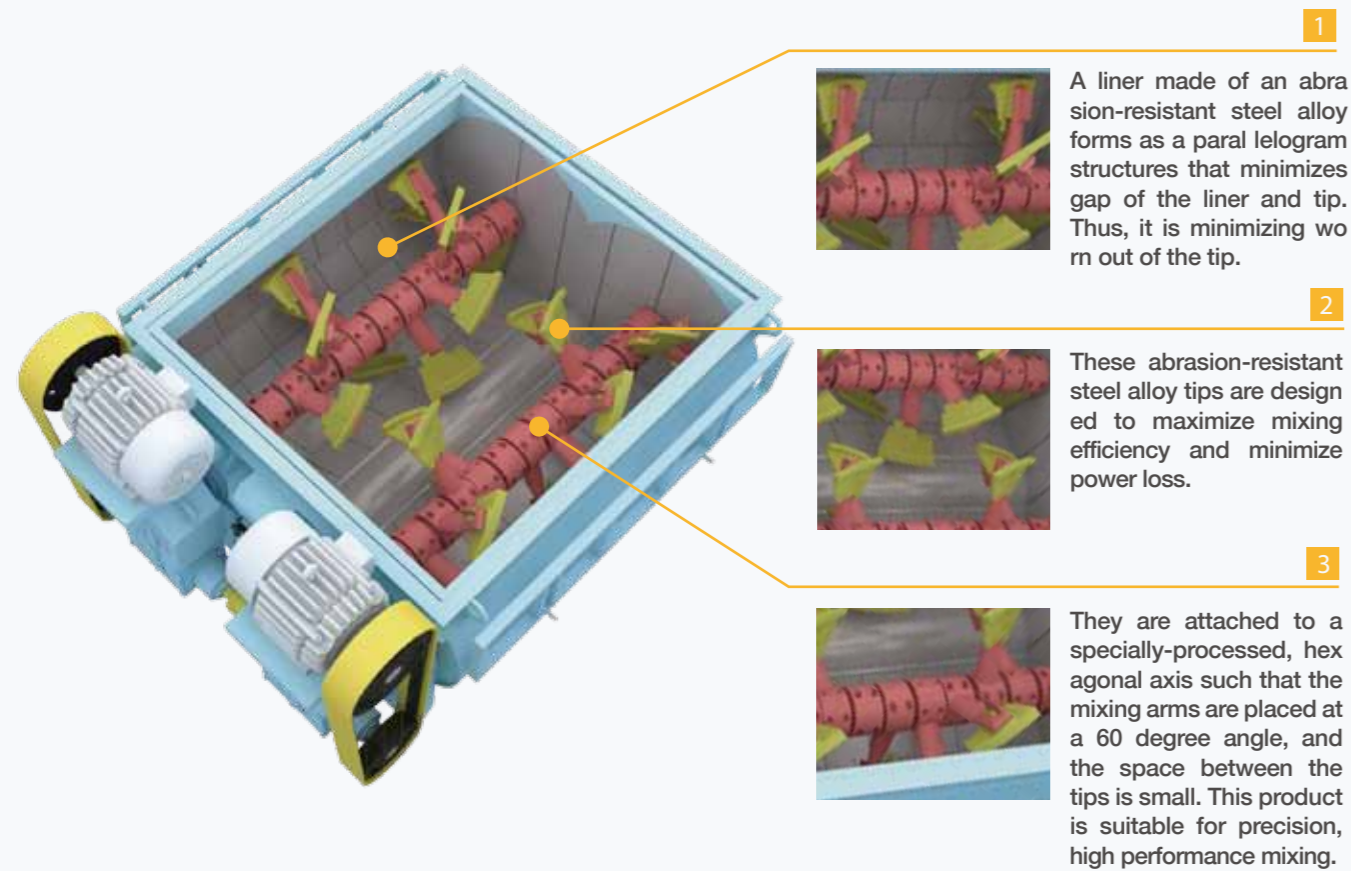


DMI Twin Shaft Mixer

DMI Twin Shaft Mixer

The DMI mixer features an internal structure designed so that the space between the mixing tips is small, with a 60 degree angle of the arm arrangement and tip of the structure, corresponding to the round mixer surface. Thus, it is excellent for high strength concrete mixing and can create the perfect mixture within 30 seconds.



Technical Data

Model	Dry Volume	Output Per Batch	Maximum Capacity		Standard Drive
			Quality Concrete	Special Concrete	
DTSM-1000	1.9m³	1.0m³	60m³/Hr	40m³/Hr	18.5KW X 2
DTSM-1500	2.5m³	1.5m³	90m³/Hr	60m³/Hr	30KW X 2
DTSM-2000	3.3m³	2.0m³	120m³/Hr	80m³/Hr	37KW X 2
DTSM-2500	4.4m³	2.5m³	150m³/Hr	100m³/Hr	45KW X 2
DTSM-3000	5.0m³	3.0m³	180m³/Hr	120m³/Hr	55KW X 2
DTSM-3500	5.6m³	3.5m³	210m³/Hr	140m³/Hr	55KW X 2
DTSM-4000	7.5m³	4.0m³	240m³/Hr	160m³/Hr	75KW X 2
DTSM-6000	11.5m³	6.0m³	360m³/Hr	240m³/Hr	110KW X 2

The capacities are based on Under 80mm gravel, slump 8cm, Strength 210kg/cm² & 60batch/hour

Technical Summary

DMI Mixer Mixing Principle



1

The mixer's arm is elaborated with scientific precision such that the left and right arms work together to push the raw materials in an axial direction. The mixed components are received and reversed by opposing arms to ensure quality products.



2

Concrete inside the mixer is made to converge via the rotating power of the arms, and is then spread and distributed outside or inside based on a special arrangement of the tips that makes it possible to produce high-quality concrete.



3

The central part of the mixer, which heavily consumes power, can cause a huge difference in the loading rate. However, this consumption is largely mitigated by the efficient arm arrangement angles used.

DMI Twin Shaft Mixer

HIGH EFFICIENCY MIXER

www.dmieng.com



DMI Twin Shaft Mixer

Technical Summary

DMI Twin Shaft Mixer

HIGH STRENGTH CONCRETE MIXER

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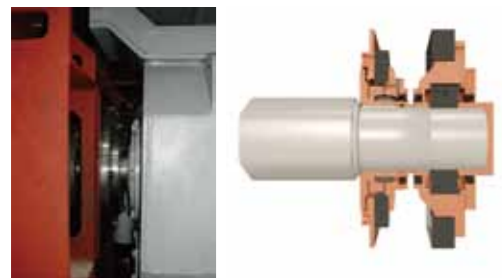
DMI Twin Shaft Mixer

The DMI mixer provides globally-proven, excellent quality and performance. It ensures excellent mixing quality in a short period of time, and an optical arrangement using minimal space is available, which enables convenient operation and management.



Air and Oil Injection

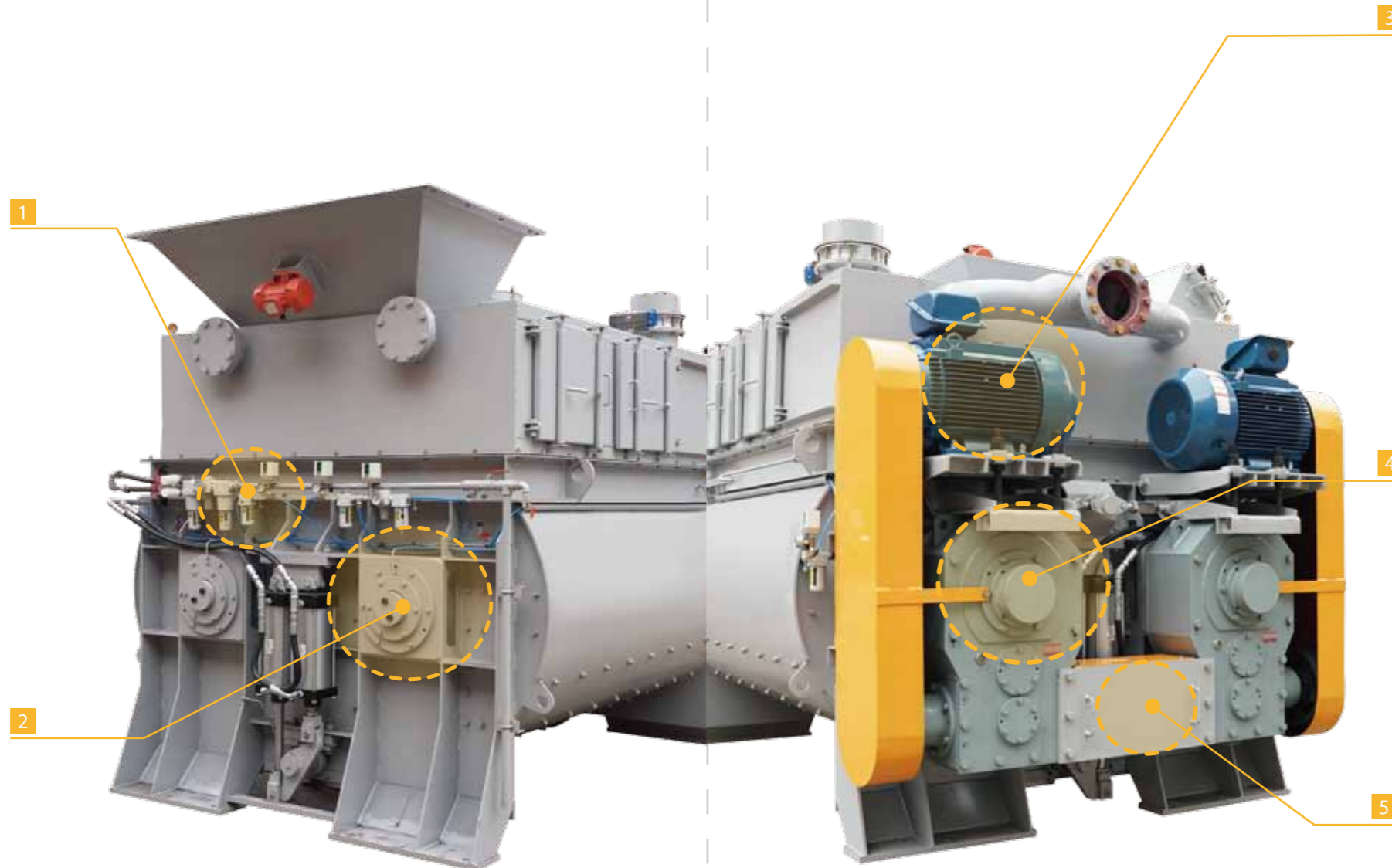
An oiler is installed in 4 seal boxes, and oil is evenly injected on air flow from the control panel by a fully-automated remote system. This system is programmed to make sure a certain air pressure is automatically supplied, which maximizes the sealing effect, extends the life of the seal, and produces high-quality concrete.



Seal Box

The bearings in the seal boxes are designed to inject grease by manually. During the manufacturing process, after welding is completed, a boring processing is followed to assemble these bearings. Thus, it is precise.

The air and oil are injected by the internal left seal and grease is injected by the right. During mixing, this protects the Seal Box from the concrete (mortar) of the internal mixer and facilitates long-term use and management.



Motor and Pulley

A globally-recognized brand motor is mounted on the mixer to provide the longest durability without the need for maintenance, ensuring optimal operation under various environmental conditions.

The DMI driving pulley applied special Tapper Bush. Thus, it is ensure short time to assemble and replace with a wrench bolt.



Gear Box

A gear box developed dedicated for the DMI mixer determines input and output axes in the vertical direction, and bevel helical gear is also applied. Through the special processes of these gears, noise and vibration are sharply reduced.



Coupling

The DMI coupling corrects the errors in the balance between the two shafts through its precision processing. Also, it distributes the load of the shafts evenly to minimize the burden on the driving force. With the specially built parts included in the product, it is to prevent a backlash, and easier to replace parts.



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