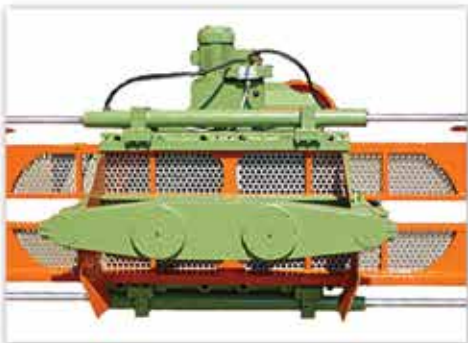


DOUBLE-SHAFT MIXERS



Specialists in

TECHNICAL SHEET

Double-Shaft Mixers mix the raw material and supply a homogeneous and sufficiently plastic dough to the feeding line. Mixing is accomplished by the rotation of a series of blades that force the material to move from one side of the large basin to the other, and spread it, thus homogenizing the raw material. The mixture is moistened by a series of pressure nozzles placed at different points of the basin. The mixing blades can be supplied with a wear-resistant tungsten carbide reinforcement on the external surface, together with a thick chromium plating. The double shaft mixers are available with basins between 2000 and 3000 mm long, with mixing blade diameters of 300-850 mm for outputs of 10–200 m³/h. Double-Shaft Mixers are also available with grids to filter the raw material, separating rocks, roots and extraneous matters of any kind. These are known as double-shaft screen mixers.

Features of Double-Shaft Mixers

- Supporting structure in welded steel.
- Interchangeable coatings supplied upon request, such as chrome plating.
- Front support shafts equipped with spherical roll bearings.
- Mixing blades mounted on a square-section shaft made of welded steel.
- Mixing blades in steel with chromium plating and wear-resistant reinforcement in tungsten carbide upon request.
- Mixing zone protected by means of a grid.
- Gearbox with double reduction, dismountable steel support shafts and helical gears.
- Forced lubrication by motorized pump.
- Driving pulley with pneumatic clutch.

| | TANK DIMENSION | | AUGERS Ø | HOURLY OUTPUT | POWER | WEIGHT |
|----------------|----------------|-------|----------|--------------------|-------|--------|
| MORANDO | mm | mm | mm | m ³ / h | kW | kg |
| MBA 2 | 2.500 | 650 | 380 | 10 / 15 | 12 | 2.100 |
| MBA 3 | 2.500 | 750 | 420 | 15 / 20 | 15 | 2.500 |
| MBA 4 | 2.500 | 900 | 510 | 25 / 30 | 22 | 3.800 |
| MBA 5 | 3.000 | 1.000 | 570 | 35 / 40 | 30 | 4.400 |
| MBA 6 | 3.000 | 1.150 | 620 | 50 / 60 | 45 | 7.000 |
| MBA 7 | 3.135 | 1.300 | 750 | 90 | 90 | 11.000 |

| | TANK DIMENSION | | AUGERS Ø | HOURLY OUTPUT | POWER | WEIGHT |
|----------------------------|----------------|-------|----------|--------------------|-------|--------|
| BONGIOANNI MACCHINE | mm | mm | mm | m ³ / h | kW | kg |
| 16 IN | 2.900 | 800 | 440 | 18 / 20 | 22 | 3.260 |
| 17 IN | 2.900 | 900 | 510 | 30 | 30 | 3.400 |
| 18 IN | 3.030 | 1.050 | 610 | 40 | 37 | 5.000 |
| 31 IN | 3.265 | 1.430 | 850 | 75 / 85 | 75 | 12.300 |

| | TANK DIMENSION | | AUGERS Ø | HOURLY OUTPUT | POWER | WEIGHT |
|----------------|----------------|-------|----------|--------------------|-------|--------|
| MORANDO | mm | mm | mm | m ³ / h | kW | kg |
| MBAF 4 | 2.500 | 900 | 420 | 15 / 20 | 37 | 4.600 |
| MBAF 5 | 2.500 | 1.000 | 510 | 25 / 30 | 45 | 5.800 |
| MBAF 6 | 3.000 | 1.160 | 620 | 25 / 30 | 90 | 9.300 |

| | TANK DIMENSION | | AUGERS Ø | HOURLY OUTPUT | POWER | WEIGHT |
|----------------------------|----------------|-------|----------|--------------------|-------|--------|
| BONGIOANNI MACCHINE | mm | mm | mm | m ³ / h | kW | kg |
| 17 ISO | 2.040 | 890 | 510 | 25 / 30 | 45 | 5.300 |
| 18 ISO | 2.830 | 1.050 | 610 | 30 / 35 | 55 | 7.200 |

Features of Double-Shaft Screen Mixers

- The same characteristics listed above apply for Screen Mixers.
- Front Grill is in steel with chromium plating and wear resistant reinforcement and with hydraulic control for rapid replacement during operations.