

COMPLETE PROCESS SYSTEMS FOR DISPERSING, MILLING, AND MIXING

OVERVIEW:

At Schold, we go beyond offering stand-alone units for your dispersing, milling, and mixing needs. Along with a comprehensive equipment lineup, **Schold provides the engineering capabilities and industry expertise to craft your complete, turn-key process system.**

Whether it is a complete greenfield project, the addition of a production line, or modification of an existing process, Schold is the partner to deliver on your vision. **Customize the layout, equipment, controls, and automation to align with your production goals.**

THOSE WHO BENEFIT:

✓ Growing companies:

- Plant upgrades/expansion
- New location(s)/empty plant(s)
- Greenfield project(s)
- New production line(s)
- High demand from customers

✓ Complimentary equipment need(s):

- Laboratory/pilot equipment
- Pre-mix equipment
- Milling equipment
- Blending/let-down equipment
- Material handling equipment

✓ Process/product quality improvement need(s)

✓ Turn-key solution seekers

✓ New technology adaptors

1 LAB/PILOT:


Bench-top units can be used to disperse, mix, and mill your product(s). Ideal for research, testing, quality control, technical service applications, and scaling up to production-sized batches.

Common options:



DISPERSERS/MIXERS IMMERSION MILLS MINI MILLS PILOT MILLS

HOW DOES IT WORK?



EXAMPLE CONTROL PANEL

Optimizing your process starts with proper controls, automation, and integration. Stand-alone equipment works, but failing to connect the dots is inefficient and wastes time, energy, and money. **Schold can design, engineer, build, and install an automated control system that seamlessly integrates with your set-up.** From there, you can plug-in equipment upgrades to suit your specific needs. And with our wide range of options covering all stages of the manufacturing process, a complete solution is now reality.

4 BLENDING/LET-DOWN:

Ideal for mixing tough, high-viscosity applications and/or incorporating final ingredients to the batch. These robust units are customizable based on your set-up and application requirements.

Common options:



LOW-SPEED MIXERS MULTI-SHAFTS TANK-MOUNTS VACUUM DRUMS

2 PRE-MIXING/DISPERSING:

This stage involves incorporating wet and dry ingredients to produce uniform dispersions and/or homogenous mixtures. Failing to pre-mix properly is a common explanation for most milling issues.

Common options:




DISPERSERS/MIXERS MULTI-SHAFTS INLINE DISPERSERS ROTOR STATORS

3 MILLING:

Wet milling is the preferred option for reducing particle size to a very fine scale, down even to the nanometer range. Our customizable designs with quick/simple cleaning make them a go-to choice.

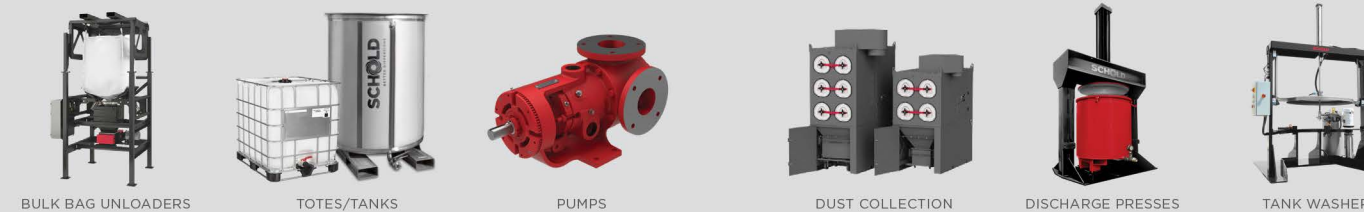
Common options:



HORIZONTAL MILLS VERTICAL MILLS IMMERSION MILLS GRINDING MEDIA

ROUND-OUT YOUR PROCESS:

Schold can provide all complimentary equipment to suit your specific requirements/goals. **Common options:**



PREMIER SUPPORT:

Not sure where to start? We have the answers before, during, and after your project. **Contact us to get started!**