New AARON
PROCESS EQUIPMENT COMPANY

ph: 630-350-2200 | fx: 630-350-9047
sales@aaronprocess.com

# Custom and Standard Industrial Mixers for Powders, Solids and Difficult, Viscous, Non-Flowing Materials




www.aaronprocess.com

New AARON®
PROCESS EQUIPMENT COMPANY

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After decades of repairing, refurbishing and rebuilding mixers produced by leading OEMs in the U.S. and Europe, we determined the strengths and weaknesses of many of the mixer designs.

It was from this accumulated experience that the **AARON PROCESS EQUIPMENT COMPANY** was launched with a very simple mission:

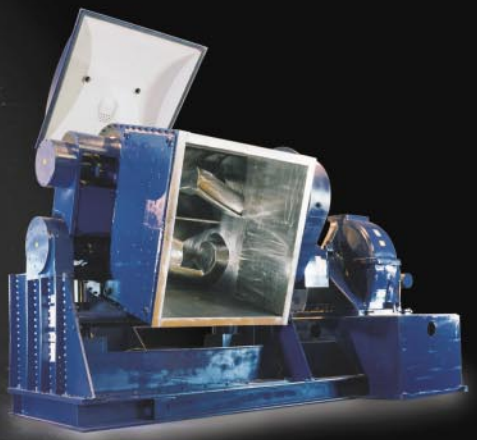
to build the best, most rugged and most dependable, engineered mixers in the world period!

Since then, we have refined our mission to emphasize **service** & **commitment** and we have included state-of-the-art electronic controls.

Today, we still offer the industry's best value mixers—proven for the most difficult and challenging materials. Aaron Process Equipment Company is recognized for designing and manufacturing the most advanced line of quality mixing and blending machinery in the Industry. Aaron Process offers a complete line of Sigma Blade Mixers, Mixer Extruders, Food Grade Stainless Steel Batch Mixers, Plow Mixers, FDA approved Sanitary Ribbon Blenders, Planetary Mixers, and Laboratory style mixers. All of our mixers are available in many sizes and come with standard design features and custom options.

**You should also know that:**

- **Aaron Process maintains a large inventory of replacement parts to assure immediate delivery if needed.**
- **Our shop has total capabilities to rebuild or remanufacture any mixers you have.**
- **We accept trade-ins toward your purchase of Aaron Process Mixing Equipment.**



Aaron Process mixers are designed for mixing, blending and kneading medium to high-density solids materials. We can even handle mixing your most difficult, sticky, tacky, viscous products. We know, because we've been doing it for more than 50 years.

Member of PEMA®
Process Equipment Manufacturers' Association

## Our mixers are used to manufacture:

- Adhesives
- Batteries
- Biological Products
- Building Materials
- Catalysts
- Caulks
- Cellulose
- Ceramics
- Clay
- Composites
- Compounds
- Confections
- Explosives
- Fiberglass
- Flooring
- Food Stuffs
- Graphite
- Gums
- Inks
- Joint Compounds
- Lacquers
- Natural Rubbers
- Nutraceuticals
- Paint & Coatings
- Pastes
- Pigments
- Plastics
- Plastic Lumber
- Polyesters
- Powders
- Puttys
- Resins
- Roofing
- Rubber Products
- Sand
- Sealants
- Silicones
- Silicone Rubber
- Soaps
- Toothpaste
- Vinyl Materials
- Vitamins
- Wood
- Wood Composites

**Choose from two classes of mixers...**

# Heavy Duty or Extra Heavy Duty.

# Batch Mixer With Hydraulic Tilt

## MCG

This standard height Double Arm Mixer with rugged hydraulic tilt for discharge was the first of Aaron's mixer line. Engineered to incorporate the best features used in the industry, it offers unsurpassed performance—the advantages of proven features, the widest selection of options available, and the technical knowledge that comes from decades of experience.

- Standard ASME jackets for heating (or cooling).
- Capable of vacuum operation coincident with mixing or drying with optional cover kit.
- Also available in 10 gallon and 50 gallon pilot capacities.

| Model MCG100 | |
|---|---|
| Total Capacity | 200 Gallons / 757 Liters |
| Mixing Capacity | 100 Gallons / 378 Liters |
| Blade Motor | 60–100 HP (45–75 KW) |
| Power Pack | 7.5 HP (5.6 KW) |
| Blade Speed | 44 RPM (Front) / 25 RPM (Rear) |
| Tilt Angle | 102º |

| Model MCG150 | |
|---|---|
| Total Capacity | 340 Gallons / 1287 Liters |
| Mixing Capacity | 150 Gallons / 568 Liters |
| Blade Motor | 75–125 HP (56–93 KW) |
| Power Pack | 7.5 HP (5.6 KW) |
| Blade Speed | 44 RPM (Front) / 25 RPM (Rear) |
| Tilt Angle | 107º |

| Model MCG200 | |
|---|---|
| Total Capacity | 390 Gallons / 1476 Liters |
| Mixing Capacity | 200 Gallons / 758 Liters |
| Blade Motor | 150–250 HP (112–189 KW) |
| Power Pack | 7.5 HP (5.6 KW) |
| Blade Speed | 44 RPM (Front) / 25 RPM (Rear) |
| Tilt Angle | 107º |

| Model MCG300 | |
|---|---|
| Total Capacity | 450 Gallons / 1703 Liters |
| Mixing Capacity | 300 Gallons / 1135 Liters |
| Blade Motor | 150–250 HP (112–189 KW) |
| Power Pack | 10 HP (7.5 KW) |
| Blade Speed | 30 RPM (Front) / 17 RPM (Rear) |
| Tilt Angle | 102º |

| Model MCG400 | |
|---|---|
| Total Capacity | 670 Gallons / 2536 Liters |
| Mixing Capacity | 400 Gallons / 1515 Liters |
| Blade Motor | 150–250 HP (112–189 KW) |
| Power Pack | 10 HP (7.5 KW) |
| Blade Speed | 30 RPM (Front) / 17 RPM (Rear) |
| Tilt Angle | 102º |

| Model MCG500 | |
|---|---|
| Total Capacity | 820 Gallons / 3104 Liters |
| Mixing Capacity | 500 Gallons / 1893 Liters |
| Blade Motor | 200–300 HP (150–224 KW) |
| Power Pack | 10 HP (7.5 KW) |
| Blade Speed | 30 RPM (Front) / 17 RPM (Rear) |
| Tilt Angle | 102º |

| Model MCG600 | |
|---|---|
| Total Capacity | 1250 Gallons / 4731 Liters |
| Mixing Capacity | 600 Gallons / 2271 Liters |
| Blade Motor | 250–400 HP (189–298 KW) |
| Power Pack | 15 HP (11 KW) |
| Blade Speed | 28 RPM (Front) / 16 RPM (Rear) |
| Tilt Angle | 107º |

| Model MCG900 | |
|---|---|
| Total Capacity | 1780 Gallons / 6738 Liters |
| Mixing Capacity | 900 Gallons / 3407 Liters |
| Blade Motor | 250–400 HP (189–298 KW) |
| Power Pack | 15 HP (11 KW) |
| Blade Speed | 28 RPM (Front) / 16 RPM (Rear) |
| Tilt Angle | 107º |

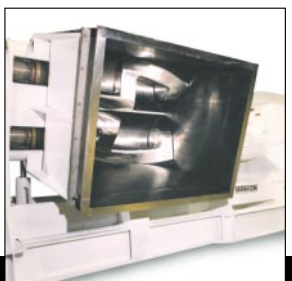
**Also Available in 10 and 50 Gallon Capacity**

600 Gallon with Vacuum Cover

50 Gallon, Unitized with Cover

50 Gallon with Hydraulic Ram Cover

Large Capacity Mixers





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# Batch Mixer Bottom Dump

New AARON PROCESS EQUIPMENT COMPANY


## MBG

Our most economical unit is a true workhorse which combines all the basic advantages from our line of double arm mixers. A wide variety of applications are able to take advantage of our bottom discharge arrangement.

- Suitable for mixing and drying of heat-sensitive materials that undergo phase changes during processing, such as liquids, plastics, and powders.
- Flush bottom doors for complete mixing action.
- Lower maintenance costs result from the absence of connecting gears and additional room is provided to access the gland and packing areas outboard of the mixing shafts.

| Model MBG150 | |
|---|---|
| Total Capacity | 340 Gallons / 1287 Liters |
| Mixing Capacity | 150 Gallons / 568 Liters |
| Blade Motor | 75–125 HP (56–93 KW) |
| Power Pack | 7.5 HP (5.6 KW) |
| Blade Speed | 44 RPM (Front) / 25 RPM (Rear) |
| Tilt Angle | 107º |

| Model MBG200 | |
|---|---|
| Total Capacity | 390 Gallons / 1476 Liters |
| Mixing Capacity | 200 Gallons / 758 Liters |
| Blade Motor | 150–250 HP (112–189 KW) |
| Power Pack | 7.5 HP (5.6 KW) |
| Blade Speed | 44 RPM (Front) / 25 RPM (Rear) |
| Tilt Angle | 107º |

| Model MBG300 | |
|---|---|
| Total Capacity | 450 Gallons / 1703 Liters |
| Mixing Capacity | 300 Gallons / 1135 Liters |
| Blade Motor | 150–250 HP (112–189 KW) |
| Power Pack | 10 HP (7.5 KW) |
| Blade Speed | 30 RPM (Front) / 17 RPM (Rear) |
| Tilt Angle | 102º |

| Model MBG400 | |
|---|---|
| Total Capacity | 670 Gallons / 2536 Liters |
| Mixing Capacity | 400 Gallons / 1515 Liters |
| Blade Motor | 150–250 HP (112–189 KW) |
| Power Pack | 10 HP (7.5 KW) |
| Blade Speed | 30 RPM (Front) / 17 RPM (Rear) |
| Tilt Angle | 102º |

| Model MBG500 | |
|---|---|
| Total Capacity | 820 Gallons / 3104 Liters |
| Mixing Capacity | 500 Gallons / 1893 Liters |
| Blade Motor | 200–300 HP (150–224 KW) |
| Power Pack | 10 HP (7.5 KW) |
| Blade Speed | 30 RPM (Front) / 17 RPM (Rear) |
| Tilt Angle | 102º |

| Model MBG600 | |
|---|---|
| Total Capacity | 1250 Gallons / 4731 Liters |
| Mixing Capacity | 600 Gallons / 2271 Liters |
| Blade Motor | 250–400 HP (189–298 KW) |
| Power Pack | 15 HP (11 KW) |
| Blade Speed | 28 RPM (Front) / 16 RPM (Rear) |
| Tilt Angle | 107º |

| Model MBG900 | |
|---|---|
| Total Capacity | 1780 Gallons / 6738 Liters |
| Mixing Capacity | 900 Gallons / 3407 Liters |
| Blade Motor | 250–400 HP (189–298 KW) |
| Power Pack | 15 HP (11 KW) |
| Blade Speed | 28 RPM (Front) / 16 RPM (Rear) |
| Tilt Angle | 107º |

400 Gallon Bottom Dump with Hydraulic Flush Bottom Doors and TriMax™ Gearbox

Exclusive "MXT" Gearbox

Control Panel for Operation of Hydraulic Doors

TriMax™ Gearbox



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# Batch Mixer Low-Boy™ Design

New AARON PROCESS EQUIPMENT COMPANY


## WCG

Aaron's unique Low-Boy™ Design represents a true breakthrough in the engineering of equipment for processing large batches in the most compact equipment available. The ultra-clean design minimizes both floor space and head room required.

- Unitized Design allows installation in areas unable to accommodate standard mixers.
- Less need for structural supporting platforms.
- Can be furnished with belt drive (up to 250 hp) or with direct connected motor and gearbox arrangement.
- Still allows ample room to access gland area and perform maintenance of shaft packing.

**Ask about optional features to meet your requirements.**

| Model WCG300 | |
|---|---|
| Total Capacity | 450 Gallons / 1703 Liters |
| Mixing Capacity | 300 Gallons / 1135 Liters |
| Blade Motor | 150–250 HP (112–189 KW) |
| Power Pack | 10 HP (7.5 KW) |
| Blade Speed | 30 RPM (Front) / 17 RPM (Rear) |
| Tilt Angle | 102º |

| Model WCG400 | |
|---|---|
| Total Capacity | 670 Gallons / 2536 Liters |
| Mixing Capacity | 400 Gallons / 1515 Liters |
| Blade Motor | 150–250 HP (112–189 KW) |
| Power Pack | 10 HP (7.5 KW) |
| Blade Speed | 30 RPM (Front) / 17 RPM (Rear) |
| Tilt Angle | 102º |

| Model WCG500 | |
|---|---|
| Total Capacity | 820 Gallons / 3104 Liters |
| Mixing Capacity | 500 Gallons / 1893 Liters |
| Blade Motor | 200–300 HP (150–224 KW) |
| Power Pack | 10 HP (7.5 KW) |
| Blade Speed | 30 RPM (Front) / 17 RPM (Rear) |
| Tilt Angle | 102º |

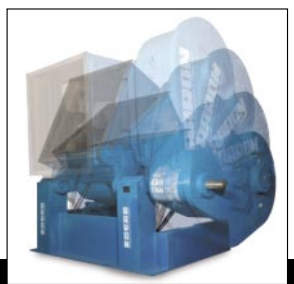
| Model WCG600 | |
|---|---|
| Total Capacity | 1250 Gallons / 4731 Liters |
| Mixing Capacity | 600 Gallons / 2271 Liters |
| Blade Motor | 250–400 HP (189–298 KW) |
| Power Pack | 15 HP (11 KW) |
| Blade Speed | 28 RPM (Front) / 16 RPM (Rear) |
| Tilt Angle | 107º |


500 Gallon Low-Boy™ Double Arm Mixer


Twin Hydraulic Tilt Cylinders

Heavy Duty Sigma Blades

Range of motion of the NEW 500 Gallon Low-Boy™ Double Arm Mixer





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# Mixer Extruder With Standard Drive

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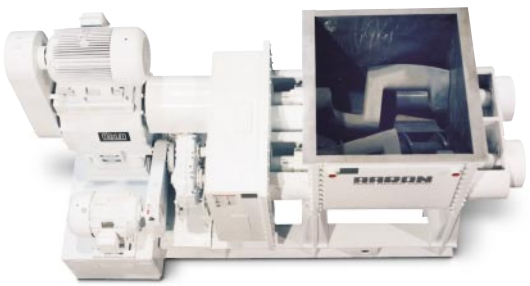


## MXG

The Aaron Process Mixer Extruder is designed to offer the advantages of a screw discharge for the more difficult, non-flowing materials that are encountered in the chemical, food, drug, plastics, and rubber industries. The screw "extruding" discharge arrangement offers improved ease of discharge compared to traditional tilt or bottom discharge arrangements.

- "Mixtruder" discharge arrangement is engineered to overcome any clogging or obstruction.
- Extrusion/discharge rates will depend on product processed and any die configuration utilized at the end of the extruder barrel.
- Also available in Pilot Size units.

**Ask about optional features to meet your requirements.**

| Model MXG150 | |
|---|---|
| Total Capacity | 240 Gallons / 908 Liters |
| Mixing Capacity | 150 Gallons / 568 Liters |
| Blade Motor | 50–100 HP (37–75 KW) |
| Screw Motor | 30–50 HP (25–37 KW) |
| Blade Speed | 44 RPM (Front) / 25 RPM (Rear) |
| Screw Speed | 60 RPM (Bi-Rotational) |

| Model MXG200 | |
|---|---|
| Total Capacity | 300 Gallons / 1135 Liters |
| Mixing Capacity | 200 Gallons / 758 Liters |
| Blade Motor | 75–125 HP (56–93 KW) |
| Screw Motor | 30–50 HP (25–37 KW) |
| Blade Speed | 44 RPM (Front) / 25 RPM (Rear) |
| Screw Speed | 60 RPM (Bi-Rotational) |

| Model MXG300 | |
|---|---|
| Total Capacity | 450 Gallons / 1703 Liters |
| Mixing Capacity | 300 Gallons / 1135 Liters |
| Blade Motor | 150–250 HP (112–189 KW) |
| Screw Motor | 50–100 HP (37–75 KW) |
| Blade Speed | 30 RPM (Front) / 17 RPM (Rear) |
| Screw Speed | 60 RPM (Bi-Rotational) |

| Model MXG400 | |
|---|---|
| Total Capacity | 670 Gallons / 2536 Liters |
| Mixing Capacity | 400 Gallons / 1515 Liters |
| Blade Motor | 150–250 HP (112–189 KW) |
| Screw Motor | 50–100 HP (37–75 KW) |
| Blade Speed | 30 RPM (Front) / 17 RPM (Rear) |
| Screw Speed | 60 RPM (Bi-Rotational) |

| Model MXG500 | |
|---|---|
| Total Capacity | 820 Gallons / 3104 Liters |
| Mixing Capacity | 500 Gallons / 1893 Liters |
| Blade Motor | 200–300 HP (150–224 KW) |
| Screw Motor | 75–125 HP (56–93 KW) |
| Blade Speed | 30 RPM (Front) / 17 RPM (Rear) |
| Screw Speed | 60 RPM (Bi-Rotational) |

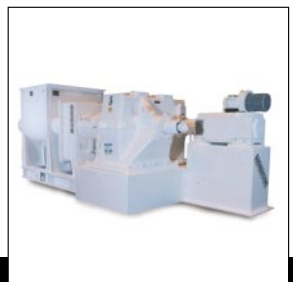
| Model MXG900 | |
|---|---|
| Total Capacity | 1780 Gallons / 6738 Liters |
| Mixing Capacity | 900 Gallons / 3407 Liters |
| Blade Motor | 250–400 HP (189–298 KW) |
| Screw Motor | 100–150 HP (75–112 KW) |
| Blade Speed | 28 RPM (Front) / 16 RPM (Rear) |
| Screw Speed | 60 RPM (Bi-Rotational) |

Mixer Extruder with Non-Cored Blades

Unitized Construction

Mixer Extruder with AC Drives on Blades and Screw

Variable Drive Options





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# Mixer Extruder With New TriMax™ Gearbox

New AARON PROCESS EQUIPMENT COMPANY

## MXT

This Aaron Process Mixer Extruder comes with the proven advantages of the screw discharge arrangement and also offers the benefits of the TriMax™ Gearbox and its Triple Output Shaft design.

- Lower maintenance costs result from the absence of connecting gears and additional room is provided to access the gland and packing areas outboard of the mixing shafts.
- Elimination of the connecting gear case reduces floor space requirements.
- Unitized construction eases installation costs.
- Capable of mixing materials with viscosities in excess of 10,000,000 centipoise!

**Ask about optional features to meet your requirements.**

| Model MXT150 | |
|---|---|
| Total Capacity | 240 Gallons / 908 Liters |
| Mixing Capacity | 150 Gallons / 588 Liters |
| Blade Motor | 75–125 HP (56–93 KW) |
| Screw Motor | 30–50 HP (25–37 KW) |
| Blade Speed | 44 RPM (Front) / 25 RPM (Rear) |
| Screw Speed | 60 RPM (Bi-Rotational) |

| Model MXT200 | |
|---|---|
| Total Capacity | 300 Gallons / 1135 Liters |
| Mixing Capacity | 200 Gallons / 758 Liters |
| Blade Motor | 75–125 HP (56–93 KW) |
| Screw Motor | 30–50 HP (25–37 KW) |
| Blade Speed | 44 RPM (Front) / 25 RPM (Rear) |
| Screw Speed | 60 RPM (Bi-Rotational) |

| Model MXT300 | |
|---|---|
| Total Capacity | 450 Gallons / 1703 Liters |
| Mixing Capacity | 300 Gallons / 1135 Liters |
| Blade Motor | 150–250 HP (112–189 KW) |
| Screw Motor | 50–125 HP (37–93 KW) |
| Blade Speed | 30 RPM (Front) / 19 RPM (Rear) |
| Screw Speed | 60 RPM (Bi-Rotational) |

| Model MXT400 | |
|---|---|
| Total Capacity | 670 Gallons / 2536 Liters |
| Mixing Capacity | 400 Gallons / 1515 Liters |
| Blade Motor | 150–250 HP (112–189 KW) |
| Screw Motor | 75–125 HP (56–93 KW) |
| Blade Speed | 30 RPM (Front) / 19 RPM (Rear) |
| Screw Speed | 60 RPM (Bi-Rotational) |

| Model MXT500 | |
|---|---|
| Total Capacity | 820 Gallons / 3104 Liters |
| Mixing Capacity | 500 Gallons / 1893 Liters |
| Blade Motor | 200–300 HP (150–224 KW) |
| Screw Motor | 75–125 HP (56–93 KW) |
| Blade Speed | 30 RPM (Front) / 19 RPM (Rear) |
| Screw Speed | 60 RPM (Bi-Rotational) |

| Model MXT900 | |
|---|---|
| Total Capacity | 1780 Gallons / 6738 Liters |
| Mixing Capacity | 900 Gallons / 3407 Liters |
| Blade Motor | 300–500 HP (224–373 KW) |
| Screw Motor | 100–150 HP (75–112 KW) |
| Blade Speed | 28 RPM (Front) / 17 RPM (Rear) |
| Screw Speed | 60 RPM (Bi-Rotational) |

300 Gallon Mixer Extruder with TriMax™ Gearbox

Blades and Screw with Product Deflector

300 Gallon Mixer Extruder with TriMax™ Gearbox

TriMax™ Gearbox



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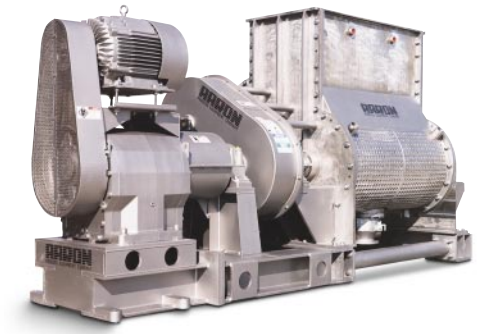
# Batch Mixer
# Split Level Design



## ZBG

Aaron's Split Level 750 Gallon design has approximately 50% more effective mixing and heat transfer area as compared to conventional designs. A thorough mixing action is assured by the shape of the bowl and the close tolerance between the mixing blades and the bowl. Because one blade arm is positioned offset and above the other, only one discharge outlet is required.

| Model ZBG-750 Bottom Discharge | |
|---|---|
| Total Capacity | 1100 Gallons / 4175 Liters |
| Mixing Capacity | 750 Gallons / 2840 Liters |
| Drive | Available in belt drive and direct coupled drives up to 300 horsepower. Other options available are hydraulic powered. |
| Blade Speed | 35 RPM (Front) / 38 RPM (Rear) |
| Discharge | 12" Flanged Outlet |
| Seals | Standard Packing Glands |
| Blades | Sigma Design |
| Construction | T304 S/S Material Standard. Other material of construction available. |

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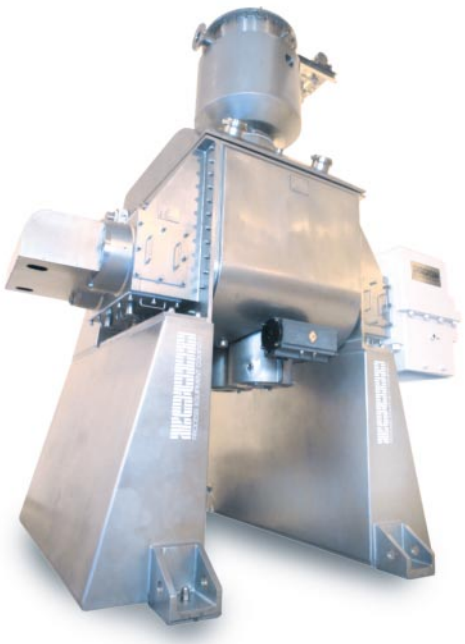
# Batch Mixer
# Food Grade S/S Design



Aaron Double Arm Mixers can be designed for sanitary applications with all stainless construction, high polish, USDA approved components, wash down controls and can be engineered and tailored to a specific set of requirements.

**Ask about optional features to meet your requirements.**

750 Gallon Split Level Design

Sigma Blades Mounted One Above–One Below

Jacketed Bowl, Heated Discharge Valves

Cored Blades and Vacuum Encapsulated Seal Covers



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# Lab and Pilot Scale Equipment

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## LNG

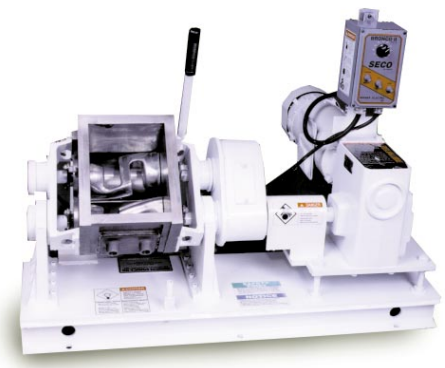
Aaron's Lab Batch Mixer is furnished in three sizes with a manual hand tilt for discharge. Different mixer blades are interchangeable for studying results provided by different blade configurations. Variable speed drive arrangements are standard.

**Ask about our Rental Program for your testing or R&D needs.**

**We can help with your scale-up issues.**

| Model LNG .25 (.25 Gallon) | |
|---|---|
| Total Capacity | .5 Gallon / 2 Liters |
| Mixing Capacity | .25 Gallon / 1 Liter |
| Drive | .75 HP (1KW) Direct Drive Gearmotor |
| Blade Speed | 0-70 RPM (Front) / 0-40 RPM (Rear) |
| Discharge | Manual tilt over front bearing journal |
| Jacket | Suitable for steam, water or hot oil operation |
| Seals | Standard Packing Glands |
| Controls | 1PH / 115 volts / AC controller with run / jog, start / stop, forward / reverse and variable speed control adjustment, 90 volt DC motor. |
| Chamber | Suitable for full vacuum operation |
| Blades | Available in Sigma or Dispersion style |

| Model LNG 1 (One Gallon) | |
|---|---|
| Total Capacity | 2.3 Gallons / 8.7 Liters |
| Mixing Capacity | 1 Gallon / 3.7 Liters |
| Drive | 2 HP (2.7 KW) Direct Drive Gearmotor |
| Blade Speed | 0-70 RPM (Front) / 0-40 RPM (Rear) |
| Discharge | Manual tilt over front bearing journal |
| Jacket | Suitable for steam, water or hot oil operation |
| Seals | Standard Packing Glands |
| Controls | 1PH / 115-230 volts / AC controller with run / jog, start / stop, forward / reverse and variable speed control adjustment, 180 volt DC motor. |
| Chamber | Suitable for full vacuum operation |
| Blades | Available in Sigma or Dispersion style |



| Model LNG 2 (Two Gallon) | |
|---|---|
| Total Capacity | 3.75 Gallons / 14 Liters |
| Mixing Capacity | 2 Gallons / 7.5 Liters |
| Drive | 2 HP (2.7 KW) Direct Drive Gearmotor |
| Blade Speed | 0-70 RPM (Front) / 0-40 RPM (Rear) |
| Discharge | Manual tilt over front bearing journal |
| Jacket | Suitable for steam, water or hot oil operation |
| Seals | Standard Packing Glands |
| Controls | 1PH / 115-230 volts / AC controller with run / jog, start / stop, forward / reverse and variable speed control adjustment, 180 volt DC motor. |
| Chamber | Suitable for full vacuum operation |
| Blades | Available in Sigma or Dispersion style |



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# Blade Selection



Blades are available in different styles. The appropriate selection is determined from the flow characteristics and physical consistencies of the materials to be processed.

Blades can be optionally constructed with cored interiors for cooling or heating.

**Blades are constructed from cast steel, cast stainless steel, or other alloys.**

**Dispersion Blades**

Provides a smooth folding action and is excellent for mixing a fiber reinforced product. Available in 135 degree or 180 degree spiral.

**Sigma Blades**

The most widely used blade for the process industry.

**Masticator Blades**

Used for a superior dispersion of difficult products such as rubber, plastics or abrasive materials.

**Naben Blades**

Also known as the Fishtail Blade. Suitable for mixing cellulose materials.

## Blade Arrangement

The blades can be arranged tangentially (with optional rotation ratio) or overlapping (1:1 rotation ratio).

Tangential

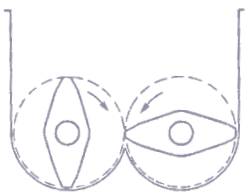

Figure 1

Overlapping

Figure 2

**Figure 1:** Illustrates the tangential style. The paths of the blades do not cross, therefore, the speed of each blade can be randomly set. This arrangement is often used when super-high-viscosity materials are mixed.

**Figure 2:** Illustrates the overlapping style. The path of the two blades cross, therefore, the blades are arranged so that they do not touch each other and the rotation ratio is 1:1. This arrangement is primarily used for mixing or processing of medium- to high-viscosity materials.



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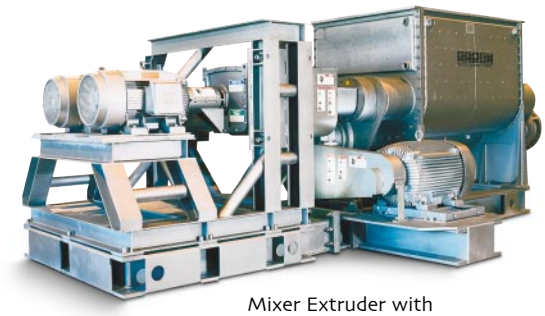
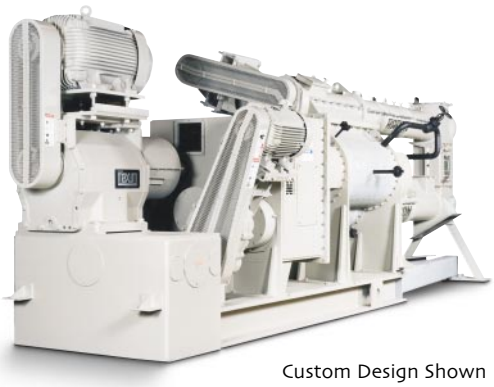
# Custom Designs & Control Systems

The Mixer Extruder, Standard Hydraulic Tilt, Low-Boy™ and Bottom Dump models can be furnished with hydraulic motors mounted directly to each mixer shaft. This extraordinary flexible design enables you to alter each blade speed independently and adapt to batch viscosity at different stages of your process cycle. This allows for progressive speed increase during start-up under full load, as well as blade reversal for aiding discharge.

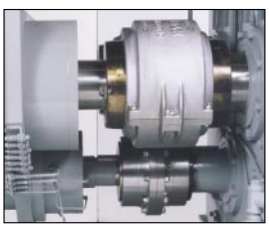


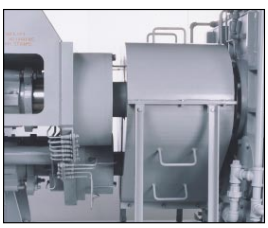
Mixer Extruder with independent Blade and Screw Drives

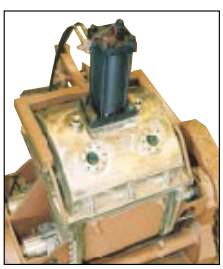
Aaron Process makes sure that all rotating components on their equipment are well guarded to ensure operator safety.



Custom Design Shown with AC Motors







Floating Ram keeps material within the mixing zone.

**Custom Control Panels**
Electronic controls are tailored to meet your requirements.



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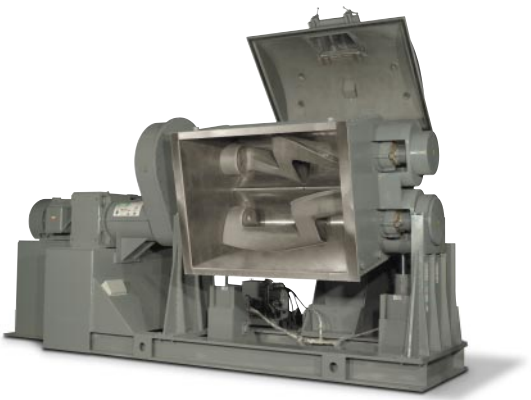
# Reconditioning Services

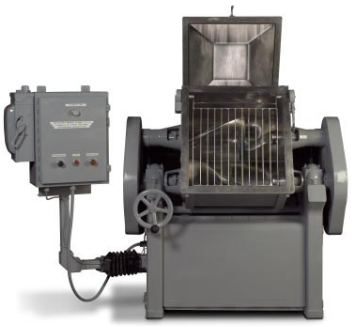
New AARON PROCESS EQUIPMENT COMPANY

Let Aaron Process Equipment Company rebuild your existing double arm mixing equipment. Rebuilding your current mixers can save you money and increase your return on investment. Old, worn out machinery can inflate your operating cost thru additional maintenance and repair…not to mention utility costs.

Aaron Process Equipment Company takes pride in manufacturing NEW, quality mixing equipment for many different industries and applies these standards when rebuilding existing equipment from your plant. We offer different degrees of repair: from replacing worn out bearings, seals & shafts to complete equipment reconditioning.

With more than 50 years of experience, the experts at Aaron Process can help assist with the evaluation of your mixing needs, rebuilding or remanufacturing of an existing mixer, trade-in for a new mixer or your next purchase of a new or newly remanufactured double arm mixer, ribbon blender or plow mixer.





**Aaron can rebuild virtually any make or model double arm mixer. Mixer manufacturers include:**

| | |
|---|---|
| **Baker Perkins** | **Littleford Day (J.H. Day)** |
| **AMK** | **Werner & Pfleiderer** |
| **Readco** | **Paul O. Abbé** |
| **Jaygo** | **Guittard** |
| **Aoustin** | **Winkworth** |
| **Linden** | **Fritz Meili** |
| **Bramley** | **Moriyama** |

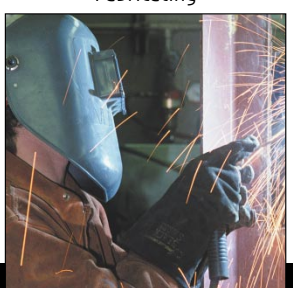


Polishing

Machining

Turning

Fabricating





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# Double Arm Mixer Replacement Parts

New AARON PROCESS EQUIPMENT COMPANY

Aaron Process Equipment Company carries complete spare parts and replacement parts in stock for all of our mixing and blending machinery.

For special requirements, send us your drawings or describe your needs and we can quote you on engineering new replacement parts.

Aaron Process is one of the industry's leading OEMs of Mixing, Blending and Drying processing machinery with very competitive pricing and a support staff ready to take your parts order!

Contact our Parts Department for more information on our spare parts and equipment reconditioning services.

**630-350-2200**

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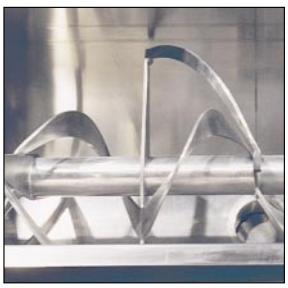
# Ribbon Blenders

Sanitary Finishes

Diamond Support Posts



## IMB

AARON PROCESS has developed a new T304SS Ribbon Blender that offers the value demanded for today's mixing requirements.

The versatility of the Standard Aaron Process Ribbon Blenders is valued by many industries including Chemical, Food, Plastics, Spices, Flavorings, Cosmetics, Nutraceuticals, and other specialty applications.

The New Standard Aaron Process T304SS Ribbon Blenders are offered with a "double" ribbon design and high polish on all product contact surfaces. Designed to be a workhorse for materials with density up to 75 lbs per cubic foot or more, they include:

- Stainless Steel Split Packing Glands
- Split Two-Piece Cover and Safety Grate
- Center Discharge—Manual or Pneumatic
- TEFC Gearmotor with Chain Drive
- Can be Integrated with Material Handling Systems.

## NR

For more demanding applications, Aaron Process has a Heavy-Duty line of Ribbon Blenders.

Also available in T304SS and with high polish, these Ribbon Blenders are reinforced with external stiffeners and driven by higher horsepower using a shaft-mounted drive arrangement suited for heavier materials.

Units can be configured for center or end discharge with options among a variety of manual or pneumatically controlled discharge arrangements and valves.

- Available with Double Ribbons, Split Ribbons or Paddles.
- Optional Jacket for Heating or Cooling.



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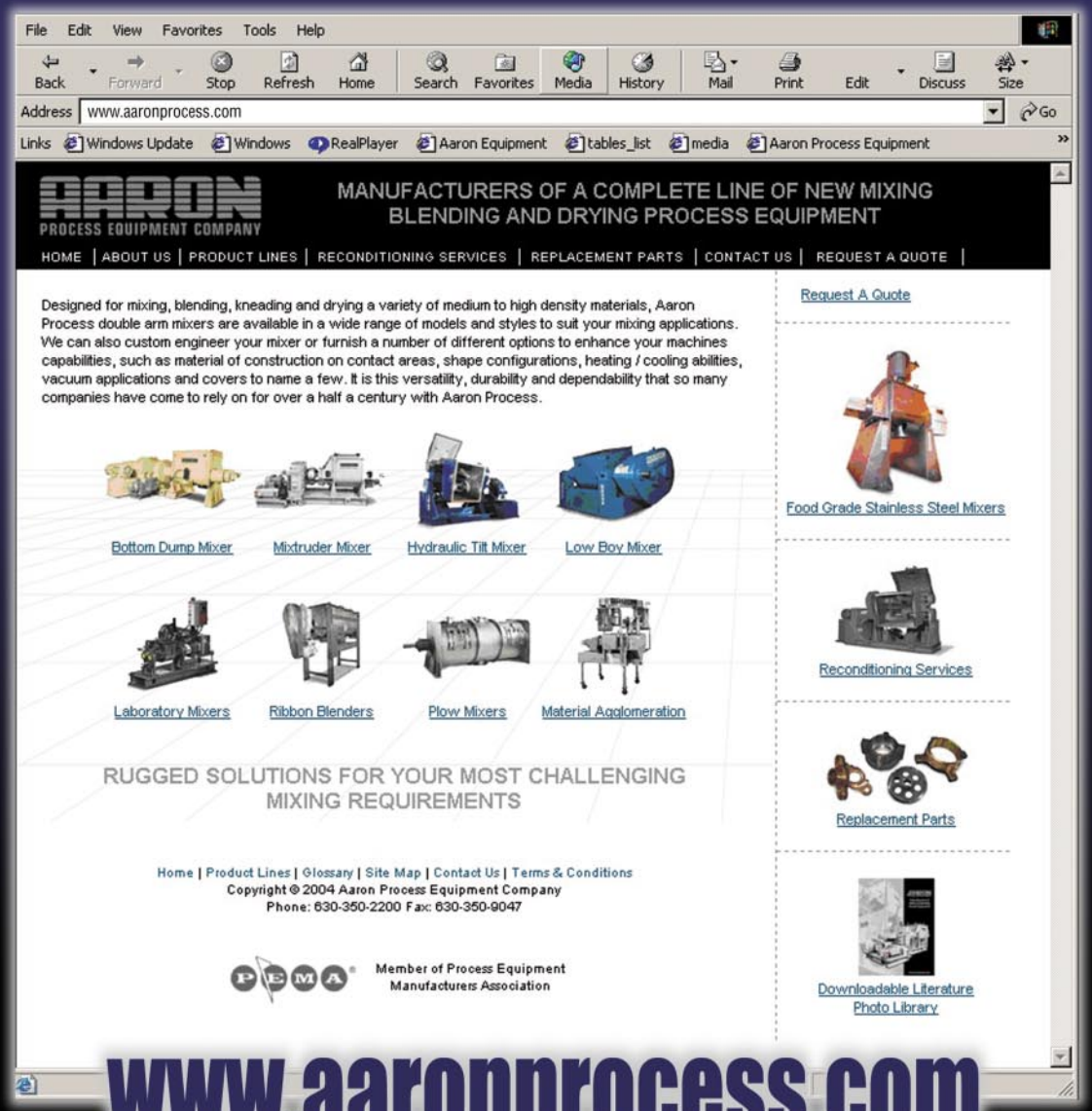


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