

# 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

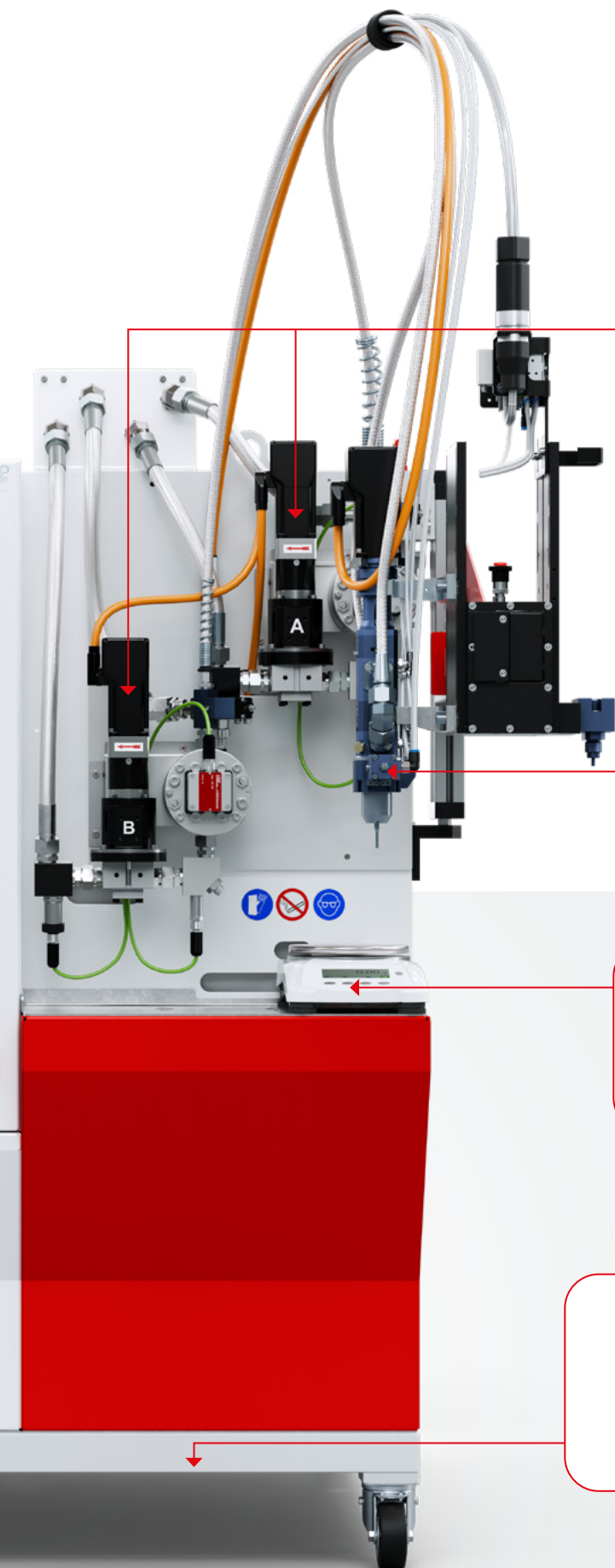
## **Process data logging**

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

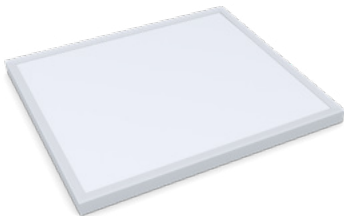
### **Rollable chassis**

Dosing machine mounted on rollable chassis



# MODULAR MACHINES **FOR** VARIOUS APPLICATIONS

## **HOME APPLIANCE**



**Clothes washer**  
Top lid bonding

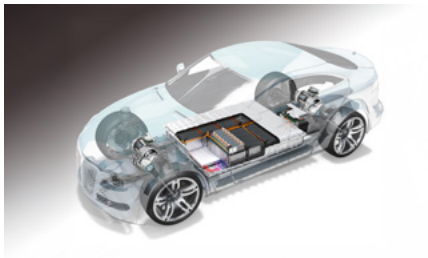


**Clothes washer**  
Control panel bonding



**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.

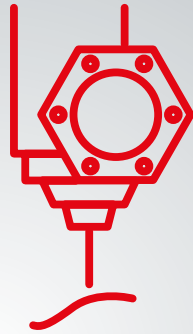
If you want to benefit from all the advantages for your production flexibly, quickly, easily and without having to invest in your own procurement, we can take over the sealing of your parts from experts at one of our contract manufacturing locations worldwide. There, the spectrum ranges from prototype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



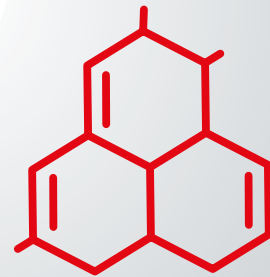


**EQUIPMENT**

# 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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