

adhesives

ceramics

chemicals

coatings

cosmetics

fine chemicals

foods

inks

pharmaceuticals

plastics



## ***Double Planetary and Multi-Shaft Mixers***

***Wet and Dry Mixing,  
Blending, & Dispersion***



***Today's Processing Equipment...  
Designed & Built To Be The Best!***

# Double Planetary and Multi-Shaft Mixers

## Wet and Dry Mixing, Blending, & Dispersion

Jaygo's new Double Planetary Mixers and Multi-Shaft Mixers are robust, heavy-duty mixing machines designed for the production of a multitude of products. Through the guidance of Jaygo's sales team, customers can select equipment from a variety of agitator shapes and sizes designed to emulsify, disperse, and mix all types of products. Free flowing or wet powders can also be mixed, granulated, and dried utilizing various blade options. Typical product viscosities range from 1 cps to approximately 2,000,000 centipoises.

Jaygo Double Planetary and Multi-Shaft Mixers offer process flexibility, user friendliness, and easy to clean / maintain designs. Sizes from 1 to 1500 liters working capacity are typical, with larger batch sizes available on request.

### Some options include:

- Carbon Steel, Stainless Steel, Coated, Other Materials
- Double Jacket for Process Heating or Cooling
- Internal Vacuum or Pressure
- Flush-Bottom Plug Valve or Flush-Bottom Ball Valve
- Various Blade Designs -  
Rectangular, 1/4 Twist, Vertical, Butterfly, Saw-Tooth
- Blades Easily Removable
- Shaft Seal Designs to Meet Product Requirements
- Flush Mounted Temperature Probes
- Fixed or Variable Speed Blades
- Electric or Hydraulic Blades Drives
- Top Head Designs to Meet Customer Requirements -  
Fixed-In-Place or Lifiable
- Machine Control Designs - Manual or Automated

### Products typically mixed include:

- |                               |                           |                            |
|-------------------------------|---------------------------|----------------------------|
| • Window Sealants             | • Ceramic Pastes          | • Grinding Wheel Compounds |
| • Cosmetic Creams             | • Polyurethanes           | • Dental Compounds         |
| • Hot Melt Adhesives          | • Mascara                 | • Explosives               |
| • Silicone Rubbers            | • Battery Paste           | • Conductive Inks          |
| • Pharmaceutical Granulations | • Roofing Sealants        | • Food Coatings            |
| • Munitions                   | • Pyrotechnics            | • Toothpaste               |
| • Construction Caulks         | • Metal Powders           | • Solder Pastes            |
| • Offset Printing Inks        | • Medical Patch Adhesives | • Granulations             |
| • Lotions                     | • Carbon Pastes           | • Castable Inhibitors      |
| • Plastisols                  | • Printing Inks           | • Gelatin                  |
| • Epoxy Resins                | • Viscous Greases         | • Acrylics                 |
|                               | • Health Care Ointments   |                            |



**50 Liter Double Planetary Mixer**  
supplied for the manufacture of  
Conductive Epoxies



**10 Liter Double Planetary Mixer with  
Discharge Press mounted on common  
base supplied for the manufacture of  
Medical-Grade Silicones**



**50 Liter Double Planetary Mixer**  
supplied for the manufacture  
of Ceramic Pastes

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**20 Liter Planetary Mixer with High  
Speed Dispenser** supplied for the  
manufacture of Munitions

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**100 Liter Triple Shaft Mixer** supplied  
for the manufacture of Cosmetic  
Creams and Lotions

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**PROCESS EQUIPMENT FOR THE CHEMICAL, FOOD,  
COSMETIC, AND PHARMACEUTICAL INDUSTRIES**

# Discharge Presses

Jaygo Discharge Presses are designed to press mixed product from Planetary and Multi-Shaft mix bowls into drums, pails, cartridges, etc... or into secondary mix vessels for further processing.

Benefits of Jaygo Discharge Presses:

- "Hands-free" discharge and transfer of mixed material
- Various controls including hand or foot-operated valves
- Volumetric or gravimetric proportioning systems are available where greater accuracy or automation is desired
- Operator contact is greatly reduced, enhancing safety and reducing the risk of contamination
- Save time and reduce production costs

## Rebuild & Refurbish Services

Jaygo specializes in repairing, refurbishing, and rebuilding Double Planetary and Multi-Shaft Mixers from Jaygo and its competitors.

- All rebuilt and refurbished equipment is completely dismantled, cleaned, sand-blasted, and inspected
- Where necessary parts are built-up with weld, machined, ground, and polished. All bearings, seals, o-rings, gaskets, grease, oil, wiring, switches, instruments, and belts are replaced
- Parts are re-assembled, primed, painted, and run-tested prior to return or sale



**Discharge Press for 100 Liter Planetary Mix Bowl**

**Discharge Press for 20 Liter Planetary Mix Bowl in Explosion Proof Construction**



**Discharge Press for 10 Liter Planetary Mix Bowl**



**Jaygo is a major supplier of Mixers, Blenders, Dryers, Grinding Media, Pressure Vessel Clamps and Specialty Valves**

**Contact us at 1.888.81.JAYGO for additional technical information and detailed specification sheets.**



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