



SCHOLD BETTER **DISPERSIONS**

BENCH-TOP DISPERSERS

LMX | The new benchmark for bench-top mixing. For smaller scale production or pilot batches, the Schold LMX mixer offers a solid choice. This mixer is designed from the ground up with versatility in mind. Its design allows operators to easily process batches from one quart up to ten gallons in volume. At Schold, we were inspired to make the LMX mixer robust, simple and easy to clean. Using a direct-coupled mixer shaft design, power and torque is on demand.

The adjustable, centralized control panel and display ensure the operator can quickly see the status of the mixer. Schold also engineered the LMX series mixer to utilize a single utility—electricity. With a choice of single or three-phase power, there is no need for compressed air or hydraulics to operate the mixer.

Available options include motor horsepower, gearing, environmental ratings, blade types, LH/RH configuration, full air operation and more.

*Left: Schold Standard Model LMX
Right: Schold Explosion-Proof LMX*



POST-MOUNT DISPERSERS



VHS - VARIABLE HIGH-SPEED | The VHS disperser is ideal for dispersing, grinding and letting down batches of products up to 50,000 centipoise. Multiple blade options are available, including shear and pumper style blades.

VLS - VARIABLE LOW-SPEED | The VLS mixer is designed to blend and incorporate the entire range of product viscosities where grinding is not necessary. Additionally, various blade options are available for optimized mixing.

CO-AXIAL | The Schold Co-Axial Disperser integrates both a high-shear and low-speed blade combination, with the low-speed agitator circulating product into the high-shear work zone. This dual configuration is ideal for higher viscosity products.

TWIN SHAFT | Designed for moderate to high viscosity formulations, this disperser and/or rotor stator is offset from a low-speed anchor agitator or sweep blade, allowing for multiple high-speed blade configurations.

TRIPLE SHAFT | Includes both a disperser and/or rotor stator to purée large solids at the start of a cycle and eliminate lumps to improve homogeneity of the mixture. A lifting screw may also be incorporated to help suspend agglomerates in the batch.

Left: Schold VHS 500 Dispenser

TANK-MOUNT DISPERSERS

When a removable process vessel is not required, post-mounted configurations can be designed as tank-mounted models. Instead of having a separate leg or post to secure the dispersing head, all of the components are mounted directly on top of the process tank or vessel. Tank-mounted equipment can save space in tight factories and offer simpler maintenance with fewer mechanical parts. Schold offers two styles of tank-mounted equipment:

FLANGE-MOUNT | Flange-mounted tank dispersers are ideal for applications where pressure or vacuum is required to process a batch. The flange mount allows the equipment to sit on a tank with a heavy-duty flange that can be fitted with an appropriate O-ring, mechanical seal and gasketing to maintain an air-tight process.

BRIDGE-MOUNT | Bridge-mounted tank dispersers are common in many industries and applications. They are ideal for placing over tanks where the application does not require vacuum or pressure to be held during the dispersing, mixing, blending or let-down process.

Right: Schold Flange-Mount Twin-Shaft Disperser



MEDIA MILLS



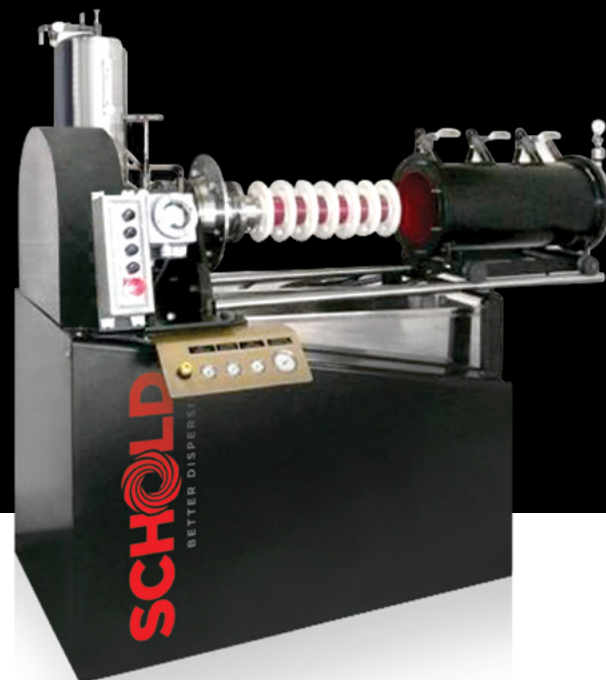
VSM - HIGH-SPEED VERTICAL MILL | Our continuous Vertical Mill is designed for deagglomerating, grinding and milling a wide range of materials. Operating under internal pressure, the VSM can handle materials with high viscosities or thixotropy, as well as moisture and air-sensitive products.

HSM - HIGH-SPEED HORIZONTAL MILL | Similar to our Vertical Mill, the Schold Horizontal Mill is designed for deagglomerating, grinding and milling a wide range of materials. Its self-supporting, quick-extract chamber and media filter allow for easy clean-out, making it one of the industry's favorites for small media mills.

IN-LINE MILL | The Schold In-Line Mill is a sealed, high-shear style mill, designed for aiding in pre-mix batches, dispersing, deagglomerating, homogenizing and milling products in high volumes. The In-Line Mill can be considered wherever a colloid mill, homogenizer or disperser is used.

Left: Schold Vertical Mill

Right: Schold Horizontal Mill



PRESS-OUTS

FIXED-MOUNT | The Schold Fixed-Mount Press-Out is an extrusion discharge press with a large O-ring seal design. Hydraulic power pack horsepowers are available in ranges of three, five and ten as floor-mounted or elevated vessel styles. Sizes range from lab scale to 10,000 lb. batches. With our Fixed-Mount Press-Out, Schold can help customize the function of your unit to provide constant flow-out of the vessel for your downstream critical processes.

PORTABLE | The Schold Portable Press-Out is a self-contained, hydraulic press for discharging high viscosity, poor-flowing products. This Press-Out is picked and placed on a process vessel, allowing it to travel with the vessel to the required destination.

Once lowered onto the vessel and secured, it can be transported in combination to the canning/filling site. This model is efficient for batches consisting of multiple cans or vessels of similar product.

Left: Schold Fixed-Mount Press-Out

Right: Schold Portable Press-Out





COMPLETE SYSTEMS |

With extensive systems design and engineering experience, we are able to offer complete turn-key solutions, large or small. Whether your opportunity is a complete greenfield project, the addition of a production line, or simply a need to modify an existing process, rely on Schold as your single source supplier and partner.



CONTROLS | Our individual equipment control packages typically include an operator station and separate motor control enclosure. Additional customization is available to integrate with your plant supervisory system.

For complete facility packages, Schold will work with you to design, build, install and service your entire plant control system. Contact our team today for more information.

TANKS & VESSELS



TANKS | Using our process and equipment expertise at Schold, we are able to design and engineer the perfect vessel for your application. Whether your process involves drawing vacuum on your product, heating and cooling of an in-process batch or press-out capability, we have the expertise to supply the vessel along with the core process equipment.

We design to ASME/ANSI standards where required and stand behind the quality of every tank we supply. Additionally, we fit each vessel to our mixing equipment before shipment for quality assurance.

RECONDITIONED EQUIPMENT | We understand machinery is an investment for the production and success of your company. Schold offers reconditioning services on all our equipment, enabling you to get the most value out of your investment for now and the future.

PARTS | In need of a replacement part? Schold offers an extensive inventory of spare machinery components to fulfill your need. Our parts team will work with you to identify the correct part and immediately ship from our facility to get you back in business.

SERVICES | Additionally, our team offers factory acceptance testing on all new machinery, on-site installation, trouble-shooting and routine maintenance visits to ensure the equipment within your production process is a life-long success.

Image Shown: Schold Cone-Bottom Tank



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