

QUADRO[®] FINE GRIND

AN ALL-IN-ONE FINE GRIND PLATFORM

Advanced size reduction for performance & flexibility



QUADRO

QUADRO[®] FINE GRIND

ALL-IN-ONE FINE GRINDING PLATFORM

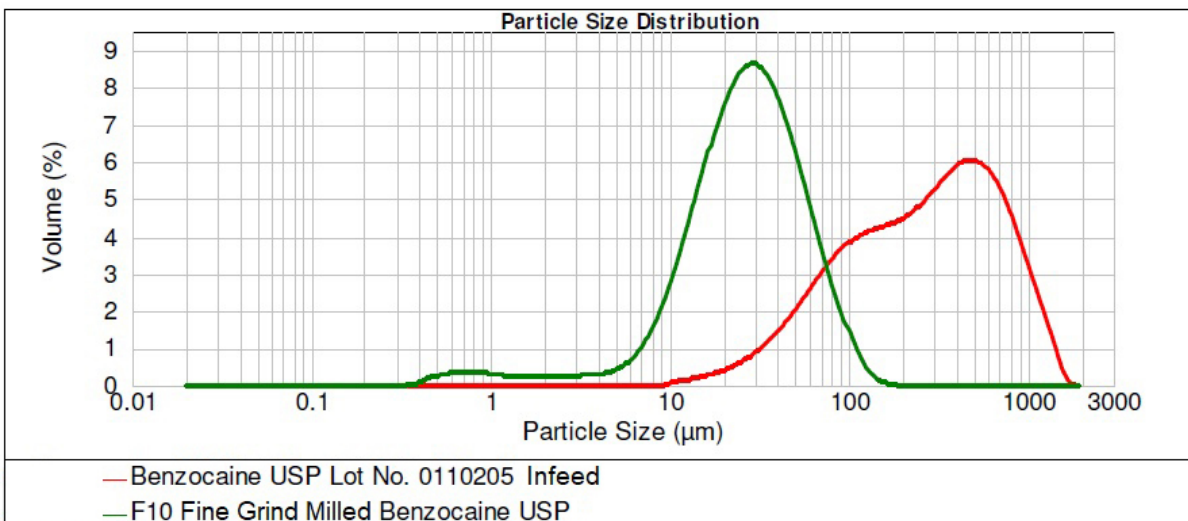
Advanced size reduction system for performance and flexibility.

Efficient Fine Particle Size Reduction:

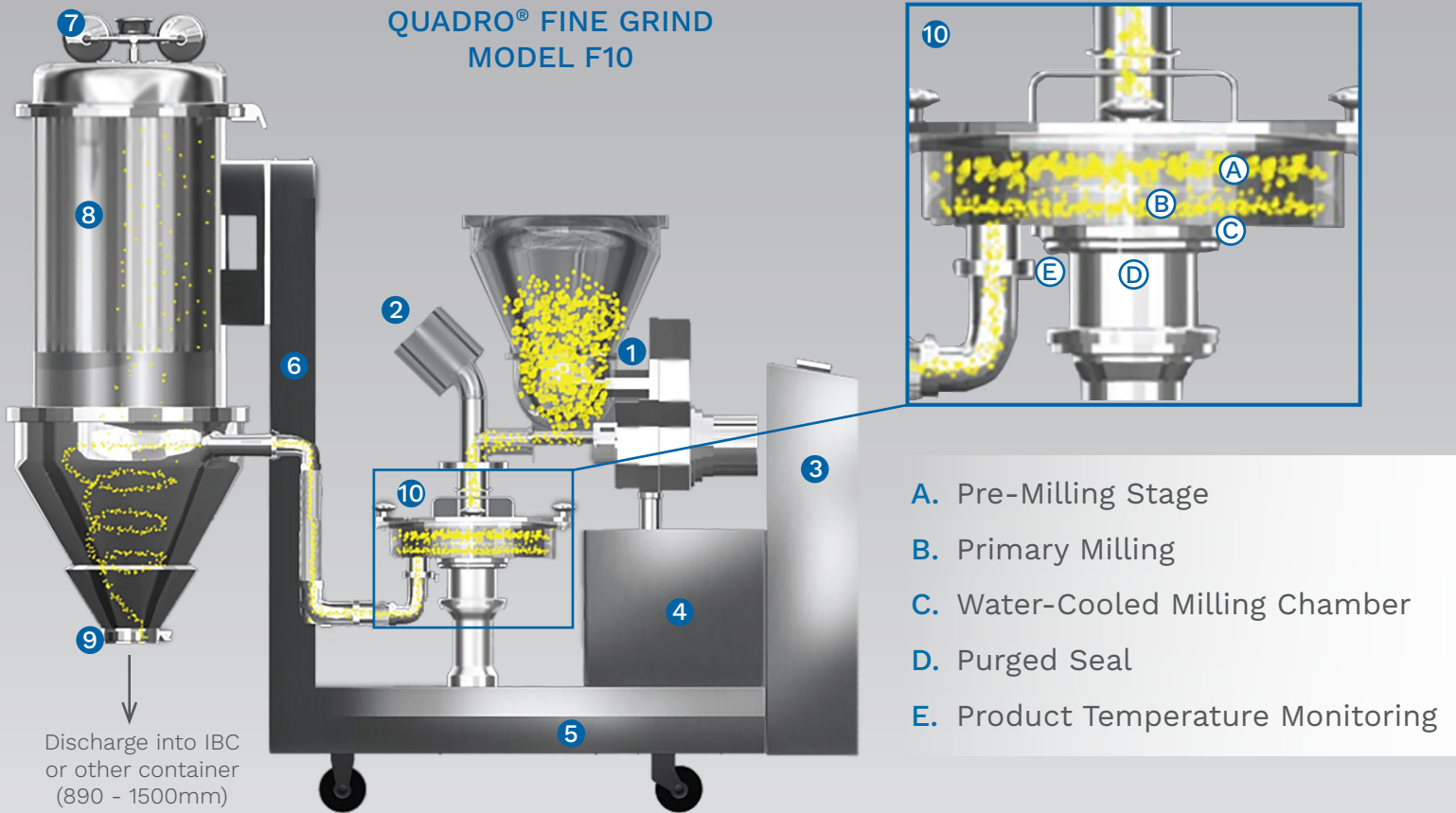
- **All-In-One Powder Fine Grinding Platform**
Turnkey, automated, stand-alone milling & process system
- **Easily Fine-Tunes PSD To Desired Target**
Operating parameters (impeller RPM, screen selection, feed rate & air flow) add flexibility to achieve desired PSD targets
- **Production Milling Efficiency For Maximized Yields**
Ability to recover +99% of all processed material
- **Consistent PSD Curves & Narrower Spans**
Highest percentage for D_{90} targets in the range of 20 – 60 μm
- **Easy Disassembly Of Components**
Components can be taken apart quickly – no specialized tools required
- **Portable Frame**
Includes product feeder, PLC control panel, milling chamber & product collector
- **No Discernible Vibration**
No need to fasten or secure in place



ANALYSIS CHART EXAMPLE



QUADRO® FINE GRIND MODEL F10



1. Dual Counter-Rotating Screw Feeder
2. Air Intake HEPA Filter
3. Control Panel
4. Enclosed Motor & Exhaust Blower
5. Portable Base
6. Height Adjustable Product Collector
7. Automatic Filter Backwash Assembly
8. Product Collector With 4 EPTFE Filters
9. 6" Sanitary Connection
10. Dual Chamber Mill Housing

PROVEN PERFORMANCE REFERENCE GUIDE

Typical fine grinding results of common products (µm):

Material	D ₁₀	D ₅₀	D ₉₀	kg / hr
API* – A	2	12	49	170
API* – B	2	10	33	90
API* – C	1	7	20	43
API* – D	3	19	63	108
Testosterone Propionate	6	22	68	50
Sodium Sulfite	2	8	17	81
Budesonide	1	5	11	40
Midodrine	6	17	58	45
Benzocaine	12	35	74	60
Creatine Monohydrate	1	6	21	10
Prophyridium SP	5	16	36	100

*APIs are proprietary information.

INNOVATIVE PRODUCTS BACKED BY WORLD-LEADING EXPERTISE AND SUPPORT



Quadro Engineering Corp. continues to be the trusted partner of the world's leading pharmaceutical, food, personal care, fine chemical and biotech processing companies.

For over four decades, Quadro has endeavored to improve and refine their conical milling technology. Find out what underscores our reputation for supplying high quality powder processing equipment solutions. Let us help fulfill your specific application requirements.

Discover and experience the Quadro difference!

● Headquarters

● IDEX MPT Centers of Excellence

Representation in over 80 countries worldwide



Missouri Filter & Process Equipment Co
MOFILCO-Quality, Value, Service
12025 Manchester Road, Suite 30G
St Louis MO 63131

314-821-4321 www.mofilco.com
mofilco@mofilco.com

Quadro Engineering Corp.

Tel: +1.519.884.9660

Email: quadrosales@idexcorp.com

www.quadro-mpt.com

613 Colby Drive

Waterloo, ON, Canada

F10 01/21