

For the cleanest tablets and capsules

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Tablet dedusting: A Krämer idea

The tablet deduster is a Krämer innovation. What began in 1927 as a machine shop, led in 1975 to the invention of the first tablet deduster in the world. Krämer is now one of the leading suppliers and innovators in the pharmaceutical industry. In every Krämer System you will find more than 30 years of tablet dedusting experience manufactured with excellent Swiss quality.

- 1927** Heinrich Krämer established a mechanical tool shop
- 1975** Krämer invents the world's first tablet deduster.
- 1992** Krämer launches the first upward-conveying tablet deduster
- 2000** Krämer introduces another absolute innovation: the first wash-in-place (WiP) deduster
- 2006** The first tablet deduster in modular construction is put on the market
- 2008** Krämer presents the first controller with automatic vibration control
- 2011** Krämer simultaneously launches two new deduster lines

Our principle: Perfection begins in the details



Kräger perfected tablet and capsule dedusting. Inside the deduster, tablets are conveyed, dedusted and if needed checked for metallic contamination at rates up to 6.3 Million pieces per hour. Dedusted and deburred tablets can be packaged more efficiently, and coatings can be applied easier. By eliminating tablet dust in the work area the operating personnel can work safer without airborne dusts.

Key benefits at a glance

- Exceptional conveying capacity
- Exceptional dedusting efficiency
- Lowest sound emission <68dB
- Ease of cleaning
- Easily adjustable to machine configuration

Design: Putting innovation into shape



Krämer makes its machines as simple as possible for you to operate. All functions can be intuitively commanded via the clearly laid out touchscreen and a minimum of pushbuttons. Here, it makes no difference whether you are also operating accessories such as a metal detector and/or diverter: a single touchscreen is sufficient. Monitoring and inspection are similarly simple, with the practical inspection window that can be swivelled to one side and removed to give an optimal view of the helix. All cables, hoses and other components are kept clean and neatly integrated in the compact, simple housing.

Key benefits at a glance

- Intuitive operation
- Easy-to-manage touchscreen
- Optimal visibility for monitoring
- Swivelling and removable inspection window
- Everything in a single compact housing
- Modern, simple design
- Dust-tight inspection window
- Easy to clean

Flexibility: In step with your processes



Krämer systems adapt to your needs – not the other way around. The distance between the outlet and inlet can be supplied in different heights (up to 1500mm), to achieve the optimum integration to your operational requirements. The floor to inlet height is easily adjustable without tools, and the inlet can be rotated 360 degree.

The helix is available in stainless steel with various finishes (passivated, electropolished, teflon-coated), or plastic. Systems are also available for high containment and wash in place equipment.

Key benefits at a glance

- Conveying height can be individually chosen (max. conveying height from floor 245 cm)
- Inlet height is adjustable
- Inlet can be rotated 360 degree
- Helix available in various materials and surfaces
- High Containment or WiP can be provided if needed

Intelligence: For even better efficiency



Krämer is continuously innovating. Tablets are conveyed upwards consistently – independent of quantity and weight. An integrated sensor monitors the vibration of the helix and the controller continuously adapts the intensity. Another innovation is the vibration free housing, which allows Krämer to combine sensitive equipment such as metal detectors. This is possible due to the patented vibratory drive unit, which is not coupled to the housing. And for further dedusting performance a continuous flow of compressed air is being added, while the dust is being pulled through the helix.

Key benefits at a glance

- Continuous electronic controlled conveying
- Vibration free housing
- Efficient dedusting
- Optimum combination with metal detectors



Economy: Quality always pays

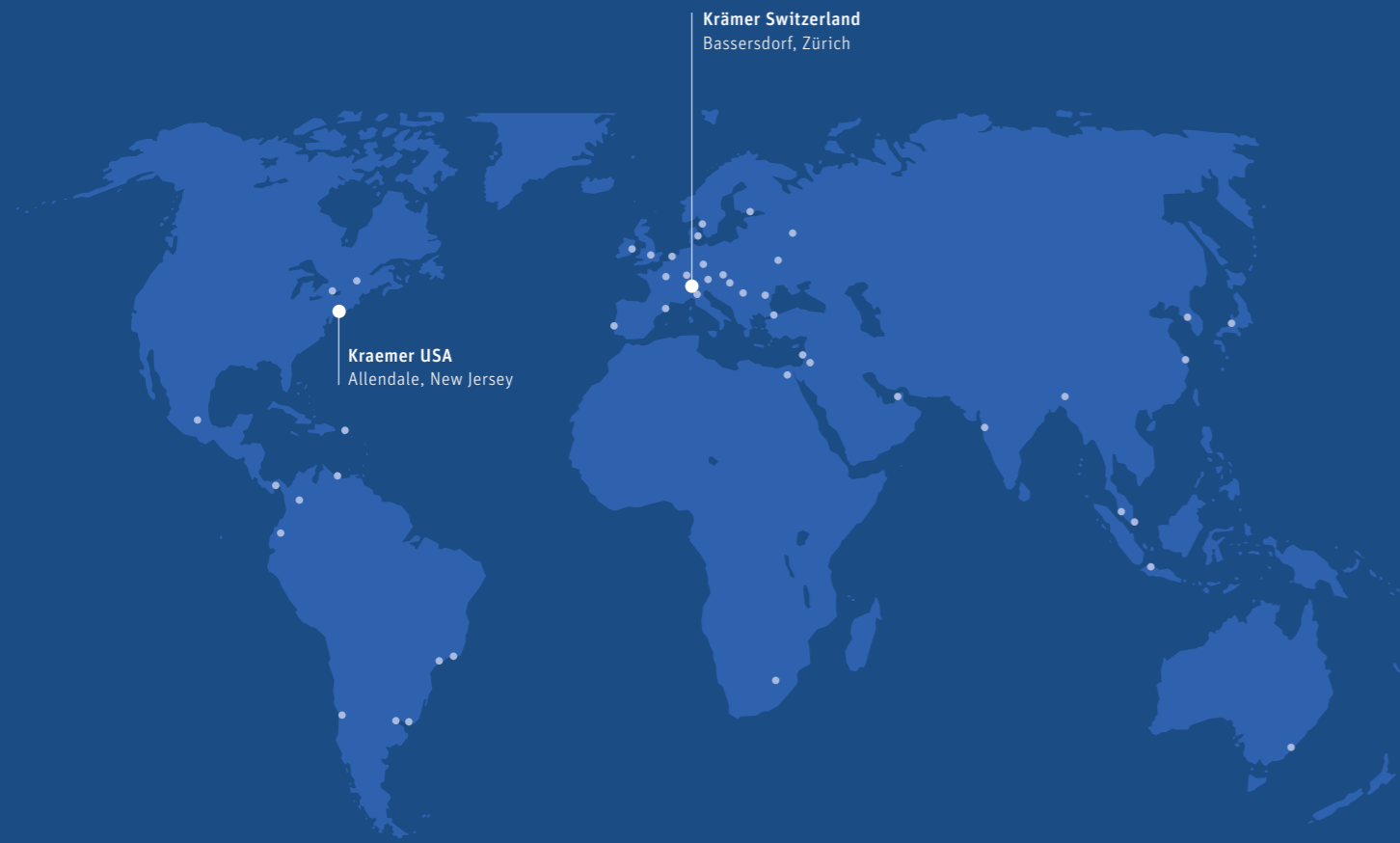


Krämer dedusters are systematically designed for economical performance. High-quality materials, thoughtful design and scrupulous build quality are guarantees of maximum service life. The simple modular construction ensures uncomplicated handling: each unit can be dismantled without tools in less than two minutes, making cleaning easy and reducing downtime to a minimum. Moreover, thanks to the compact design, the required floorspace is extremely small.

The combination of all these «little things» increases the overall efficiency of the system: through process optimization significant potential savings can be achieved, and here peripheral devices such as dedusters have a key role to play.

Key benefits at a glance

- Maximum longevity
- Minimum Down-Time
- Tool-free assembly and disassembly
- Easy cleaning
- Easy, modular system
- Small space requirement
- Increased overall equipment efficiency



Service and support

Despite the normal reliability of Kramer dedusters, regular maintenance helps to increase the life. You can optimize the expected productivity and efficiency of your processes, through our global network of expert Kramer service and support. If you have questions or need service or support – also on site, please let us know. We are here to assist you.

Downloads

For our complete product range with detailed specifications, please visit our website:

www.kraemerag.com