SLS - SCALABLE LAB SYSTEM™

BENCHTOP
EXCHANGEABLE PLATFORM

Utilizing four interchangeable heads
on the same common drive

FITZPATRICK®

QUADRO



SLS - SCALABLE LAB SYSTEM™
BENCHTOP EXCHANGEABLE PLATFORM

Achieve unparalleled milling flexibility and improved powder processing efficiency in a lab-scale environment.

Introducing one of the world's most advanced benchtop, multi-purpose powder milling and screening platforms, 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.



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%

TECHNICAL DATA

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



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



Fitzpatrick Hammer Mill L1A

- Same process advantages of larger scale FitzMill™ comminutors
- Available with metered feed system, VFS
- Process samples as low as 5gm with 95% product recovery



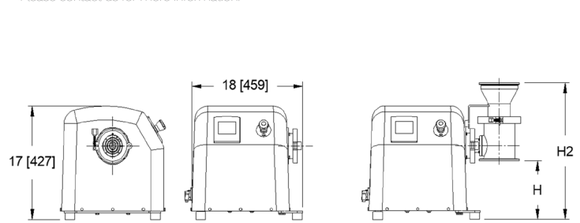
Quadro® FlexSift S5

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



		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	m / s	Up to 28	Up to 72	Up to 85	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)	mm (in)	220 (8.7)	220 (8.7)	162 (6.4)	220 (8.7)
Height to Inlet (H2)	mm (in)	513 (20.2)	763 (30)	696 (27.4)	551 (21.7)

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



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

INNOVATIVE PRODUCTS
BACKED BY WORLD-LEADING EXPERTISE AND SUPPORT



The Fitzpatrick Company and Quadro Engineering Corp. have earned the respect of customers for a combined period of over 120 years.

With over 40,000 equipment installations worldwide, discover what underscores our reputation for supplying high quality powder processing equipment solutions. Trust us to fulfill your specific application requirements.

Discover and experience the Fitzpatrick / Quadro difference!

- **Headquarters**
- IDEX MPT Centers of Excellence

Representation in over 80 countries worldwide

The Fitzpatrick Company
Tel: +1.519.884.9660
Email: fitzinfo@idexcorp.com
www.fitzpatrick-mpt.com

Quadro Engineering Corp.
Tel: +1.519.884.9660
Email: quadrosales@idexcorp.com
www.quadro-mpt.com

613 Colby Drive
Waterloo, ON, Canada

SLS 11/20

IDEX Material Processing Technologies

Fitzpatrick | Matcon | Microfluidics | Quadro | Steridose