CORPORATE PHILOSOPHY

WAMGROUP® aims for worldwide leadership in the supply of equipment for Bulk Solids Handling, Waste Water Treatment and Renewable Energy Generation.

Vision & Mission

WAMGROUP® regards honesty and fairness as cornerstones in its relationship with customers, suppliers, business partners, stakeholders and employees.

WAMGROUP® intends to be innovative in the development, industrial manufacturing and distribution of market-oriented equipment through specialised distribution channels.

WAMGROUP® is determined to supply the most comprehensive range of equipment available to deliver the one-stop-solution in the area of Bulk Solids Handling, Air Filtration, Mixing, Waste Water & Sludge Treatment, Renewable Energy Generation and Vibration Technology.

WAMGROUP® will always do its best to offer any customer in any place in the world the highest possible quality product and service at the most competitive price.

Vainer Marchesini
WAMGROUP Chairman & C.E.O.
INNOVATION
Innovation at WAMGROUP plays an important role in overcoming global challenges and it is a key driver to future growth.

RESEARCH AND DEVELOPMENT
- In-house R&D Center
- 115 Inventions
- 148 International Patents
- 10 Testing Facilities Worldwide

SPECIALIZATION
Technology-driven and Industry-oriented Solutions

INDUSTRIES
- Feed & Food
- Plastics & Chemicals
- Heavy Industries
- Building & Asphalt
- Plants & Machinery

TECHNOLOGIES
- Mixing
- Bulk Solids Feeding & Conveying
- Discharging & Loading
- Air Filtration
- Flow Interception
- Pneumatic Conveying

GLOBAL PRESENCE
More than 60 subsidiaries in the world

INCLUDING
- United States of America
- Central America
- Brazil
- Argentina
- Chile
- Mexico
- Australia
- Italy
- France
- Germany
- Spain
- Holland
- Dubai
- Morocco
- China
- Japan
- India
- Russia
- Thailand
- South Korea

15 SPECIALIZED BRANDS
Offering an unmatched range of bulk material handling solutions

PRODUCING EQUIPMENT FOR
- Bulk Solids Handling
- Bulk Solids Discharging
- Mixing Technology
- Waste Water Treatment
- Solids-Liquid Separation
- Hydroenergy
- Mechanical Conveying
- Pneumatic Conveying
- Vibration Technology

...and many more
WAM Adria (Croatia)
WAM Argentina
WAM Australia
WAM Baltic (Estonia)
WAM B.H.M (Belgium)
WAM Chile
WAM do Brasil (Brazil)
WAM Egypt
WAM Engineering (UK)
WAM EurAsia (Turkey)
WAM Finland
WAM France
WAM France Environnement
WAM GmbH (Germany)
WAM Helvetia (Switzerland)
WAM Holland
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WAM Inc. Texas (USA)
WAM India
WAM Indonesia
WAM Japan
WAM Korea (South Korea)
WAM Latin (USA)
WAM Malaysia
WAM Maroc (Morocco)
WAM Mexico
WAM Middle East (U.A.E.)
WAM Moscow (Russia)
WAM M.H.E. (New Zealand)
WAM Polska (Poland)
WAM Product (Croatia)
WAM Romania
WAM Scandinavia (Denmark)
WAM Shanghai (P.R.C.)
WAM Singapore
WAM South Africa
WAM Spain
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WAM Wuxi (P.R.C.)
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- ENVIRO-CARE (USA)
- FLITECH (Italy)
- MAP GmbH (Germany)
- RONCUZZI (Italy)
- SAVI (Italy)
- SILOFAB (Romania)
- SIR (Italy)
- SPECO Hidrotecnología (Spain)
- TECNO CM (Italy)
- TECNO CM (Romania)
- TOREX (Italy)
- TOREX (Malta)
- VISAM (Italy)
- OLI Vibrators (Australia)
- OLI Benelux
- OLI do Brasil (Brazil)
- OLI France
- OLI GmbH (Germany)
- OLI India
- OLI Italy
- OLI Makine (Turkey)
- OLI Middle East (U.A.E.)
- OLI Poland
- OLI Romania
- OLI Russia
- OLI South Africa
- OLI Spain
- OLI Thailand
- OLI UK
- OLI Vibra (Malta)
- OLI Vibra Nordic (Sweden)
- OLI Vibrator (USA)
- OLI Wolong (P.R.C)
PRODUCT RANGE

Bulk Solids Conveying
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Bulk Solids Discharging
9 - 10

Bulk Solids Feeding & Metering
11

Bulk Solids Flow Interception
12

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Pneumatic Conveying
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Mixing-Conditioning-Agglomerating-Granulating
20 - 22
Screw conveyors are used in many industries to transport and distribute flowable bulk solid materials. With certain modifications and/or variations in the mechanical arrangement, screws may also be used to mix, blend, or agitate. Current U.S. industry standards cover 6”, 9”, 12”, 14”, 16”, 18”, 20” and 24” diameter conveyor sizes with U-trough. Standard shaft sizes are 1-1/2”, 2”, 2-7/16”, 3” and 3-7/16” diameters, with 2-bolt drilling. Other non-standard screw sizes, shaft dimensions and flared housings available.

WAM Screw Conveyors and Feeders are manufactured in carbon steel or stainless steel with a variety of surface treatments. They are made up from a tubular trough that is equipped with at least one inlet and outlet spout, a welded flange at each tube end, helicoid screw flighting welded on a center pipe with a coupling bush at each end, two end bearing assemblies complete with self-adjusting shaft sealing unit, a number of intermediate hanger bearings depending on the overall length of the screw conveyor. Furthermore, WAM Tubular Screw Conveyors are equipped with a gear motor that suits the application.

WAM’s Shaftless Screw or Spiral Conveyor is an alternative concept to the traditional shafted screw conveyor. Material is conveyed by an extra-heavy-duty shaftless screw that slides on a low-friction, wear-resistant liner inside the conveyor trough housing. The U-troughs are manufactured in carbon steel or in 304 L / 316 L stainless steel, including an appropriate surface treatment.

WAM Inc. manufactures extra-heavy-duty spirals not only for their Shaftless Conveyors but also as components. They are manufactured in a variety of diameters, as single or double spiral, made out of special carbon steel or stainless steel.
WAM’s Vertical shafted and shaftless Screw Lift System consists of a Horizontal Screw Feeder and a Vertical Screw Conveyor. The Horizontal Screw Feeder, which may feed material from a silo or hopper or simply convey it being fed by an upstream feeding device, consists of a U-shape or tubular trough in carbon steel with appropriate surface finishing. The Horizontal Screw Feeder is equipped with one or more intermediate hanger bearings should its overall length require any. Furthermore, it is equipped with a drive unit suitable for the application.

**Vertical Screw Conveyors - VE**

6 inch to 24 inch diameter / \( Q_{\text{max}} = 56 \text{ cfm} \)

**Bucket Elevators**

WAM Bucket Elevators have been specifically developed for vertical elevation of calcium carbonate, lime, limestone, sludge, sand and similar dry, powdery, non-abrasive, non-packing materials that have a particle size between 0.04 and 0.1 inch and a slide angle of less that 40 degrees. Bucket Elevators are manufactured from extra-thick, hot galvanised carbon steel and stainless steel.

\( Q_{\text{max}} = 15,000 \text{ cfh} \)

**Live Bin Bottoms**

MU Live Bin Bottoms are equipped with a modular trough which encloses up to 6 shafted helicoid flight or paddle screws, flanged external, fully protected end bearing assemblies complete with manually adjustable packing gland and shaft seal, a rectangular outlet spout covering the entire width of the unit, bolted end plates, splined shaft couplings for medium-heavy-duty, flanged shaft couplings for heavy-duty version. They are manufactured in stainless steel and mild steel.

6 inch to 24 inch diameter

**CONSEP™ 5000 - Concrete Reclaimer**

Concrete Reclaiming Screw for the recycling of left-over concrete. Separation of aggregates and water so the aggregates can be re-used in the production of fresh concrete.

\( Q_{\text{max}} = 12 \text{ cfm} \)
BULK SOLIDS DISCHARGING

Vibratory Bin Dischargers - BA

The BA Bin Discharger is a device of tapered conical shape that due to vibration facilitates material flow from hoppers or silos. It consists of a seamless carbon or stainless steel cone manufactured on a sheet metal lathe, a seamless SiNT™ engineering polymer seal with integrated upper and lower flange, suspensions for connection of the Bin Discharger with the silo, as well as one or two electric vibrators.

\[ D_{\text{nom.}} = 16 \text{ in} \sim 10 \text{ ft} / Q = 3 \sim 190 \text{ cfm} \]

BELLOJET™ Loading Spouts are suitable for continuous loading at a maximum flow rate of 147 cfm of bulk material. BELLOJET™ Loading Spouts come with a dust collector integrated in the upper head, equipped with a 3HP fan which increases the efficiency of the filtering elements. At the lower end BELLOJET™ Loading Spouts are equipped with a sealing cone for tanker loading to prevent dust emission.

\[ Q \leq 150 \text{ cfm} / \text{Stroke} \leq 15 \text{ ft} \]

Open Truck Loading Spouts - ZH

The ZG/ZH Type Loading Spouts are constructed for the use of filling open trucks or railcars. Available in different construction materials with a selection of bellow materials. Can be equipped with manual handle winch or electric winch, with or without integrated fan and dust collector. A skirt at the discharge prevents uncontrolled dust flow.

\[ Q \leq 260 \text{ cfm} / \text{Stroke} \leq 20 \text{ ft} \]
**BULK SOLIDS DISCHARGING**

**Ship and Stockpile Loaders - ZX**

Loading spout for larger capacities and longer elevation lengths to fill ships or piling up material on an open deposit. Elevation with electric winch, with connection flange for dust collector. A skirt at the discharge prevents uncontrolled dust flow.

\[ Q \leq 1,060 \text{ cfm} / \text{Stroke} \leq 100 \text{ ft} \]

**MINIFILL™ - Drum Loaders**

Double wall loading spout with 2 pneumatic cylinders to fill IBCs and Drums dust free. The pneumatic cylinders are available with a stroke of 20, 30 or 40 inches. With pipe connection for the use with a fan and dust collector.

\[ Q \leq 150 \text{ cfm} / \text{Stroke} \leq 20", 30", 40" \]

**Manual Bag Dump Stations - RSM**

Available in carbon steel and stainless, with or without integrated dust collector and suction fan. Station can have a product collecting hopper underneath or a flat bottom with a sweeper arm for applications which require a reduced height of the station.

Max. bag size = 3½ ft

Integrated dust collector

**Bulk Bag Unloading Station - SBB**

Available in carbon steel or stainless, as unit to be loaded with fork lift /crane or with rail arm and hoist for those situations where the bulk bag needs to be picked up directly from the floor.

Max. FIBC size = 3½ x 3½ x 6½ ft
The MBF Micro-Batch Feeder for continuous volumetric feeding of powdery or granular materials consists of a steel-reinforced SINT™ engineering polymer body (optionally body entirely manufactured in stainless steel), a horizontally mounted rotating agitator tool, a feeder screw beneath the agitator tool, a feeder pipe enclosing the protruding feeder screw, one drive unit each for agitator and feeder screw. MBF series Micro-Batch Feeders are supplied in food-grade versions with FDA-approval on request.

Q = 0.18 ~ 2.33 cfm

DO Screw Feeders are mild steel and SS-type Screw Feeders which are equipped with an additional inlet hopper including an agitator tool for better material discharge into the feeder inlet.

Ø = 4½” ~ 9” / Prevention of bridging

RV Drop-Through Rotary Valves with square inlet and RVR with a circular inlet consist of a tubular cast iron or stainless steel casing, a horizontally mounted rotor with a certain number of V-shaped cross section compartments, a drive unit and a casing cover opposite the drive end.

Nom. sizes 6” to 20”
BULK SOLIDS FLOW INTERCEPTION

Butterfly Valves - VFS

VFS Butterfly Valves consist of two high-pressure die-cast semi-bodies manufactured from aluminium alloy, a swivel disc in SINT™ polymer composite or cast iron, and a pre-stressed elastomer seal. For the food industry a version with stainless steel disc and an FDA-approved integral seal is available.

Ø nom. = 4” – 16” / Max. pressure: 3 psi

SINT™ Slide Gates - VL

VL-type Slide Gates consist of a two-piece carbon or stainless steel frame, which is partly coated with WAM’s unique SINT™ engineering polymer composite, and a sliding blade manufactured either in the same material or in carbon or stainless steel. The use of SINT™ engineering polymer composites considerably increases resistance to abrasion compared to traditional valves.

Nom. sizes 6” – 16”

Low Profile Slide Gates - VIB

Special low profile slide gates made of cast aluminum. Polymer inlet section in food grade or standard quality available, as well different materials for the knife plate. In combination with WAM actuators these gates can be manually, pneumatically or electrically operated.

Nom. sizes 6” – 16”

Valve Actuators

Actuators, available as manual, pneumatic or electric drives are mainly used for WAM Valves, although application to other makes and types of equipment, such as diverter valves, dampers and valves for liquids, is possible.

Compatible with all WAMGROUP® valves
SILOTOP™ is a cylindrically shaped dust collector for venting of pneumatically filled silos. The stainless steel body contains vertically mounted POLYPLEAT™ filter elements. The air jet cleaning system is integrated in the hinged weather protection cover. Dust separated from the air flow by special POLYPLEAT™ filter elements drops back into the silo after an integrated automatic reverse air jet cleaning system inside the weather protection cover has removed it from the filter elements.

Filtration surface area: 264 sq ft

WAMFLO™ Dust Collectors are equipped with a cylindrical shape stainless steel body with flanged connection that contains vertically mounted POLYPLEAT™ filter elements. The air jet cleaning system is integrated in the top cover. WAMFLO™ Dust Collectors are available with or without suction fan.

Filtration surface area: 11 - 517 sq ft

WAMFLO™ Front is with large access door for removal of filter elements from dirty air side.

Filtration surface area: 11-517 sq ft / Air volume: 35-2,650 cfm

WAMAIR™ Dust Collectors consist of a polygonal shape stainless steel casing, horizontally or vertically inserted filter elements, and a reverse air jet cleaning system integrated in the hinged access door. WAMAIR™ Dust Collectors are either built in for venting applications or come as a stand-alone unit with dust collecting hopper. For suction, versions with an integrated fan are available.

Filtration surface area: 32 - 853 sq ft / Air volume: 147 - 3,830 cfm
WAMAIR™ Vacuum - Polygonal Dust Collectors

Specialized WAMAIR Dust Collector for pneumatic vacuum transport of powders and granules. Robust housing to stand up for the applied vacuum. Housing made of stainless steel, available with a variety of different filtering media, tailored for the application.

- 8.7 psi max.  Filtration surface area: 32 ~ 194 sq ft

DRYBATCH™- Dry-Batch Concrete Plant Dust Collectors

The polygonal shape DRYBATCH™ R01 Dust Collector is equipped with horizontally mounted filter elements, a compressed air jet cleaning system integrated in the access door and a suction fan. The DRYBATCH™ R01 Dust Collector has been specially designed for dust collection from the truck mixer inlet zone in dry batch plants during filling of the truck mixer.

Air volume: up to 5,000 cfm

HOPPERJET™ - Hopper Venting Filters

HOPPERJET™ is a small footprint venting filter for installation on intermediate storage hoppers or weigh hoppers. Dust which is separated from the air flow by a single POLYPLEAT™ or bag-type filter element drops back into the hopper after an integrated automatic reverse air jet cleaning system inside the weather protection cover has removed the dust particles from the filter elements.

Filtration surface area: 5.4 / 21.5 sq ft / Air volume: 29 ~ 117 cfm

HOPPERTOP™ - Weigh Hopper Venting Filters

HOPPERTOP™ is a small cylindrical venting filter specifically for installation on weigh hoppers in concrete batching plants. Dust which is separated from the air flow by a single WAM cartridge filter element drops back into the hopper after an integrated automatic reverse air jet cleaning system inside the weather protection cover has removed the dust particles from the filter elements.

Filtration surface area: 10.8 sq ft / Dust emission: < 10 mg/Nm³
EXTRACURVE™ is a wide radius Pipe Elbow that is inserted as a link in pneumatic conveying ducts. The elastic Pipe Elbow is a one-piece SINT™ engineering polymer cast with a helicoid spring core. Its great flexibility and excellent resistance to wear result in doubling of the durability as the Elbow can be simply mounted in reverse position as soon as it shows any signs of wear.

\[ \varnothing = 2'' - 3'' - 4'' \quad r = 3 \text{ ft} \quad \text{Flexible spring core SINT™ design} \]

EXTRABEND™ is a short radius Pipe Elbow that is inserted as a link in pneumatic conveying ducts. The Pipe Elbow is a one-piece SINT™ engineering polymer cast. Its special geometry enables the diversion of the conveyed material at minimum wear due to a dead zone at the point of diversion.

\[ \varnothing = 2'' - 3'' - 4'' \quad \text{Anti-wear SINT™ design} \]

The VAR Diverter Valve consists of a cast aluminum casing and cover, an inlet and two outlets. The rotating internal drum optionally closes one of two outlets which are connected with pneumatic conveying ducts. The rotation of the internal drum is activated by means of a pneumatic actuator. Perfect sealing is guaranteed by internal pneumatically inflatable seals. VAR Diverter Valves are suitable for conveying any type of powdery or granular material.

\[ \varnothing_{\text{nom.}} = 3'' - 4'' - 5'' - 6'' - 7'' - 8'' \quad 51 \text{ psi max.} \]
PNEUMATIC CONVEYING

**Flap Diverter Valves - VAB**

The VAB Flap Diverter Valve uses a swinging flap to divert material from one duct to another. VAB Flap Diverter Valves are fitted on pneumatic conveying ducts whenever it is required to switch the flow of material to different production lines. The two-way flap type diverter valve is designed to meet the pneumatic conveying industry’s requirement to re-route powders, pellets or granules from one discharge point to another with minimum pressure drop and high sealing efficiencies.

\[ \varnothing_{\text{nom.}} = 2.5'' - 3'' - 4'' - 5'' - 6'' - 7'' - 8'' / 30 \text{ psi max.} \]

**Diverter Valves for Pneumatic Conveying - VAD**

VAD Diverter Valves consist of an aluminum die-cast casing and a swivel flap that closes one duct or the other. The range suits common pipe standards used for pneumatic conveying. Internal sealing of the body is achieved through low friction gaskets. Surface treatment is available to make the valves suitable for operation with different materials.

\[ \varnothing_{\text{nom.}} = 2'' - 3'' - 4'' / 360 \text{ psi max.} \]

**Pinch Valves - VM**

The body of the VM Pinch Valve is manufactured in aluminum alloy. The sleeves are made from fabric-reinforced material. The sleeve support bushes are either made from aluminium alloy, hardened carbon steel, or 304/316 stainless steel. VM-type Pinch Valves are used for interception of the material flow in pneumatic conveying systems, or other pipelines. In addition, they can be installed as a locking device for silo filling pipes.

\[ \varnothing_{\text{nom.}} = 0.5'' - 8'' / \text{Sleeves in rubber, NBR or EPDM} \]
RVS Blow-Through Rotary Valves consist of a tubular cast iron or stainless steel casing, a horizontally mounted rotor with a certain number of oblique V-shaped cross section compartments, a drive unit and a casing cover at each end. Two compartments at a time of the continuously turning rotor are filled up with material through the inlet at the top of the Rotary Valve.

\[ Q_{\text{nom.}} = 0.17 - 0.3 - 0.5 - 0.7 - 1.3 \text{ cu ft per revolution / ATEX zone 22} \]

The GT Plain Pipe End Couplings consist of two cast iron semi-casings with heavy-duty jaws set into the casing halves to secure the pipes together in a safe, quick and rigid way. The two semi-casings are joined together by strong bolts and nuts positioned on the two ends. The sealing is assured by gaskets made from EPDM or food-grade SILICONE. GT Couplings are suitable for both mild steel and stainless steel pipes.

Operating pressure: min. -7.2 PSI / max. 101.5 PSI / sizes 1.5" - 8"
SILO SAFETY COMPONENTS

Rotating Level Indicators - ILT

ILT-type Bin Level Indicators have been designed for electric signalling by rotary action of minimum or maximum material level inside bins, hoppers or silos.

Multi-voltage / ATEX II 12 D (dustEx) certificate

Plumb-Bob Style Level Indicators - ILS

ILS is a Continuous Level Measurement system for any kind of powdery or granular material stored in silos or containers. The feel weight of the ILS-system moves, microprocessor-controlled, down into the container. Upon impact on the bulk material it is pulled back to its upper stop position. By capturing the distance that the feel weight has moved the material level is measured.

Multi-voltage / ATEX II 12 D (dustEx) certificate

Vibrating Level Indicators - ILV

ILV-type Bin Level Indicators have been designed for electric signalling by vibration of a fork of minimum or maximum material level inside bins, hoppers or silos. The ILV device is used for level monitoring in all types of bins or silos and for all kinds of powders or granular materials.

Multi-voltage / ATEX II 12 D (dustEx) certificate

Pressure Switches - IPM / IPE

Membrane pressure switch to detect a dangerous pressure level in silos and vessels. Available as a mechanical switch with a fixed pressure value or as electronical switch with a continuous output signal of 4-20 mA.

Pressure reading in real time  Microswitch-controlled
SILO SAFETY COMPONENTS

Spring-Loaded Pressure Relief Valves - VCP

VCP Pressure Relief Valves consist of a cylindrical casing with a bottom flange to be connected with a spigot welded on the silo roof, a disc shape inner steel lid for negative pressure operation held in position by a central spring rod, an outside steel ring for excess pressure kept in position by three spring rods, gaskets, and a weather protection cover.

Excess pressure: 0.44 PSI ~ 1.16 PSI / Negative pressure: - 0.07 PSI ~ - 14.5 PSI

Membrane Pressure Relief Valves - VHS

VHS Pressure Relief Valves consist of a cylindrically shaped metal body with clamp connection spigot to the silo, an exhaust outlet spout for duct connection, an elastic diaphragm able to re-establish pressure balance instantaneously, a counterweight kit to keep the Valve closed under normal conditions, and a weather protection cover.

Excess pressure: 0.44 PSI ~ 1.16 PSI / Negative pressure: - 0.07 PSI

Silo Safety Systems - KCS

WAM provides different components to protect a silo from false filling, over pressure and over filling. All these components together with the dust collector can be connected and controlled via the KCS silo controller. Available as electro-mechanical control panel or electronic control unit. A single electronic unit can monitor up to 32 different silos.

Prevents air pollution
WBH Horizontal Single Shaft Batch Mixers consist of a mixing drum vessel with an inlet, an outlet with discharge valve and a venting spout, a mixing shaft, two drum closing end plates that carry flanged end bearing assemblies complete with integrated adjustable shaft sealing unit, and a drive unit complete with power transmission. Plow or inclined blade-type shovel tools rotate as mixing tools in a special arrangement on the mixer shaft in a horizontal, cylindrical drum. The result is a turbulence in the mix that constantly involves all the product particles in the mixing process.

**Range:** from 2.6 to 882 cu ft / **Mixing Capacity:** from 2 to 20 batches/h

WAH Continuous Horizontal Single Shaft Mixers consist of a cylindrical mixing drum vessel with an inlet, an outlet at the opposite end and a venting spout, a mixing shaft, two drum closing end plates that carry flanged end bearing assemblies complete with integrated adjustable shaft sealing unit, and a drive unit complete with power transmission.

**Range:** from 2.6 to 882 cu ft

Batch-type WBN Ribbon Blenders consist of a horizontal, single shaft double counter-pitch ribbon screw housed in a tubular mixing drum, a central inlet or a rectangular shape inlet port across the entire length of the mixing drum, an outlet with central discharge port, a venting spout, two drum closing end plates that carry flanged end bearing assemblies complete with integrated adjustable shaft sealing unit, and a drive unit complete with power transmission.

**Q = 2.6 ~ 530 cu ft**
Batch-type WBR Ribbon Blenders consist of a horizontal, single shaft double counter-pitch ribbon screw housed in a U-shaped trough mixing drum, a central inlet or a rectangular shape inlet port across the entire length of the mixing drum, an outlet with central discharge port, a venting spout, two drum closing end plates that carry flanged end bearing assemblies complete with integrated adjustable shaft sealing unit, and a drive unit complete with power transmission.

\[ Q = 2.6 \sim 310 \text{ cu ft} \]

**U-Trough Batch Ribbon Blenders - WBR**

MLH is a Laboratory Batch Mixer suitable for applications in the pharmaceutical, food, chemical, biochemical, and powder metallurgy industry. The MLH consists of a stand-alone drive unit with incorporated frequency inverter, an easily replaceable horizontal mixing shaft supported at the drive end only, and an easily replaceable, revolving mixing vessel complete with inlet/outlet. The quick change of drum size combined with a rich basic equipment package ensures the use for a variety of applications.

Available sizes: 1.5 / 3 / 8 / 13 Gal

**Laboratory Mixers - MLH**

The DUSTFIX™ Dust Conditioner consists of a carbon steel tubular casing with SINT™ engineering polymer liner, a combined feeder screw/mixing shaft entirely manufactured in SINT™ engineering polymer, one vertical inlet and a flush outlet in SINT™, a liquid supply point in the conditioning section, a drive unit with integrated adjustable shaft sealing unit.

\[ Q_{\text{max.}} = \text{up to } 80 \text{ t/h} \]

**DUSTFIX™ - Dust Conditioners**
MESC-type Twin Shaft Paddle Mixers (MESC-UM as conditioner with liquid injection) are equipped with two parallel counter-rotating intermeshing paddle shafts. The adjustable angle of inclination of the mixing paddles allows perfect adaptation to the different characteristics of the materials and to the requirements of the mixing process.

\[ Q_{\text{max.}} = 1.8 \sim 47 \text{ cfm} \]

The WTS is a Twin Shaft Batch Mixer with two parallel drums each with counter-rotating shafts that are equipped with paddles fixed at a pre-determined angle.

\[ Q = 4.2 \sim 127 \text{ cu ft} \]

WETMIX™V05 is a continuous modular building site mixer for dry premixed mortar which can be easily handled by one person only. The mixer is gravity flood-fed by a silo or hopper. Instead of a tubular carbon steel casing, with this model, the SINT™ engineering polymer mixing chamber is externally supported by four carbon steel bars which makes the complete mixer lighter and easier to handle.

1.4 – 2.1 – 3.5 cfm / High degree of self-cleaning