispensing parameters are determined through volumetric input of the dispensing quantity based on stored material characteristics. Those parameters are permanently monitored and automatically adjusted to environmental influences (temperature, pot life, filling level).



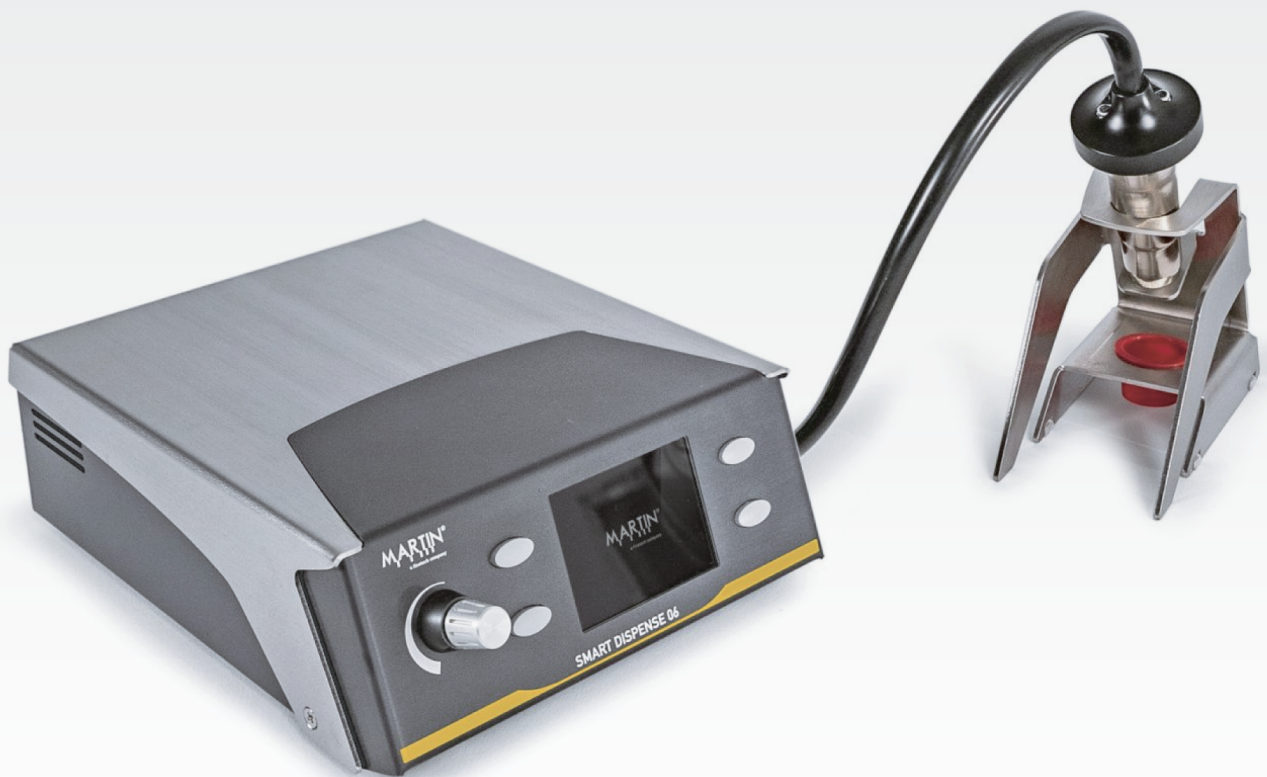
Flow Rate Solder Paste

SMART DISPENSE 06

Manually and precise.

SMART DISPENSE 06 is a high-quality device for manual dispensing tasks that require high-precision. The volumetrically operating dispensers in which the dispensing pressure and the temperature are adjusted program-controlled on the

dispensing nozzle, convince due to their process stability in application of liquid to pasty media.



Top Features

Dispensing pressure and temperature are controlled by program



Fully electronic dispensing device

Manual procedure



Repeatability

A consistent volume can be dispensed with the volumetric dispensing device, regardless of the viscosity



Plug and Play

Intuitive operation through direct access to parameters such as pressure, time, temperature



Format

Compact format, innovative design, intuitive software



Temperature control

Heatable dispensing pen for regulating temperature of the medium



Flexibility

Exact dispensing results for low to highly viscous materials through temperature regulation

DISPENSE TECHNOLOGY

Professional workaround.

Find the right solution for any application in the wide selection of dispensing nozzles and adapters. MARTIN dispensing nozzles are designed to expel material with a minimum primary pressure. They are ideal for dispensing

minimal amounts. All nozzles are equipped with a standard Luer-Lock connecting thread and compatible with MARTIN heating modules.

Martin Technologies

Solder pastes lead-free or leaded

Solder pastes capable of dispensing – lead-free or leaded – are available in stock, with grain sizes from class III to class VI. Solder pastes are delivered in thermal packaging from a minimum quantity of one with specifications on optimum dispensing parameters for temperature and pressure included.



Dispensing nozzles with spacer

Mechanical spacers ensure constant distance between dispensing nozzle and substrate and thus reproducible results.



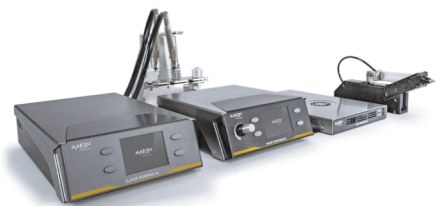
Cleaning dispensing nozzles and substrates

Cleaning liquids and tools protect your dispensing nozzles from early wear. Solder paste and other materials can be removed without leaving any residues.



Online Shop

MARTIN is your core partner for dispensing needles, dispensing nozzles, cartridges and more consumables of the dispensing technology. Please visit our onlineshop.



SERVICE

Support around the globe.

Martin is represented in 42 countries worldwide. Find your local contact person or contact the employee responsible for your region in Germany. In addition, we support you with

our practice-based seminars held at our training centers. They provide you with sound knowledge and make the most modern MARTIN device technology available to you.



Onlineshop

www.martin-smt.de