FITZPATRICK QUADRO

SLS - Scalable Lab System™



BENCHTOP EXCHANGEABLE PLATFORM



Interested in unparalleled milling flexibility and improved powder processing efficiency in the lab?

Introducing the world's most advanced benchtop, multi-purpose powder milling and screening platform, utilizing four interchangeable heads on the same common drive to facilitate five powder processing capabilities.

The SLS – Scalable Lab System™ affords the ability to quickly and easily interchange Fitzpatrick's FitzMill™, Quadro's Comil®, High-Efficiency Comil®, High Energy Comil®, and FlexSift Security Screening technologies.

Results from the laboratory are fully scalable to production models.

The SLS will help you to achieve:

- **Unparalleled scalability**
  PSD and capacity scalable with simple operating parameters
- **Reduced capital investment & cost of ownership by up to 75%**
  ability to deliver five processes with a single, common drive
- **Processing flexibility**
  process samples as small as 5gm with minimal loss or up to 100 kg/hr - 95% product recovery for most products
- **Optimized particle size distributions (PSDs)**
  improve on-target PSDs by up to 50% over similar technologies
- **Protection of heat-sensitive products during milling**
  patent-pending screen designs lower temps as much as 30%

SLS – SCALABLE LAB SYSTEM™

TECHNICAL DATA

Fitzpatrick Hammer Mill L1A



- Same process advantages of larger scale FitzMill comminutors
- Available with metered feed system (VFS) for complete process repeatability

Quadro® Comil® High Energy H5



- Primarily for APIs, fine chemical & cosmetic applications
- Narrow PSDs with 30-70% more on-target
- Integrated feed system for optimized containment and predictability

Quadro® FlexSift S5



- Inline security screener
- High capacity (typical 500 kg/hr)
- Standard deagglomeration spoiler arm

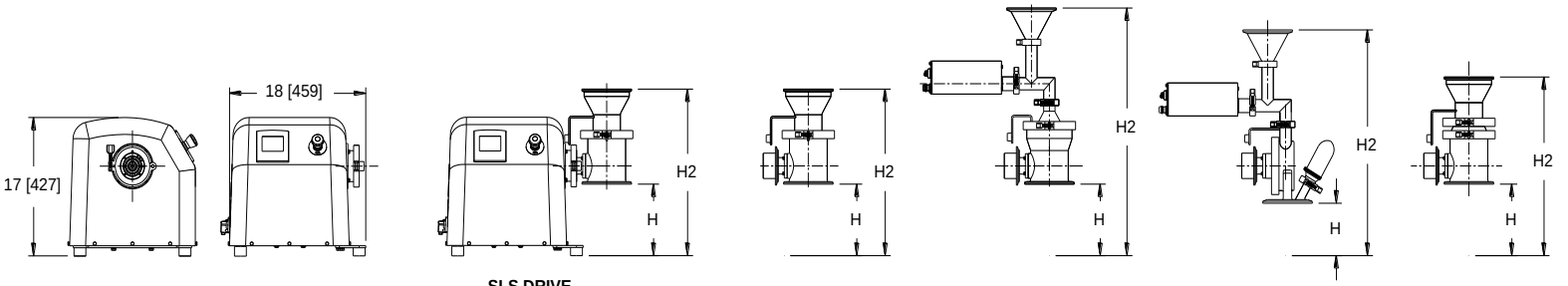
Quadro® Comil® U5 / U5 High-Efficiency



- In-line, spacerless design
- Tight particle granulometry
- Wide range of scalable screens/impellers
- Low heat, fines, dust and overs

	U5 Comil	H5 Comil	L1A Fitzmill	S5 FlexSift
General Capacities – kg/hr	Up to 50*	Up to 50*	Up to 50*	Up to 500*
Speed Range	Up to 28 m/s	Up to 72 m/s	Up to 85 m/s	2500 – 3500 RPM
Power – kW (HP)	0.55 (0.75)	0.55 (0.75)	0.55 (0.75)	0.55 (0.75)
Max. Noise (Approx.) – dB	77	88	95	76
Height to Discharge - (H)	8 5/8 [220]	8 5/8 [220]	6 3/8 [162]	8 5/8 [220]
Height to Inlet - (H2)	20 ¼ [513]	30 [763]	27 3/8 [696]	21 5/8 [551]

**Capacities are dependent upon product characteristics, PSD target & equipment set-up. Please contact us for more details.*



SLS DRIVE PLATFORM | SLS DRIVE WITH U5 COMIL INSTALLED | U5 COMIL | H5 COMIL | L1A FITZMILL | S5 FLEXSIFT

IDEX Material Processing Technologies

FITZPATRICK
MATCON
MICROFLUIDICS
QUADRO

MOFILCO
PROCESS EQUIPMENT CO.
12025 Manchester Rd Suite 30G
St. Louis, MO 63131
PHONE: 314-821-4321
www.mofilco.com

www.fitzpatrick-mpt.com
www.quadro-mpt.com