



Press information

April 21, 2020

Compact mixing and dosing system for two components

Henkel presents new SONDERHOFF 3E dosing cell

Düsseldorf/Cologne – The new, compactly designed Sonderhoff 3E dosing cell is economic, efficient and ecological. This mixing and dosing system for two components precisely processes liquid, medium and high-viscosity polyurethanes or other polymer reactive materials. Using the FIP (Formed-In-Place) technology, 2-component sealing foams, adhesives or potting compounds are directly applied onto the part, precisely and freely programmable, with the CNC-controlled mixing head.

The Sonderhoff 3E dosing cell can be easily packed, transported and delivered as a completely assembled system in a 20-foot container. The CE-compliant 3E cell is prepared in such a way that it only needs to be set up at its destination and connected to the power, compressed air and water supply. As soon as electricity, compressed air and water are available and the conditioned material is in the material pressure tanks, the production can start.

The Sonderhoff 3E is designed as a completely closed dosing cell, and therefore, it can be used in production in a space-saving manner. The manual lift-door with integrated safety switch at the front of the cell allows access to the dosing area inside the machine and safely defines the hazardous area.

The all-round dosing cell for standard applications

The Sonderhoff 3E dosing cell is designed as a starter model for frequent standard applications. The linear robot of the dosing cell controls the Sonderhoff MK 425 mixing head in a traversing range of 2.5 x 1.25 x 0.25 m (W x D x H). The mixing head is designed for output quantities of 0.5 to 5.0 g per second, with a mixing ratio that can be infinitely adjusted from 10 : 1 to 1 : 2. This allows approximately 80 percent of current applications to be covered. A further special feature is the use of high-pressure water rinsing technology, which provides an environmentally friendly rinsing of the mixing chamber in the mixing head using tap water instead of solvents.



LOCTITE BONDERITE TECHNOMELT TEROSON AQUENCE Ceresit



The optional shuttle table unit permits the single-level processing of parts on two worktops, which move back and forth in a pendulum mode. This offers both continuous operation and short cycle times. For larger parts, the two worktops can be connected to one large shuttle table.

As made for efficient production

The Sonderhoff 3E dosing cell with its pre-adjustable operating parameters ensures a safe, precise and thus efficient production process, with a maximum traversing speed of up to 15 meters per minute and a reproducible material dosing application with a high repeating accuracy of 1 mm (± 0.5 mm).

The Sonderhoff 3E is designed for fast and short set-up and programming times, with which above all frequently changing small to medium quantities can be produced economically. Thanks to a very attractive entry price, it also enables a very short payback period.

For further information just look at our new dosing cell in the following video:

<https://www.sonderhoff.com/en/solutions/engineering-systems/sonderhoff3e/>

About Henkel

Henkel has a balanced and diversified global portfolio. With strong brands and leading innovations and technologies across three business units – Adhesive Technologies, Beauty Care and Laundry & Home Care – the company has market-leading positions in both consumer and industrial goods businesses. Henkel Adhesive Technologies is the global market leader in the adhesives sector, for example, and the Laundry & Home Care and Beauty Care business units also hold leading positions in many markets and categories. Established in 1876, Henkel can look back on a 140-year history of successful business performance. In the 2018 financial year, Henkel generated sales of 19.89 billion euros and net earnings of 3.49 billion euros. The group employs more than 53,000 people worldwide, forming a diverse team bound together by a strong corporate culture, a shared corporate objective and common values. Henkel's progress and performance in sustainability is confirmed by numerous international rankings and ratings. Henkel preferred shares are listed in the German stock index DAX. Further information is available at www.henkel.com.

About the Sonderhoff brand

The Sonderhoff brand of Henkel AG & Co. KGaA is a globally operating technology platform for customized sealing, adhesive bonding and potting solutions using Formed-In-Place (FIP) technology. Henkel provides users with materials, machines and the process from a single source. The product range consists of foam sealing, adhesive and potting systems based on polyurethane, silicone or PVC, as well as mixing and dosing systems for automated material application to industrial components. We adapt our machines and materials to the customer's optimum manufacturing process. As process experts, we offer OEMs and suppliers tailor-made automation concepts and application technology advice. Alternatively, we take over the sealing, bonding and potting of their components on our

systems at contract manufacturing locations in Germany, Austria, Italy, USA and China. The spectrum ranges from the sampling of prototypes and small series to series production on a production scale. For the customized sealing, adhesive bonding and potting solutions of our customers, we rely on more than 1,000 self-developed formulas, multiple patented knowledge and many years of experience. You can find further information at www.sonderhoff.com.

Photos can be downloaded from the Internet at: [//www.henkel.de/presse](http://www.henkel.de/presse)

Contact:

Florian Kampf
Sonderhoff Holding GmbH (part of Henkel AG & Co. KGaA)
+49 221 95 685-285
florian.kampf@henkel.com

Henkel AG & Co. KGaA



The space-saving, compact Sonderhoff 3E dosing cell for foam sealing, bonding and potting stands for an economic, efficient and ecological production.