

# SONDERHOFF DM 70 COMPACT

Manual mixing and dosing machine for one or two components



# Space-saving and handy

## The mobile workstation for manual material application

**The SONDERHOFF DM 70 COMPACT is a low-pressure mixing and dosing machine for the processing of one or two components in manual operation for sealing, bonding and potting. This machine precisely processes and doses liquid, medium and high viscosity compounds such as polyurethanes, silicones, epoxy resins or other polymeric reactive materials.**

### Simple processing

The SONDERHOFF DM 70 COMPACT is designed in such a way that you as an operator can easily and safely fulfil the most diverse tasks. The operation is carried out with a 7" touch screen. The SONDERHOFF DM 70 COMPACT is based on a non-recirculating system with continuous material dosing by means of precision gear pumps. The processed materials are mixed by a static mixing head (SONDERHOFF MK 20) or a dynamic mixing head (SONDERHOFF MK 50). All machine components are housed on a mobile chassis. The easy access to the machine allows fast and comfortable completion of service and maintenance work.

### Guaranteed quality

The mixing and dosing machine SONDERHOFF DM 70 COMPACT processes the used materials with constantly high production quality. The machine control allows the operator to store and monitor the main material-processing parameters, such as material reactivity data. In addition, parameters for automatic rinsing or automatic repeat shot dosing, and the gauging and shot time can be programmed, as well as the material feed quantity and mixing ratio can be set variably.

### Flexible today and tomorrow

The SONDERHOFF DM 70 C permits the manual application of a wide range of materials by means of a handheld pistol, consisting of either the SONDERHOFF MK 20 or SONDERHOFF MK 50 mixing head. The mobile stand-alone system SONDERHOFF DM 70 COMPACT for manual operation can be used in your production in a space-saving manner.

Functional design, proven technology and reliable processes guarantee the profitability of your investment.



Manual application of potting compound with the SONDERHOFF MK 50



Manual potting with the SONDERHOFF MK 20

# Dynamic or static –

Only your requirements count

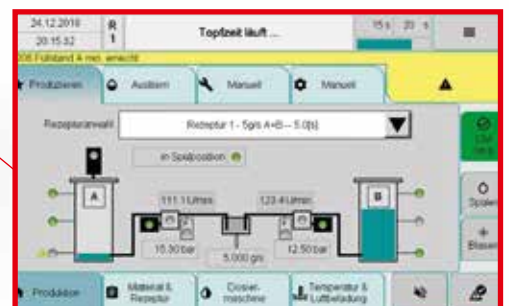
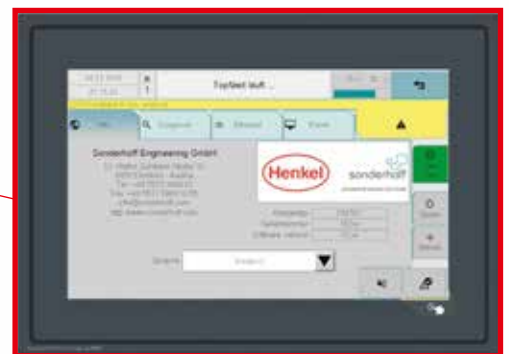
## Henkel is the system supplier for polymeric sealing and potting systems.

From us, you get the dosing technology AND the application-specific chemistry from one source – tailor-made for your process and from our own development and production!

The knowledge consistently acquired over many years, as well as more than 1,000 recipes are the guarantee for optimal customer orientation, tailor-made products and market-driven solutions – for your industry as well.

Henkel masters the interplay of material and machine, combining chemical-technical expertise with creative engineering in the fields of sealing foams, bonding and potting. Whether for fully automated inline production systems or manually operated stand-alone systems such as the SONDERHOFF DM 70 COMPACT, Henkel products always stand for precise, reliable and easy-to-operate production processes.

And so, with the SONDERHOFF DM 70 COMPACT, too, the sophisticated operating concept is the key to the consistently high quality of the dosed sealing and potting materials.



### SONDERHOFF DM 70 COMPACT

2-component dosing system with dynamic mixing head  
SONDERHOFF MK 50 on mobile chassis

# SONDERHOFF DM 70 COMPACT

## Technical data

### CONTROL CONCEPT

- › Modular contact-free control with operation and visualization via 7" touch screen, integrated in the switch cabinet
- › EMERGENCY OFF function by master switch
- › Recipe management
- › Dosing machine on mobile chassis
- › Programmable pot life monitoring and dosing quantity preselection
- › Automatic rinsing and material conditioning
- › Spontaneously available material feed quantity adjustment by means of frequency converter
- › Pressure monitoring of the components
- › Digital display of components' working pressure

### CONTROL

- › Speed adjustable spur gear motor with setting at the display
- › Drive power: 0.75 kW
- › Drive speeds: 15 – 260 rpm

### PRECISION GEAR PUMPS (OPTIONAL)

- › Size: 0.1/0.2/0.3/0.6/1.2/3.0/6.0 ccm/R
- › Special pumps on request

### HOSE PACKAGE

- › Length 3 m, with all electrical and pneumatic connections
- › A-component: textile-reinforced polyamide high-pressure hose
- › B-component: steel-reinforced PTFE high-pressure hose

### PNEUMATICS

- › Pneumatics with filter pressure reducer and micro mist lubricator
- › Maintenance unit for supplying the pneumatic consumers

### CONNECTED VALUES

- › Electricity: according to EN 60 204 - 1
- › Electrical power supply: 3 x 400 V, 50 Hz
- › Rated power: approx. 4 kVA (basic version)
- › Ø consumption: approx. 2 kVA (basic version)
- › Compressed air connection value: 100 – 550 L/min at 6 – 7 bar

### DIMENSIONS

- › Tank / pump chassis: W/H/D 1,400 x 1,300 x 850 mm
- › Switch cabinet: W/H/D 600 x 600 x 210 mm; with voltage adjustment 600 x 800 x 250 mm
- › Total weight: approx. 400 kg

### GENERAL

- › Mixing ratio: 100 : 5 – 1 : 1, infinitely variable
- › Output quantity: from 0.1 to 100.0 g/s, other output quantity on request
- › Viscosity processing range: from 100 to 2,000,000 mPas, other viscosities on request
- › Chassis: design in shaped tubular-steel welded frame, painted RAL 5015

# SONDERHOFF DM 70 COMPACT

## Options

### CONTROL

- › Display languages available in English, German French, Spanish, Italian
- › Strand identification
- › Operating hours counter
- › Voltage adaptation to different power-supply ratings, 60 Hz version

### QUALITY ASSURANCE

- › Maintenance unit for monitoring of compressed-air supply
- › Pressure monitoring of the components
- › Additional quality assurance devices are adaptable according to customer requirements

### MATERIAL PREPARATION

- › Material pressure tank with capacitive minimum fill level sensors, shut-off ball valve, with compressed air fittings and compressed air reducer valves for pre-pressure control of the tank pressures
- › Safety pressure valve (TÜV type approved)
- › 24 L or 44 L material pressure tank, single-walled, stainless steel
- › 44 L material pressure tank, double-walled, stainless steel
- › 19 L tank for cleansing agent, with safety valve and minimum-level monitoring
- › Wire mesh filter cartridges and plate disc filter
- › Three-phase agitator with 23 rpm or alternatively 95 rpm
- › Electric heating for single-walled tanks
- › Temperature control for double-walled tanks
- › Manual vacuum degassing
- › Prepared to control an automatic refill station
- › Material supply by refill station for containers from 20 to 200 liters

### HOSE PACKAGE

- › Electrically heated hoses with steel-reinforced PTFE high-pressure hose core
- › Double-walled medium heated hose with PTFE high-pressure hose core

### MIXING HEAD VARIANTS

- › SONDERHOFF 1K application valve
- › SONDERHOFF MK 20 with feed lines and static mixing
- › SONDERHOFF MK 50 with feed lines and dynamic mixing, mixing chamber rinsing with chemical cleansing agents

### GENERAL

- › Rinsing and filling shot container
- › Spare parts packages
- › Material supply monitoring for component pumps
- › Freestanding gallows with balancer for manual application
- › Interface for external integration
- › Compressed air dryer
- › Transport, setup and instruction

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