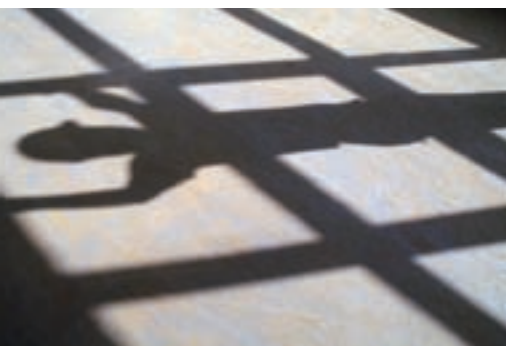


# Truck mixers

Truck mixers for ready-mix concrete

**intermix**<sup>®</sup>



**Putzmeister**

# Innovation in concrete



## Putzmeister Holding GmbH

Putzmeister Holding GmbH develops, produces and sells high quality machines that are used around the world mainly to transport concrete, cement and bulk material. Our market segments are in the construction industry, in mining and tunnel construction, in large industrial projects and in power plants, sewage treatment plants and waste incineration plants. As a result, the companies in the Putzmeister Group run business segments in a variety of areas:

- **Concrete technology**
- **Industrial technology (oil, gas)**
- **Power plant and environmental technology**
- **Cement and screed technology**
- **Mining**



# Intermix - Experience from tradition

## With expertise from over 30 years

Intermix stands for innovation, flexibility and quality in the production of truck mixers, industrial mixers, tunnel mixers and special mixers. By consistently orienting itself to the needs of its customers, Intermix's concrete mixers feature in numerous markets around the world today. The combination of experience, outstanding technological innovation and strategic customer orientation has topped off the offer from the Putzmeister Group since 2012.



# Elaborate technology. Close to the customer.

“We are constantly enhancing the truck mixer for our customers.”

When the principle of the truck mixer was showcased at the Hannover exhibition in 1958, it was unique. Meanwhile, continuous changes and improvements are making this

everyday machine fit for the future. Crucial for new developments are the requirements and requests of customers. Translated into technical functions, tried and tested, they

lead to innovations in terms of work ergonomics and comfort and ensure the safety of employees and the long-term operating life of the machines.

## Sophisticated features of the Intermix concrete mixer:

### 1. Optimised drum geometry

- Increased water volume as a safety reserve for liquid concrete
- Low point of gravity for safe travelling
- Low construction height for easy transportation of the mixing device

### 2. Doubled drip ring with cleaning chain

- Significantly less contamination of the outlet cone

### 3. Enlarged platform with ergonomically designed railing

- Simple and safe cleaning
- Grating closed at the bottom as a knee splash guard

### 4. Large manhole - Ø 580 mm

- Simple inspection and cleaning of the drum





2. Ease of cleaning



3. Ergonomics and work safety



9. Easily accessible



**5. Long discharge chute – 1.45 m**

- Easy accessibility of pump and crane bucket

**6. Closed mixer frame made from S500 steel**

- Increased stability of the entire structure

**7. Sump guard with step**

- Secure and ergonomic working

**8. Closed tailpiece to the vehicle frame**

- Easy cleaning
- Low contamination

**9. Integrated storage compartment**

- Tools such as grease gun easily accessible
- Secure storage outside the driver cab



# Proven and durable, for any application

## Concrete mixer IMI

Truck mixers are used every day. They have to run reliably and be low-maintenance. Low wear-and-tear in particular plays an important role in a rough environment and in dealing with coarse materials, so that it can supply transport concrete without any loss in quality for years to come.

Consequently, TBL steel from Thyssen-Krupp has been integrated into the Intermix standard truck mixer. This heat-treatable steel provides special protection against wear-and-tear at a good price-performance ratio. The truck mixer therefore withstands difficult conditions and ensures a long service life

## Basic information for TBL boron manganese steel:

- **27 Mn Cr B5 / TBL boron manganese steel**
- **Approx. 30 % higher resistance to wear-and-tear than standard construction steel**
- **Material strength 4.5–6 mm depending on the wear-and-tear zone with edge protection of the helices**





### IMI 7.1

Nominal filling:	7.00 m <sup>3</sup>
Water line:	8.23 m <sup>3</sup>
Geometric volume:	12.97 m <sup>3</sup>
Mounting angle:	12.70 °
Height:	2645 mm
Weight:	3520 kg

### IMI 8.1

Nominal filling:	8.00 m <sup>3</sup>
Water line:	9.33 m <sup>3</sup>
Geometric volume:	14.19 m <sup>3</sup>
Mounting angle:	12.70 °
Height:	2687 mm
Weight:	3840 kg



### IMI 9.1

Nominal filling:	9.00 m <sup>3</sup>
Water line:	10.46 m <sup>3</sup>
Geometric volume:	16.06 m <sup>3</sup>
Mounting angle:	11.40 °
Height:	2694 mm
Weight:	4120 kg

### IMI 10.1

Nominal filling:	10.00 m <sup>3</sup>
Water line:	11.16 m <sup>3</sup>
Geometric volume:	17.14 m <sup>3</sup>
Mounting angle:	10.88 °
Height:	2713 mm
Weight:	4370 kg

### IMI 12.1

Nominal filling:	12.00 m <sup>3</sup>
Water line:	13.55 m <sup>3</sup>
Geometric volume:	20.11 m <sup>3</sup>
Mounting angle:	10.68 °
Height:	2864 mm
Weight:	4840 kg



# The lightweights among heavy workers

## Light, durable and with a high payload.

A minimal empty weight for truck mixers is crucial for business. Every reduction in weight means a higher payload and lower costs for fuel, tyres, fees and taxes. Certain partly country-specific regulations also place requirements on empty and total weight.

The new lightweight Intermix concrete mixer addresses precisely this point. Both its drum wall and the helices are made of 3 millimetre Hardox steel sheets. Thanks to the excellent properties of Hardox in terms of hardness, toughness, strength and wear-and-tear, these low sheet thicknesses achieve the same service life with a reduced empty weight.

## Benefits of lightweights with Hardox:

- Saving up to 18% in weight
- Lower usage and operating costs
- Constant durability
- Higher payload

## Basic information of lightweights with Hardox:

Compared to the normal 4.5 millimetre strong steel structure, the total weight of the light version made from Hardox is around 18 per cent less. The use of highly wear-resistant Hardox sheets was optimised together with SSAB.

For the drum made completely from Hardox in the wear zones, Intermix obtained the "Hardox in my body" (HIMB) licence. Drum, helices and edge protection are made from Hardox 400 and Hardox 450.







### IMI 7.1 Ultra Light

Nominal filling:	7.00 m <sup>3</sup>
Water line:	8.23 m <sup>3</sup>
Geometric volume:	12.97 m <sup>3</sup>
Mounting angle:	12.70 °
Height:	2645 mm
Weight:	3050 kg

### IMI 8.1 Ultra Light

Nominal filling:	8.00 m <sup>3</sup>
Water line:	9.33 m <sup>3</sup>
Geometric volume:	14.19 m <sup>3</sup>
Mounting angle:	12.70 °
Height:	2687 mm
Weight:	3270 kg



### IMI 9.1 Ultra Light

Nominal filling:	9.00 m <sup>3</sup>
Water line:	10.46 m <sup>3</sup>
Geometric volume:	16.06 m <sup>3</sup>
Mounting angle:	11.40 °
Height:	2694 mm
Weight:	3520 kg

### IMI 10.1 Ultra Light

Nominal filling:	10.00 m <sup>3</sup>
Water line:	11.16 m <sup>3</sup>
Geometric volume:	17.14 m <sup>3</sup>
Mounting angle:	10.88 °
Height:	2713 mm
Weight:	3730 kg

### IMI 12.1 Ultra Light

Nominal filling:	12.00 m <sup>3</sup>
Water line:	13.55 m <sup>3</sup>
Geometric volume:	20.11 m <sup>3</sup>
Mounting angle:	10.68 °
Height:	2864 mm
Weight:	4100 kg

# Ready for any towing vehicle – the semitrailers from Intermix



## 2 axle trailer IMI 10DS

Nominal volume: 10.00 m<sup>3</sup>  
Water volume: 11.40 m<sup>3</sup>  
Centre distance: 1.81 m, 38 to  
Drum and spirals: Wear-resistant steel  
or Hardox lightweight  
construction

## 3 axle trailer IMI 12DS

Nominal volume: 12.00 m<sup>3</sup>  
Water volume: 13.10 m<sup>3</sup>  
Centre distance: 1.31 m, 40 to  
Drum and spirals: Wear-resistant steel  
or Hardox lightweight  
construction

## Features IMI 10DS and IMI 12DS at a glance

- Low centre of gravity
- Integrated full load supports
- Double cropped chassis with compact dimensions for high driving stability
- Stainless steel storage compartment
- LED rear lights
- Separate motor from Deutz or drive through tractor unit
- Composite structure with integrated gearbox support floor
- Optional lift axle



# Optional features. Extra choice.

**Working lights**



**Rear-view backup camera**



**Electronic control**



**Oil pressure gauge**



**Folding part with gravity locking device**



**Mechanic driver's cab control unit**



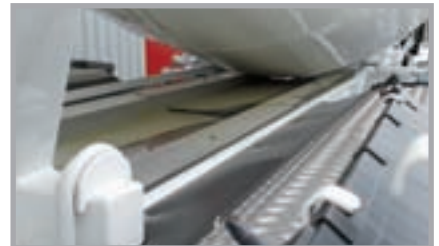
**Hydraulic 3/4 valve**



**Storage box**



**Splash guard**



**Extension channel**



**Flow concrete channel**



**Water tank in trestle**



**Admixture container 30 l**



**Admixture container 50 l**



**Water meter**



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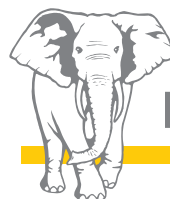
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