MATERIAL PROCESSING

- 95%+ product recovery
- Process samples as small as 5 grams with minimal loss or product retention
- Suitable for dry milling and/or wet material conditioning, as standalone or as component of lab-scale wet granulation systems
- PSD and capacity scalable with simple operating parameters transfer
- Integrated feed system for optimized containment
- Narrow PSDs with 30-70% more on-target
- Primarily APIs, fine chemical and cosmetic applications
- In-line security screener

QUADRO® FLEXSIFT S5

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

FITZMILL L1A

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

SLS - SCALABLE LAB SYSTEM™

- Ability to alternate between five milling solutions in seconds
- U-Mow Smart-Delete, a unique lab-equipment feature that automatically ensures the appropriate scalable speed range is fixed by recognizing the head being installed
- PSD and capacity scalable with simple operating parameters transfer from small sample (500 g) lots, to full-scale production machines
- Suitable for dry milling and/or wet material conditioning, as standalone or as component of lab-scale wet granulation systems
- Process samples as small as 5 grams with minimal loss or product retention, or as large as +100 kg/hr for certain products & models
- Ability to alternate between five milling solutions in seconds

MPT PHARMA PROCESSING

- Retention, or as large as +100 kg/hr for certain products & models
- By recognizing the head being installed
- Automatically ensures the appropriate scalable speed range is fixed

- Nutritional supplements
- Food & beverage
- Fine chemical
- Fragrances
- Nutraceuticals
- In-line security sifting
- Security screening stations

QUADRO® COMIL® US AND US HIGH-EFFICIENCY

- In-line, spaceless design
- Tight particle granulometry
- Wide range of scalable screens/impellers
- Load head, filters, dust and overs

FITZMILL L1A

- Same process advantages of larger scale FitzMill conveyors – fully scalable
- Available metered feed system (MFS) for complete process repeatability

QUADRO® FLEXSIFT 5S

- In-line security sifter
- High capacity (typical 500 kg/hr)
- Standard deagglomeration spout arm

QUADRO® H HIGH ENERGY COMIL®

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QUADRO® COMIL®
Nutraceuticals | Food | Flavours

COMIL® HIGH EFFICIENCY
PARTICLE SIZE REDUCTION
Quadro® Comil® is the standard in powder size reduction mills, ideal for raw material conditioning, bulk density calibration and processing of high value nutraceuticals, protein powders, flavours and fragrances. At its core, the Comil’s cGMP design ensures a safe, sanitary and reliable operation.

- Optimized particle size distributions with reduced generation of “fines” and dust for tight granulometry
- Lowest heat generated during milling, ideal for processing powders with low melting points
- Compact In-line design
- OEB 5 containment (<1 µg/m3)
- Sanitary, cGMP design suitable for FDA regulated processes
- Minimal product contact components for easy-maintenance and quick product changeovers
- Available in WIP, CIP and SIP configurations

QUADRO® FLEXSIFT
Nutraceuticals | Food | Flavours

FLEXSIFT SECURITY SCREENER
& PARTICLE DEAGGLOMERATION
Quadro® FlexSift is the cutting edge in high-capacity security screening and deagglomerator technology. Effectively capturing and retaining impurities and foreign materials in a versatile in-line configuration, without size reducing the product itself.

- High capacity, in-line security screener for integrity retention
- Gentle deagglomeration of easy-to-break-apart lumps with optional Spoiler Arm attachment
- High capacity alternative to vibratory and horizontal (rotary) sifters
- Vibration-free | Dust tight
- Suitable for OEB 5 containment (<1 µg/m3)
- Optional ComilSift configuration: single drive platform, interchangeable Comil & FlexSift heads
- Lean screen basket assembly design for easy, quick and cost-effective screen mesh interchangeability

APPLICATIONS & PROCESSES
- Nutraceuticals | Vitamins
- Fat dispersion in baking & flavour mixes
- Deagglomerate spray dried products
- Size reduction and blending of spices
- Milling medicinal botanical herbs for active ingredient extraction
- Fine-tuning bulk density of milk powders and sizing baby cereals

QUADRO® POWDER PROCESSING SOLUTIONS
Nutraceuticals | Food | Flavours

COMIL® SIZE REDUCTION, MATERIAL CONDITIONING AND BULK DENSITY TUNING
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- High efficiency, particle size reduction
- Gentle grinding action
- Gentle deagglomeration for optimal flow properties
- Compact design
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