

LSR
FLEXIBLE
AND POWERFUL
SYSTEM SOLUTIONS



LSR –

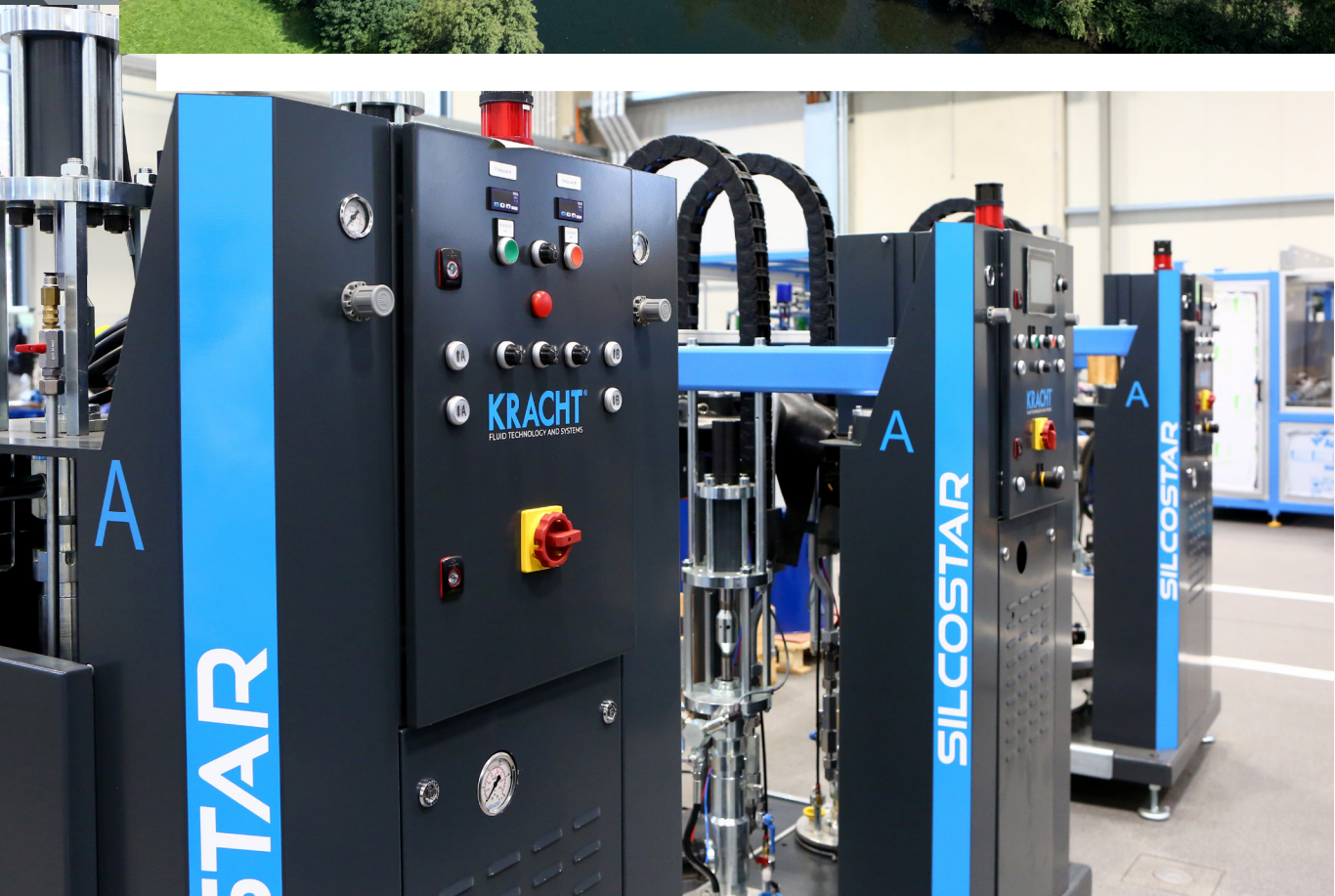
OUR PASSION

KRACHT GmbH, headquartered in Werdohl, Germany, is a global technology provider for pumps, fluid measurement technology, valves, hydraulic drives and systems. High-precision dosing systems, which are used in a wide range of applications and industries, characterise the Systems technology division. We have been developing, manufacturing and distributing high-quality products for more than 110 years, and our customised special solutions are one of our core competencies.

Whether servo-electric or hydraulic drive technology, high-precision paint dosing or automated process control - we offer customised solutions that meet the highest standards of durability, energy efficiency and precision.

450 employees at four locations in Europe, America and Asia give us a global presence and support our customers with technical expertise and individual advice.

KRACHT GmbH has been part of the Atlas Copco Group since 2023, which gives us access to an excellent global network and expanded resources. These synergies strengthen our innovative power and enable us to develop even more efficient and powerful solutions for our customers.



SILCOSTAR E-DRIVE

The SilcoStar E-Drive series is a servo-electrically driven dosing and mixing system for demanding tasks with a variable mixing ratio for the production of moulded liquid silicone parts.



- > Servo-electric linear drive
- > High-precision dosing
- > No viscosity restrictions
- > Patented mixture pressure control
- > Patented drum base support
- > Integrated pressure monitoring
- > Standardised connection panel
- > Level and status indication
via dynamic LED strip
- > 200 or 20 litre drums
- > Automatic system ventilation
- > „Medical ready“
- > Multiple dosing

SILCOSTAR HY-DRIVE

The SilcoStar HY-Drive series is the hydraulically driven alternative for applications that only require a fixed mixing ratio (1:1).

- › Hydraulic dosing pump drive
- › High precision dosing
- › No viscosity restrictions
- › Maintenance-friendly design /
Ideal for mass production
- › Patented drum bottom support
- › Integrated pressure monitoring
- › Standardised connection panel
- › 200 or 20 litre drums
- › Automatic system ventilation
- › Multiple dosing



DRIVE VARIANTS

SERVO-ELECTRIC LINEAR DRIVE

Our servo-electric linear actuator with planetary roller screw sets new standards in drive technology. Thanks to its robust design and pioneering technology, it offers up to 10 times longer service life compared to conventional ball screws.

This outstanding reliability is achieved through the design characteristics of the planetary roller screw, which minimises wear and ensures maximum durability even under demanding operating conditions.

The precise control enables highly accurate metering, even with the smallest shot weights. This makes the drive ideal for demanding applications where exact material quantities are crucial for product quality.

The linear drive also impresses with its impressive energy efficiency. The servo-electric technology ensures resource-saving performance and reduces operating costs at the same time.

With this drive, you benefit from a combination of durability, precision and efficiency - the perfect solution for modern, future-orientated production processes.



HYDRAULIC DRIVE

Our hydraulic dosing pump drive is the ideal solution for high-volume industrial applications. Developed specifically for the requirements of mass production, it offers reliable and consistent performance even during long periods of operation.

The simple operation and intuitive controls enable quick integration and flexible adaptation to different production processes. Thanks to a well thought-out and maintenance-friendly design, service times can be reduced to a minimum, which ensures higher machine availability.

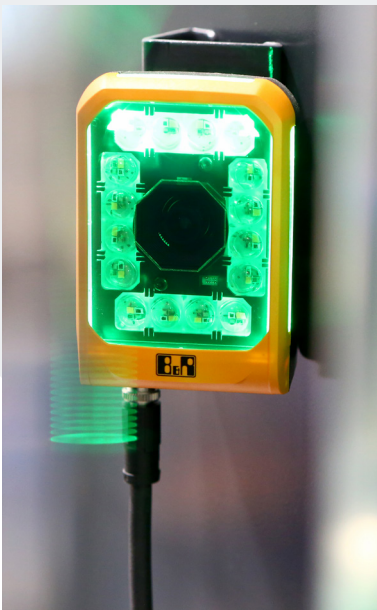
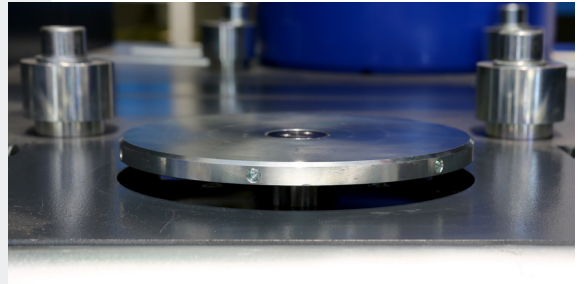
The drive combines the advantages of hydraulic technology with impressive energy efficiency. Compared to electric or pneumatic systems, it impresses with lower energy consumption and a longer service life. This not only leads to more sustainable production, but also reduces operating costs.

An additional advantage: the hydraulic version is budget-friendly without compromising on performance and quality - an economically attractive choice for companies that value efficiency and cost-effectiveness in equal measure.

OPTIONS

MINIMAL LOSSES DUE TO PNEUMATIC DRUM BASE SUPPORT

Uniform emptying of the drums through volumetric adjustment of the mixing ratio (adjustable 0 ... 15 %) and patented, **pneumatically operated drum base support** (compared to the standard photo). This reduces the residual quantity in the drums to less than 1 %.



AUTOMATED BARREL DETECTION

The automated drum inspection (**CPP.reader**) ensures smooth process reliability: two state-of-the-art camera modules check the labelling on the material drums and only release the process if there is a complete match. An integrated QR code scan enables the precise tracking of relevant information such as batch numbers, production data and shelf life. This system minimises sources of error and ensures that there is no mix-up between drum A and drum B.

Maximum safety and transparency for your production – simple and reliable.

PRECISE COLOUR DOSING FOR MAXIMUM CONTROL

With the **ColourTech system**, KRACHT offers an innovative solution for precise and flexible colour dosing in silicone processing. The proportional colour dosing valve enables precisely controlled mixing of colours and additives – individually tailored to your requirements.

- > Flexibly controllable
- > Intelligently controlled- Precise dosing ranges
- > Versatile in use
- > Seamless process control

The ColourTech system guarantees reliable, uniform colouring with minimal material usage - for maximum efficiency and quality in your production process.

USER-INTERFACES

PRO – INNOVATIVE OPERATION VIA 15.6" MULTI-TOUCH DISPLAY

The SilcoStar Pro series sets standards in dosing and mixing technology. With innovative functions and maximum user-friendliness, it optimises production processes and enables precise material processing.

Intuitive operation:

15.6' multi-touch display for convenient and simple control.

Flexible mixing ratio:

Software-controlled adjustment for maximum precision.

Predictive maintenance:

Predictive maintenance with precise advice based on operating hours and material throughput.

Guided maintenance:

Interactive instructions with images and videos for maintenance processes such as drum or seal changes.

Chart and operating data analysis:

Comprehensive evaluation for process optimisation.

Customised user administration:

Configurable home screen and access rights per user.

Simplified drum change:

Step-by-step instructions for a smooth material changeover.

Industry standard interface:

Compatible with EUROMAP 82.3 for seamless integration into existing systems.

The SilcoStar Pro series combines state-of-the-art technology with high efficiency and user-friendliness - for future-proof and optimised production.



USER-INTERFACES

SMART – POWERFUL TECHNOLOGY WITH MAXIMUM ADAPTABILITY

The Smart series offers advanced yet intuitive operation via a 7-inch multi-touch display, allowing easy control and customisation of processes. The variable mixing ratio can be set directly via the software, ensuring maximum precision and flexibility.

Thanks to the configurable access rights, user profiles can be customised, making operation safer and more efficient. Integration into existing systems takes place via the EUROMAP 82.3 interface, enabling seamless communication with other production components.

In addition, various optional features are available to customise the Smart series to specific requirements. High-precision KRACHT volume counters monitor the flow of both drums, while a further volume counter ensures the exact dosing of colour or additives. ColourTech and the CPP.Reader allow colour dosing and process monitoring to be optimised even further. For even more flexibility, the Smart series offers a cloud connection and the option of tandem operation.



EASY – COMPACT EFFICIENCY WITH SIMPLE OPERATION

The Easy series impresses with its particularly user-friendly handling and compact design. It is operated intuitively using buttons and potentiometers, allowing settings to be made quickly and easily.

Thanks to the digital I/O interface, the Easy series can be easily integrated into existing production processes. For extended applications, an optional colour dosing system with dosing valve is also available, which enables precise and even colour addition.

These features make the Easy series the ideal choice for companies looking for an efficient, easy-to-use and flexible dispensing solution.



EXPERIENCE THE MIXING HEAD EVOLUTION

FAST, EFFICIENT, PRECISE

Revolutionise your production processes with our ground-breaking mixing head, which was specially developed for the servo-electric E-Drive models. We set new standards in terms of efficiency, cleaning and adaptability.

Lightning-fast cleaning: Forget long downtimes for time-consuming cleaning processes. Our mixing head enables effortless cleaning in just 5 minutes - an unbeatable advantage compared to the competition. You save time and money.

Short downtimes: Thanks to our innovative technology, the downtimes of your production systems are significantly reduced. This means more production and less downtime.

Easy handling: The mixing head has been designed for maximum user-friendliness. Easy handling enables smooth integration into your existing processes - without time-consuming training.

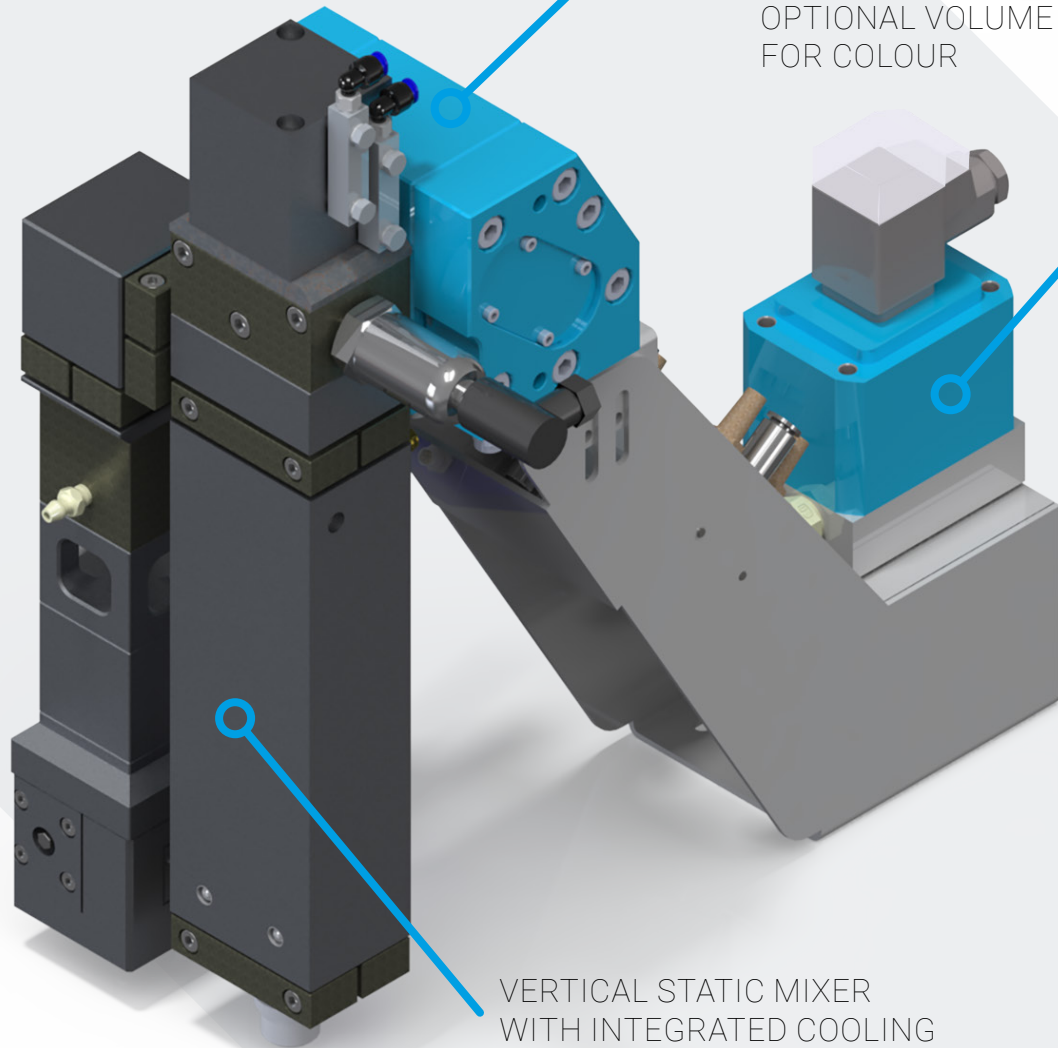
Automatic adjustment: Changes in volume flow? No problem! Our mixing head automatically adjusts the colour addition to ensure the right ratio at all times. Efficiency and precision go hand in hand.

Experience the future of mixing and increase the performance of your E-Drive models. Our exclusive mixing head sets new standards for speed, efficiency and ease of use.

Contact us today and discover how our mixing head can take your production to the next level!

DOUBLE VOLUME COUNTER
FOR A AND B COMPONENT

OPTIONAL VOLUME COUNTER
FOR COLOUR



VERTICAL STATIC MIXER
WITH INTEGRATED COOLING

CUSTOMISED SPECIAL SOLUTIONS

ALWAYS PERFECT FOR YOUR APPLICATION

In addition to the proven E-Drive and HY-Drive series products, KRACHT offers customised solutions for demanding applications in liquid silicone processing. One highlight is our **PCM-LSR system with tandem feed**, which can supply up to four mixing heads simultaneously if required.

Our product range covers a broad spectrum:

> **SilcoStar Mini:** The compact solution for prototype construction or material tests. It is supplied directly from cartridges and enables precise, small-scale applications.

> **High-Flow series:** Powerful and efficient, designed for applications with a maximum output of up to 6 l/min – ideal for large-scale production with high material throughput.

KRACHT systems are characterised by their versatility and flexibility. Material is supplied from cartridges, pressure vessels and 20 and 200 litre drums as required.

With our flexible and high-performance system solutions, we are setting new standards for efficiency and precision in silicone processing.



SERVICE

YES WE CARE

Do you use 2KM systems or already rely on the innovative Kracht E-Drive and HY-Drive series? Regardless of your machinery, we are there for you worldwide! Our dedicated team of experienced and competent service staff is always available to ensure that your production systems always run smoothly.

Comprehensive support: No matter where you are in the world, we are there when you need us. Our global network enables us to offer you first-class technical service.

Experts for all machines: Whether 2KM systems or the latest SilcoStar E-Drive and HY-Drive series - our service technicians are highly trained and understand the requirements of all machine types.

Fast spare parts supply: We know how important time is. That's why we have set up an efficient spare parts supply system to minimise downtime.

Personal service on site: When it matters, we will send an experienced service technician directly to you. Our aim is not just to solve problems, but to build long-term partnerships.

Your satisfaction and the smooth operation of your machines are our top priority. Rely on our worldwide service and focus on what really matters - moving your business forward.

Contact us today and experience first-class technical service that knows no bounds!

COMPETENT ADVICE - PERSONAL & SOLUTION-ORIENTATED

GET IN TOUCH WITH US

Our experts are at your side with in-depth expertise and many years of experience. Whether customised special solutions or technical optimisations - we understand your requirements and work with you to develop the best solution for your process.

Your success is what drives us.



Kevin Almus

Phone +49 2392 935 296

E-mail kevin.almus@kracht.eu



Erwin Fröse

Phone +49 2392 935 246

E-mail erwin.froese@kracht.eu



Christian Ocker

Phone +49 2392 935 215

E-mail christian.ocker@kracht.eu

KRACHT GmbH

Gewerbestrasse 20
58791 Werdohl, Germany
Phone: +49 2392 935 0
E-mail: info@kracht.eu

kracht.eu

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