

# MIKRONS® TWIN SHAFT MIXERS

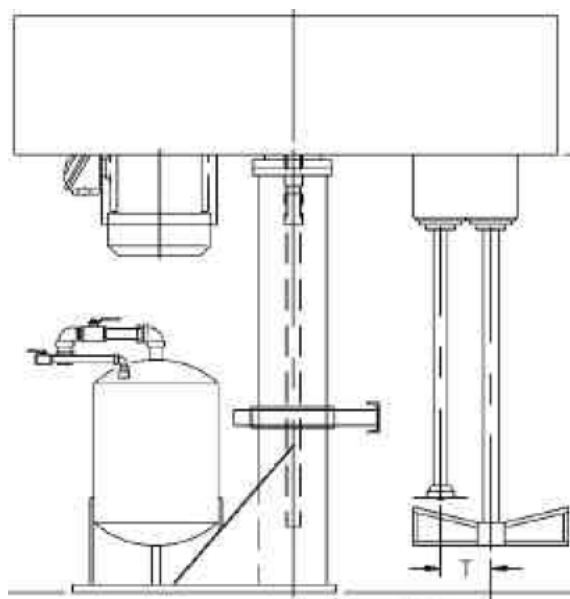
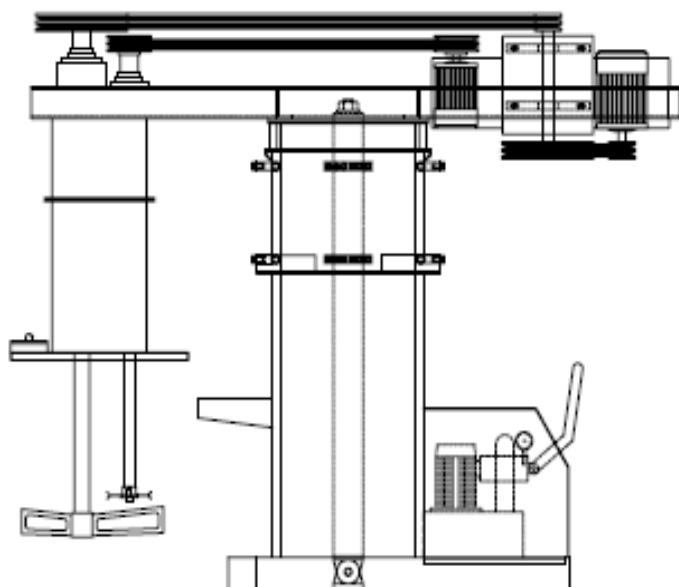
**MIKRONS® Dual Shaft High Speed Disperser** are mixers that will disperse pastes far too heavy for single shaft high speed dispersers in excess of 3,00,000 centipoises. Our **MIKRONS®** dual mixer is a two machine in one combining the dispersing action of a high speed shaft and disc impeller with the high shear action of the heavy duty open impeller.

## Standard Features:

- ❖ Hydraulic cylinder lift design with controls
- ❖ Mix vessel include flat bottom, mounted on casters with Vessel locking device
- ❖ Two independently driven agitators including anchor and a High Shear Impeller.
- ❖ Drive motors are non explosion proof induction type and Safety limit switches provided

## Options:

- Inlet / Outlet nozzles, sight points and flush tank discharge valves
- Temperature and Pressure indicators
- Jacketed for cooling / heating
- PLC System
- Rotating scrapper
- Vacuum arrangement
- Explosion proof motors



**Capacity Table for MIKRONS® Twin Shaft Mixer**

| MODEL   | MOTOR HP   |            |         | SHAFT SPEED-SINGLE |                | CONTAINER DIA METER mm | OPERATING VOLUME L | STROKE mm | HEIGHT mm | BREADTH mm | WIDTH mm | NETT WEIGHT kg | GROSS WEIGHT kg |
|---------|------------|------------|---------|--------------------|----------------|------------------------|--------------------|-----------|-----------|------------|----------|----------------|-----------------|
|         | SLOW SPEED | HIGH SPEED | LIFTING | SLOW SPEED rpm     | HIGH SPEED rpm |                        |                    |           |           |            |          |                |                 |
| TSM-50  | 1          | 2          | 1       | 100                | 1500           | 500                    | 30-50              | 500       | 1600      | 1300       | 700      | 720            | 900             |
| TSM-100 | 2          | 3          | 1       | 100                | 1500           | 650                    | 70-100             | 650       | 1750      | 1550       | 800      | 900            | 1100            |
| TSM-200 | 3          | 5          | 1.5     | 80                 | 1200           | 750                    | 150-200            | 750       | 1850      | 1600       | 900      | 1300           | 1500            |
| TSM-300 | 5          | 5          | 1.5     | 80                 | 1200           | 800                    | 250-300            | 800       | 1850      | 2000       | 900      | 1800           | 2050            |
| TSM-500 | 10         | 10         | 1.5     | 80                 | 1200           | 1000                   | 400-500            | 1000      | 1850      | 2000       | 1000     | 2300           | 2550            |
| BBM-50  | 1          | NIL        | 1       | 100                | NIL            | 500                    | 30-50              | 500       | 1600      | 1300       | 700      | 650            | 850             |
| BBM-100 | 2          | NIL        | 1       | 100                | NIL            | 650                    | 70-100             | 650       | 1750      | 1550       | 800      | 850            | 1050            |
| BBM-200 | 3          | NIL        | 1.5     | 80                 | NIL            | 750                    | 150-200            | 750       | 1850      | 1600       | 900      | 1200           | 1450            |
| BBM-300 | 5          | NIL        | 1.5     | 80                 | NIL            | 800                    | 250-300            | 800       | 1850      | 2000       | 900      | 1700           | 1950            |
| BBM-500 | 10         | NIL        | 1.5     | 80                 | NIL            | 1000                   | 400-500            | 1000      | 1850      | 2000       | 1000     | 2200           | 2450            |

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