

**MIXING TECHNOLOGIES**

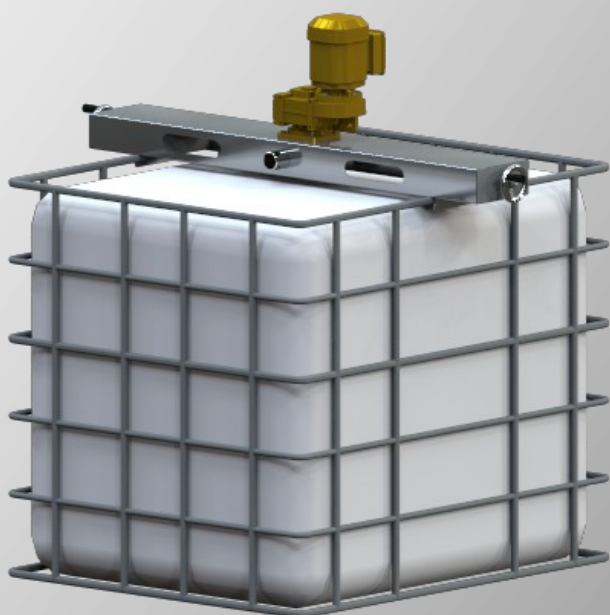
IBC's (intermediate batch containers) are commonly used to transport, store and mix chemicals. JM Engineering's range of IBC mixers allows agitation, heat transfer and flocculation to take place without the need to transfer products to a dedicated mixing vessel.

These stand-alone units simply and securely clamp to the IBC frame. The mounting plates are adjust to allow for variations in frame sizes.

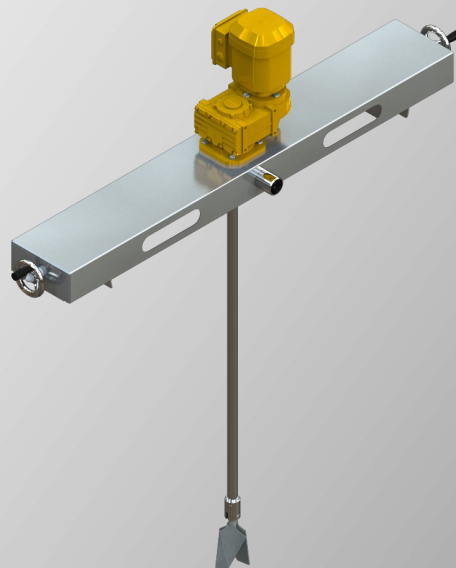
IBC mixers are usually paired with a hydrofoil impeller (A-Series or F-Series, depending on size). Alternate impellers are available for specialised applications.

### Standard Features

- Stainless steel 316 mounting bridge, shaft and impeller
- 3Ph, 415v, 50Hz Motor (0.25 ~ 1.5 kW)
- BSP filler connection
- Quick release screw clamps
- Hydrofoil impeller
- Enamel coating
- IP56 protection rating



**Above:** IBC mixers quickly and securely clamp to industry standard IBC frames. A filling nozzle means the mixer does not have to be removed to refill the IBC.



**Above:** IBC mixers are usually paired with a standard or folding hydrofoil impeller. This combination is ideal for agitation, heat transfer and flocculation.

### Options

- Exotic alloy shaft and impeller
- Motor to suit international power supply
- Flange, tri-clamp or plain pipe filler connection
- Turbine, radial flow or high shear impeller
- Epoxy coating
- Upgraded protection rating

Pipe Stand mixers are a stand-alone mixing solution for small vessels such as 200L drums.

These mixers are small and lightweight enough to move around the production area, yet built using tough materials and a robust design for reliable service in harsh industrial environments.

Pipe stand mixers are usually paired with an M-Series impeller. Alternate impellers are available for alternate or larger application.

### Standard Features

- Stainless steel shaft, impeller and stand
- 3Ph, 415v, 50Hz Motor
- Marine style axial flow impeller
- Enamel coating on carbon steel components



**Above:** Pipe stand mixer angle is set via an adjusting screw and may be tilted to allow drum removal.

### Options

- Exotic alloy construction
- Motor to suit international power supply
- Alternate style impeller
- Epoxy coating



**Above:** Pipe Stand mixers are ideal for agitation, heat transfer and flocculation in small vessels, such as 200L drums.

Clamped mixers are small, lightweight mixers for agitation, heat transfer and flocculation in small batch applications.

These units are usually clamped directly to the side of the mixing vessel or convenient structure and can be easily removed when not required.



**Above:** Clamped mixers are mounted on a versatile clamped base plate. This allows the unit to be clamped to the side of a tank or suitable structure.

### Standard Features

- Stainless steel shaft, impeller and stand
- 3Ph, 415v, 50Hz Motor
- Marine style axial flow impeller
- Enamel coating on carbon steel components

### Options

- Exotic alloy construction
- Motor to suit international power supply
- Alternate style impeller
- Epoxy coating



**Above:** Drum clamp mixers feature a locking mechanism specifically designed to fit standard 205L drum bungs. The quick release screw clamp makes removal quick and easy. A folding impeller allows the mixer to suit small diameter bungs.

Clamped mixers are small, lightweight mixers for agitation, heat transfer and flocculation in small batch applications.

These units are usually clamped directly to the side of the mixing vessel and can be easily removed when not required.



### Standard Features

- Stainless steel shaft, impeller and stand
- 3Ph, 415v, 50Hz Motor
- Marine style axial flow impeller
- Enamel coating on carbon steel components

**Above:** Base plate mixers are a small volume, top entry mixing solution. The base plate may be mounted directly to the mixing vessel, if suitable, or an overhead bridge.

### Options

- Exotic alloy construction
- Motor to suit international power supply
- Alternate style impeller
- Epoxy coating



**Above:** Base plate mixers feature a stainless steel mounting plate shaft and impeller, a chemical resistant polymer nosecone and tough 3-layer paint system.



Please complete as much of the form below as possible and return the completed form via email (sales@jmengineering.com.au) or fax (+612 9757 4138). A JM Engineering representative will contact you to discuss your process requirements.

**Contact Details**

Name \_\_\_\_\_

Company \_\_\_\_\_

Email \_\_\_\_\_

Phone: \_\_\_\_\_

City \_\_\_\_\_

Country: \_\_\_\_\_

**Fluid(s)**

Viscosity \_\_\_\_\_

Specific Gravity \_\_\_\_\_

Temperature \_\_\_\_\_

Flow Rate \_\_\_\_\_

**Process**

Agitation

Heat Transfer

Flocculation

Solid Suspension

Homogenisation

Blending

Other \_\_\_\_\_

**Existing Vessel**

Shape \_\_\_\_\_

Dimensions: \_\_\_\_\_

Fluid Depth Min: \_\_\_\_\_

Max: \_\_\_\_\_

**Existing Mixer**

Shaft Diameter \_\_\_\_\_

Shaft Length: \_\_\_\_\_

Power \_\_\_\_\_

**Other Information**

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