

SONDERHOFF

DM 90

Mixing and dosing machine for semi and fully automatic application processes for bonding, sealing and potting materials



MODULAR AND **HANDY**

The modular workstation for processing and dispensing of low to highly viscous 1- and 2-component bonding, sealing and potting materials

The SONDERHOFF **DM 90** is a modular dosing machine for semi-automatic and fully automatic processes, that can be customized to specific production and process requirements by considering static or dynamic mixing demands.



RELIABLE AND EASY TO OPERATE

For consistently meeting your high quality requirements

The **DM 90** has been specifically developed for demanding applications in a variety of industries. It is ideally suited to:

- Home appliance industry, for example in the production and assembly of ovens, cooktops, refrigerators and washing machines, dryers and dishwashers;
- Automotive industry, particularly for e-mobility applications, front lighting systems, exterior components and the vehicle's electrical and electronic architecture (EE).
- Medical and filter technology: including precise processing of dialyzers, oxygenators and hollow fiber potting components.

This broad range of applications makes the DM 90 a powerful solution for modern manufacturing processes where precision, reliability and flexibility are essential.

Flexible – today and tomorrow.

The compact and modular design of the **DM 90** meets all technical and quality requirements of suppliers – not only for the mentioned applications but also for a wide range of industrial use cases. Especially in the precise processing and dosing of 2-component materials, the automation of

manual processes, and the traceability of process data, the **DM 90** demonstrates its strengths. Its modular architecture allows for easy adaptation to changing production needs – both now and in the future.

Guaranteed quality and efficiency.

With the launch of the DM 90, we ensure the high quality you expect – while also offering benefits such as reduced material consumption, shorter production times, and increased consistency and reliability in mixing and dosing. Industry 4.0 features, a global service network, and the option for seamless integration into existing automation lines highlight the DM 90's future-readiness.

User-Friendly and Space-Saving.

The **DM 90** is designed to enable operators to handle a wide range of tasks safely and intuitively – supported by a 15.6" touchscreen for control and visualization.

An integrated process data logging system records material pressures, pump torque, weighing data, correction factors, and alarm messages. A standout feature is the interactive, menu-guided calibration and dosing process, continuously verified via precision scale weighing.

DM 90 **OVERVIEW**

Touchscreen

Visualization and operation via 15.6“ touchscreen with interactive menu-guided calibration and dosing process

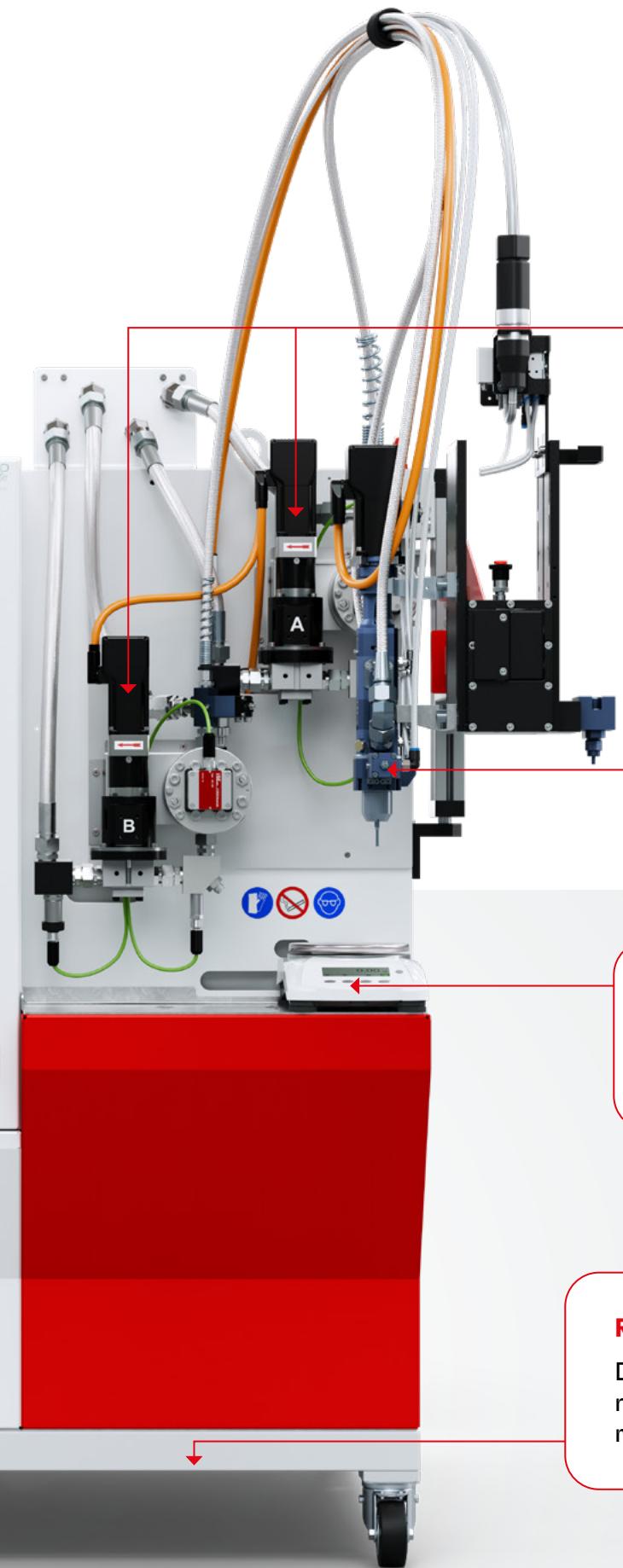
Process data logging

of material discharge quantities, mixing ratios, material pressures, pump torques, weighing data, correction factors and alarm data

Operating mode control panel

with warning lights, key switch for preselecting the operating mode and EMERGENCY STOP shutdown





Precise dosing pumps

Both gear pumps and screw pumps are available for particularly abrasive materials. The pump size is individually adapted to the customer's process.

2K precision mixing head with static mixing

with servo drives, for discharge rates infinitely variable from 0,2 to 30 g/s and mixing ratios from 10:1 to 1 : 1 (depending on pump size and material viscosity)

Integrated precision scale

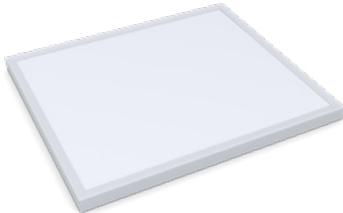
for permanent weighing check
for calibration and dosing

Rollable chassis

Dosing machine
mounted on
rollable chassis

MODULAR MACHINES **FOR** VARIOUS APPLICATIONS

HOME APPLIANCE



Clothes washer
Top lid bonding

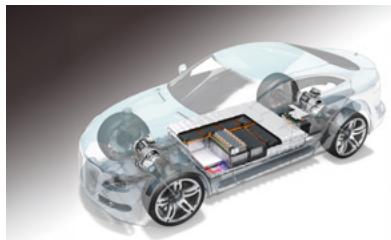


Clothes washer
Control panel bonding



Clothes washer / dryer
Glass door bonding

AUTOMOTIVE INDUSTRY



E-Mobility batteries
Structural bonding



E-Mobility batteries
Potting



Headlamp
Bonding

OTHER APPLICATIONS



Medical Technology
Dialyzers and Oxygenators potting



Liquid Filtration
Hollow fiber potting



Recreational Vehicles
Bonding



Oven / microwave
Door panel bonding



Cooktops
Edge sealing



Exterior
Bonding



Electronic architecture
Bonding and Potting

PERFECTLY COORDINATED SOLUTIONS FOR MATERIAL, MACHINE AND CONTRACT MANUFACTURING FROM A SINGLE SOURCE

With the Sonderhoff brand, Henkel has many years of experience in the manufacture of customized 2-component sealing systems, mixing and dosing machines, process expertise and know-how for application-specific material processing.

With the Sonderhoff portfolio, we offer you the advantages of a system provider from a single source and the solutions for your technical and commercial challenges.

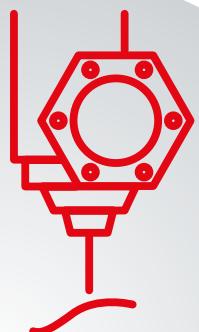
We ensure efficient production processes meeting the requirements of fully automated series production and are available to you worldwide with our service staff.

If you want to benefit from all the advantages for your production flexibly, quickly, easily and without having to invest in your own procurement, we can take over the sealing of your parts from experts at one of our contract manufacturing locations worldwide. There, the spectrum ranges from prototype sampling and small series to series production on a production scale.

The choice is yours!

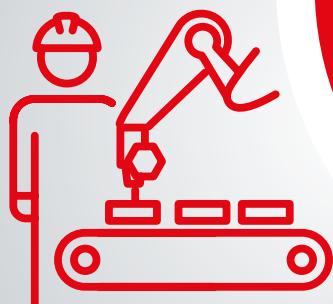
You can either opt for our all-inclusive package, consisting of material, machine, and contract manufacturing, supported by application advice, sampling and training.

Or you can choose the individual solutions that suit you best. We combine our products and services from a single source to provide you with the optimum solution for your requirements profile.

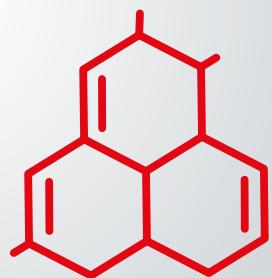


EQUIPMENT

Automation
Solutions



MANUFACTURING



MATERIALS

CUSTOMERSPECIFIC **SOLUTIONS** – WORLDWIDE AND FOR MANY **INDUSTRIES**

- Kolo, Poland** ━━━━ External Subcontracting Location
- Düsseldorf, Germany** ━━━━ Center of Expertise
- Elgin, Illinois, USA** ━━━━ Regional Hub
- Richmond (Kansas City), USA** ━━━━ Regional Hub
- Dornbirn, Austria** ━━━━ Center of Expertise
- Barcelona, Spain** ━━━━ External Subcontracting Location
- Oggiono, Italy** ━━━━ Regional Hub
- Incheon, Korea** ━━━━ External Subcontracting Location
- Shanghai, China** ━━━━ Regional Hub
- Pune, India** ━━━━ Regional Hub
- Pune, India** ━━━━ External Subcontracting Location
- São Paulo, Brazil** ━━━━ External Subcontracting Location



The Henkel specialists for the Sonderhoff portfolio are available globally

At our Centers of Expertise and Regional Hubs, our specialists offer application engineering advice, e.g. on the selection of a suitable material system and the sampling of your components, as well as project management for dosing systems and automation. You will receive training from us and we will support you with the selection of spare parts and a regular service offering.

Furthermore, we will be pleased to take over parts of your production for you – from small to large series – at our subcontracting locations.

Sales staff at all other Henkel locations worldwide will also be happy to answer any questions and provide you with further information on our sealing, bonding, and potting solutions.

We look forward to hearing from you.



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