



FlackTekTM

Technology Portfolio

ONE TECHNOLOGY.
FROM LAB-SCALE TO MASS PRODUCTION.



BUILT WITH PRIDE. TRUSTED TO PERFORM. BEYOND MIXING™.

FlackTek™ technology is built to make material processing faster, cleaner, and more repeatable. Our bladeless centrifugal processing systems mix, disperse, de-air, degas, and process materials in sealed containers, helping eliminate many of the challenges associated with traditional mixing methods.

From small-scale R&D to full production, FlackTek solutions are designed to scale with your process while maintaining consistency and control. With equipment, accessories, and technologies for a wide range of materials and applications, the FlackTek platform provides a flexible approach to building a better, more efficient manufacturing process.

EVERYTHING YOU NEED TO PROCESS BETTER

FlackTek™ goes beyond mixing equipment. Our technology is part of a complete material processing ecosystem designed to help you develop, optimize, and scale your process.

From equipment and accessories to custom engineering and application support, everything we offer is built around one goal: a better, more repeatable process.



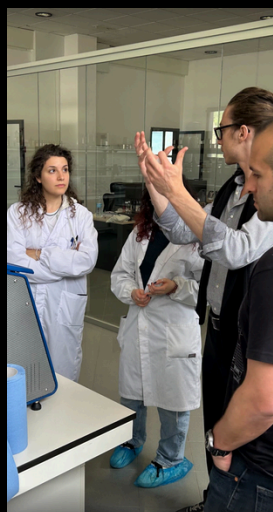
MACHINES

With batch sizes ranging from <1 g to 300 kg, we offer processing from lab-scale to production.



CUSTOM SOLUTIONS

Engineered solutions for applications or industries that need something different.



SUPPORT

Application expertise, process optimization, service, training, and ongoing support.



ACCESSORIES

We supply all you need to process your materials. Containers, holders, adapters, dispensing solutions, and more

SMALL

UP TO 200 g
R&D | lab-scale

With a compact footprint built for your bench-top, and flexible processing capabilities, the FlackTek Small lineup gives researchers and engineers a practical platform for developing better processes while conserving valuable materials.

KEY FEATURES

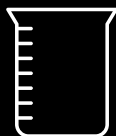
- Data acquisition
- Remote operation
- Touch Screen Controlled
- Save up to 125 programs
- Real-time process monitoring



200 g

MAX WEIGHT

Mixing up to
200 grams per batch.



515 cc

MAX CONTAINER SIZE

Container sizes
up to 515 cc in volume.



3500 RPM

MAX SPEED

High-speed processing
up to 3500 RPM.

MEDIUM

UP TO 2 kg
R&D | PRODUCTION

With increased capacity and greater process control, the FlackTek™ Medium lineup gives researchers and manufacturers a flexible platform for moving from development into production while maintaining the speed, consistency, and repeatability of their process.

KEY FEATURES

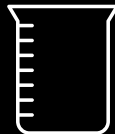
- Up to 250 Programs
- Programmable vacuum
- Dual PID control
- Positive pressure environment
- Inert gas purge
- Remote operation
- Torque, vibration, speed readout
- Data acquisition
- Servo driven for precise control



2 kg

MAX WEIGHT

Mixing up to
2 kilos per batch.



3500 cc

MAX CONTAINER SIZE

Container sizes
up to 3500 cc in volume .



2750 RPM

MAX SPEED

High-speed processing
up to 2750 RPM.

LARGE

UP TO 50 kg PRODUCTION

With production-scale capacity and advanced process control, the FlackTek™ Large lineup gives manufacturers a powerful platform for increasing throughput while maintaining the consistency, repeatability, and control established at smaller scales.



KEY FEATURES

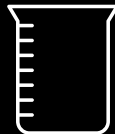
- Up to 250 Programs
- Programmable vacuum
- Dual PID control
- Positive pressure environment
- Inert gas purge
- Remote operation
- Torque, vibration, speed readout
- Data acquisition
- Servo driven for precise control
- Twin baskets for dual containers



50 kg

MAX WEIGHT

Mixing up to
50 kilos per batch.



20 L

MAX CONTAINER SIZE

Container sizes
up to 20 L in volume .



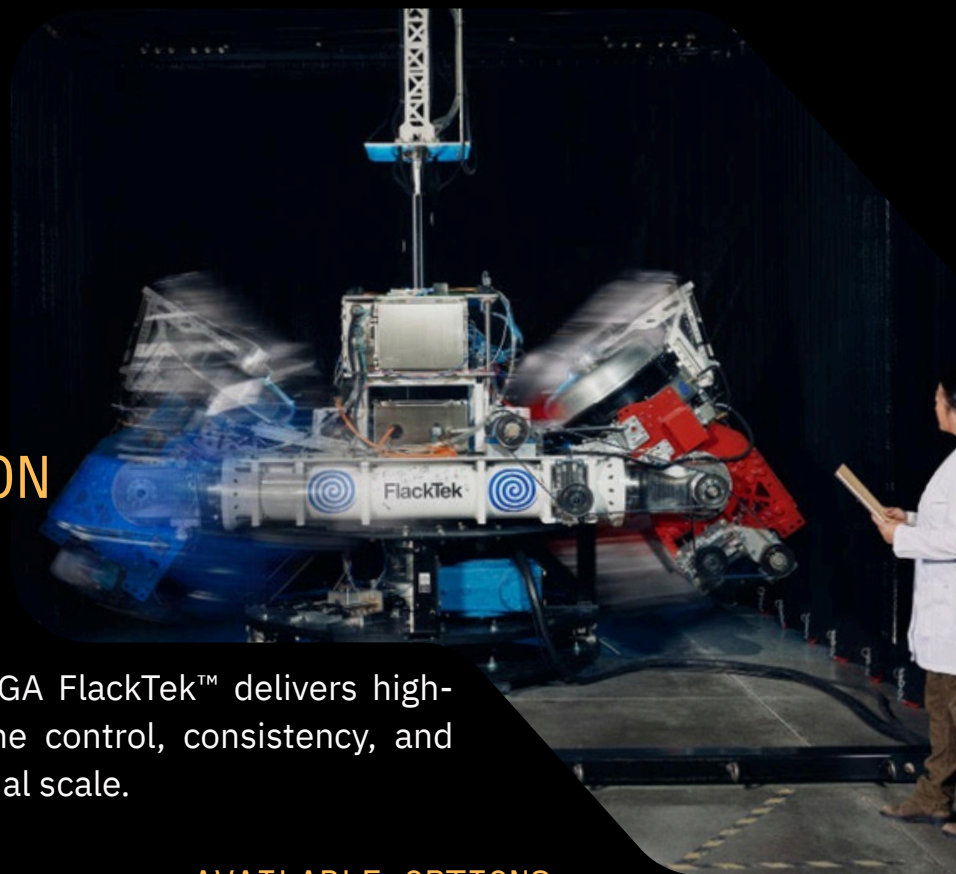
500 RPM

MAX SPEED

High-speed processing
up to 500 RPM.

MEGA

UP TO 300 kg
MASS PRODUCTION



Built for mass production, MEGA FlackTek™ delivers high-throughput processing with the control, consistency, and repeatability needed at industrial scale.

KEY FEATURES

- Rapid changeover with robotic integration
- Removable container system
- Single or reusable drum style containers
- Safety limit switches and caging
- Easy access for routine maintenance
- TEFC 230/460 V, 3 phase, 50/60 Hz motor

AVAILABLE OPTIONS

- Full vacuum capability
- Inert gas purge capability
- Control panel optimization
- Remote + direct temperature monitoring
- Temperature control
- Live video feedback
- Variable rotation control
- Remote operation
- Gondola angle control



300 kg

MAX TOTAL WEIGHT

Mixing up to
300 kilos per batch.



170 L

MAX CONTAINER SIZE

Twin containers up to
170 L each in volume.



220 RPM

MAX SPEED

High-speed processing
up to 220 RPM.



CUSTOM SOLUTIONS

When an application requires more than a standard configuration, FlackTek™ can engineer a solution around your material, process, and production requirements. From added process control to automation and specialized equipment configurations, our team works with you to build the capabilities you need.

PERFORMANCE

- High-torque / heavy-duty drive systems
- Custom weight & volume configurations
- Twin-container processing
- Custom balance configurations
- Temperature monitoring
- Temperature control
- Vacuum processing
- Inert gas capability
- Real-time process monitoring
- Data acquisition

AUTOMATION & SOFTWARE

- Robotic integration
- Custom automation
- Custom software & HMI
- SCADA access
- Remote operation
- On-screen diagnostics

SAFETY & COMPLIANCE

- Cleanroom configurations
- HAZLOC options
- External safety interlocks
- User-level access & passwords
- CE / UKCA / UL options
- RFID, QR & barcode integration

TOOLS & ACCESSORIES

Everything around the machine matters, too. Explore containers, material handling tools, and accessories designed to make your FlackTek™ process easier from start to finish.



MIXING CONTAINERS: CUPS & BUCKETS

Disposable or reusable containers ranging in size, material, and opacity.



HOLDERS & ADAPTORS

Designed to securely fit FlackTek™ containers for balanced processing.



SYRINGES & CARTRIDGES

Process materials directly in cartridges or syringes.



DISPENSING & MATERIAL TRANSFER

Simplify your material transfer and dispensing..



GRINDING & MILLING

Specialized tools for particle size reduction, grinding, milling, and material preparation.



FLACKTEK MARKETPLACE™

Shop compatible containers, accessories, and everyday processing essentials online.



Contact

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