



**Here to help, from
beginning to end.**

INDUSTRIAL MIXING EQUIPMENT & SOLUTIONS

MXDPROCESS.COM

Welcome to the MXD Process Family.

We founded MXD Process on the belief that helping companies better serve their customers can change the world. We believe we make the world a little better when we help customers produce higher-quality products at a better price while consuming fewer resources. To bring this reality to life, we strive to be the most helpful company in the process engineering and equipment industry.

We do this by starting with a simple question, "What are you trying to make?" We dig into your process design and production methods to deeply understand your needs. We apply our process expertise to customize a solution to solve your challenge, not sell what products we have on the shelf. Our teams support you through installation and ramp-up so you can better serve your consumers.

Our broad range of process tanks, mixers, controls, mills, and accessories are designed in-house to meet your needs. Let's connect and work together to improve your process and make the world a little better every day.



MXD Process Products



Mix It Right. Every Time.

From idea conception, engineering and design, to manufacturing and implementation, we are a comprehensive process company. With an in-house engineering team, stainless steel tank fabrication shop, machine shop and assembly plant, we have eliminated the gaps in manufacturing that typically lead to longer lead times and rework due to poor communication. We focus on building every process system as an integrated piece of equipment, guaranteeing every component is designed to work seamlessly together to produce the production outcome you require.

We do this by starting with a simple question, **“What are you trying to make?”** We dig into your process design and production methods to deeply understand your needs. We apply our process expertise to customize a solution to solve your challenge, not sell what products we have on the shelf. Our teams support you through installation and ramp-up so you can better serve your consumers.



A handwritten signature in black ink, appearing to read 'Mark Franco'.

Mark Franco
CEO
MXD Process





MIXER DIRECT
INDUSTRIAL AGITATORS

The industrial mixing equipment you select is fundamental to your company's performance and overall success. That's why businesses across the manufacturing landscape, from major petroleum and pharmaceutical companies to startup breweries, rely on Mixer Direct. As part of the MXD Process family of products, we partner with our clients to not only help them reach their desired goals but to explore their own processes and achieve more. We understand that for your customers to be satisfied with your product, you must first be satisfied with ours.

Shop our mixers online at mixerdirect.com

Seal Options

- Single Mechanical Seal
- Double Mechanical Seal
- Stuffing Box
- High Performance Teflon Seal
- Viton Lip Seal
- FDA Lip Seal

Power Options

- XP Inverter Duty
- TEFC Electric Motors
- Air Powered Motors
- Variable Speed
- Local Control Panels



1000+ Gallons

- Flange Mount
- Plate Mount
- Top Entry
- Side Entry



Portable Mixers

- Economy Clamp Mount
- Heavy Duty Clamp Mount
- Bung Mount
- Tri-Clamp Mount
- Drum Clamp Mount
- Drum Lid Mount
- Drum Bracket Mount
- Economy Tote Bracket Mount
- Tote Bracket Mount



Small Batch Mixers

- Air Stirrers
- Electric Stirrers
- 5 Gallon Pail Mixers
- Lab Mixers
- Lab Impellers

Mixer Impellers & Accessories

We offer a large selection of mixer accessories to further customize your mixer to your exact process needs. From low shear impellers to high shear dispersion blades, and stainless steel shafting cut to length.



Mixing Systems & Heat Transfer

Combined tank and mixer systems offer an efficient way to blend a variety of ingredients. From challenging high-viscosity processes to creating quality emulsions, utilizing a mixing system designed to specification to your mixing process can ensure your desired outcomes.



Dual & Multi- Shaft Mixers

Dual & Multi-Shaft Mixers are a highly versatile mixer designed for mixing high viscosity materials while still delivering the adequate shear necessary to break down agglomerations or create emulsions. They consist of one large anchor impeller equipped with scrapers and one or more high shear mixing heads, with the anchor pulling material from the walls of the tank inward toward the shear zones.

- Uses a combination anchor and disperser to move product up to 1.5 million cps. in viscosity.
- XP Inverter Duty motor options for hazardous environments operation.
- Customize with Nylon or PTFE scrapers.
- Baffle and ASME tank jacket options for heating and cooling capabilities.



Heat Transfer Skids

- Analog or Digital PID Controls
- Operating Temperatures up to 240°F and custom configurations up to 400°F.
- Cooling with a chiller or city water.
- 6KW - 36KW





Whether prefabricated or custom designed to your liking, stainless steel tanks from BCast are works of art that carry out an important function— delivering the goods for your organization. As part of the MXD Process family of products, BCast is more than a supplier of exceptionally crafted stainless steel vessels. We view ourselves as a partner, working with you to help select the best equipment for your needs, for today and long-term. We find our success in helping you achieve yours, providing the right equipment, service and guidance to make your goals a reality.

Stainless Steel

- 5-25,000+ Gallons
- Mixing Tanks
- Storage Tanks
- Portable Tanks
- Pressure Vessels
- ASME Code
- Vacuum Tanks
- Slope Bottom
- Cone Bottom
- Dish Bottom
- Flat Bottom
- 316 Stainless Steel
- 304 Stainless Steel
- Ground Welds
- #4 Finishes
- 32 RA w/ Certs
- 25 RA w/ Certs
- Hastelloy
- Carbon Steel
- Titanium
- Coil Jackets
- Dimple Jackets
- Baffle Jackets
- Insulation Jackets
- Internal Baffles
- Man-ways
- Sight Glass
- Sanitary
- Hinged Lids



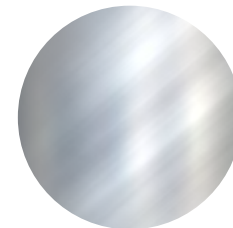
Polyethylene

- Portable Tanks
- Flat Bottom
- Cone Bottom



Polishes & Finishes

- 2B Mill Finish
- 2B - G (welds ground)
- #4 Food Grade
- 24 - 32Ra Certifications
- #7 - 8 Mirror



Design your own tank

Use our online Tank Designer to design a stainless steel vessel and get quoted instantly. Customize volume, fittings, and process specifications like pressure, sanitary, and material requirements.





High-shear mixing is a specialty that demands consistency and unerring quality in every batch. As part of the MXD Process family of products, ShearPro is more than manufacturing the highest quality high shear mixers and equipment. From system evaluation to laboratory testing and customization, we give you the tools and support to take your product and performance to the next level. While we take great pride in the quality of our high shear mixers and mixing tools, the satisfaction your customers enjoy is the reward we prize most.



Dispersers

- Bench Scale Dispersers
- Post Mount Dispersers
- 5-300 Gallon Dispersers
- 3-30 HP Dispersers
- Top Entry Dispersers
- Multi-Shaft Dispersers
- Explosion Proof
- Dispersers
- Vacuum Dispersers
- Safety Controls
- Air Lift
- Electric Lift
- Air Over Oil Lift



Rotor Stator Mixers

- Bench Scale Rotor Stator Mixers
- Post Mount Rotor Stator Mixers
- Batch Rotor Stator Mixers
- 5-300 Gallon Mixers
- 3-30 HP Options
- Interchangeable Rotor Stator Sets
- Explosion Proof Mixers
- Safety Controls
- Air Lift
- Electric Lift
- Air Over Oil Lift



In-Line Mixers

- 2-40 HP Options
- Standard TEFC Electric, Stainless Steel, and Explosion Proof Motors
- Once-Through or Re-Circulation Processing
- Interchangeable Rotor Stator Sets
- Ultra-High Shear Capabilities



From cosmetics, plastics and adhesives to dentals composites and pharmaceuticals, the Torrey Mills Three Roll Mill has helped companies produce the superior dispersions their industries require. With just one purchase, this hard-working, easy-to-use product delivers years of exceptional performance with consistently high output and almost no maintenance. And as with all MXD Process products, business owners are happy to find Torrey Mills provides more than top-of-the line products and support. We offer a partnership you can count on.



TM50

- Small Footprint For Benchtop Applications
- Stainless Steel or Ceramic Rollers
- Full Stainless Steel Enclosure
- Up to 4.2 Gal/Hr. Throughput
- 13.5" x 8.5" x 9" Overall Dimension



TM65

- Stainless Steel or Ceramic Rollers
- Full Stainless Steel Enclosure
- Up to 3.6 gal./hr. Throughput
- 26"x11"x15" Overall Dimensions



TM65B

- Stainless Steel or Ceramic Rollers
- Full Stainless Steel Enclosure
- Up to 7.5 gal./hr. Throughput
- 30"x11"x15" Overall Dimensions



Explore our innovative solutions for industrial air and water purification in your manufacturing. With a focus on environmental responsibility and regulatory compliance, we serve industries ranging from manufacturing to chemical processing, ensuring cleaner, safer, and more efficient operations. We use cutting-edge technologies tailored to meet the specific needs of each client, offering solutions that reduce emissions, remove harmful pollutants, and enhance sustainability across industrial applications.



Air Pollution Control

Our air pollution control equipment is used for removing acids, organic vapors, particles, or a combination of these from large or small industrial applications.

- Air Scrubbers
- Thermal Destruction Systems (Oxidizers)
- NOx Cleanup Equipment
- Vapor Phase Carbon Systems



Water & Wastewater Treatment

Our water purification equipment is used for cleaning water by aeration to remove volatile organics, ammonia and other gases from water. Air is most commonly used to contact the water and transfer the small amount of contaminants that are present, but we can customize to use other gases as required.



Services & Capabilities

In addition to the manufacturing of processing equipment, we offer controls and automation engineering to give you as much control over your process as you require. From recipe execution to fully automated, continuous processing, we can design a system to meet your exact processing needs.



Controls & Automation

- Level Switches
- Flow Sensing
- Remote Controls
- Full Ethernet Controls
- Condition Monitoring
- Industrial Computer Integration
- Operator Interfaces
- EMC Filtering
- PLC Controls
- Full Automation Programming
- Variable Speed
- PID Tuning
- Batch Controls
- Encoders
- Controllers
- Allen-Bradley OEM
- Siemens OEM



HERITAGE
RECONDITIONED EQUIPMENT

Reconditioning & Used Equipment

Our reconditioning services and used equipment sales provides you more value in purchasing equipment. Whether you're looking for a cost effective alternative to buying new equipment or getting more life out of existing equipment, our team can provide options outside of new design and fabrication.

- Complete machine disassembly.
- Sandblast and repaint exterior surfaces.
- Pressure test and inspect heat exchange surfaces.
- Replace deteriorated steel and worn parts.
- Polishing of stainless steel surfaces.
- Apply primer and finish coats to carbon steel surfaces.
- Install new gaskets, bearings, and seals.
- Electrical testing and test run with leak check.

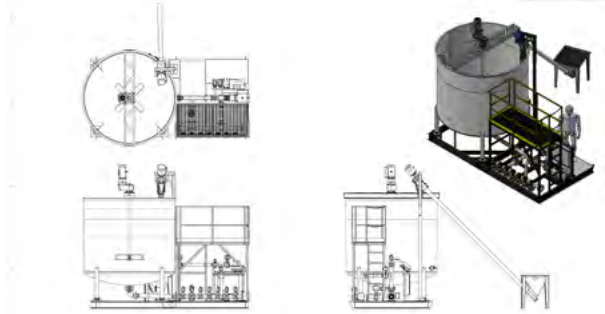


Process Engineering & Design

Providing solutions outside the fabrication of equipment, we offer a variety of additional services to all of our customers. Whether you're starting your process from scratch, scaling up, or innovating on an existing process, we strive to be a comprehensive solutions provider for manufacturers large and small.

Documentation

- P&ID Creation
- PFD Creation
- Drawings Upon Request
- Sanitary/Food Grade Certifications
- ASME Certification



Additional Services

- Project Management
- In-House Design Engineering
- Laboratory Testing Services
- General Rheology Testing
- "Proof of Concept" Testing
- Process Scaling



Custom Solutions - Never "One Size Fits All"

When you work with our skilled team of technical sales specialists, design engineers, and project managers, you can be confident we're providing a solution unique to your process. At the core of MXD Process, we believe for your customers to be satisfied with your product, you must first be satisfied with ours.



PUT A PROCESS EXPERT IN YOUR CORNER.



WWW.MXDPROCESS.COM

4650 New Middle Road
Jeffersonville, IN 47130

812-202-4047
info@mxdprocess.com