



**Putzmeister**



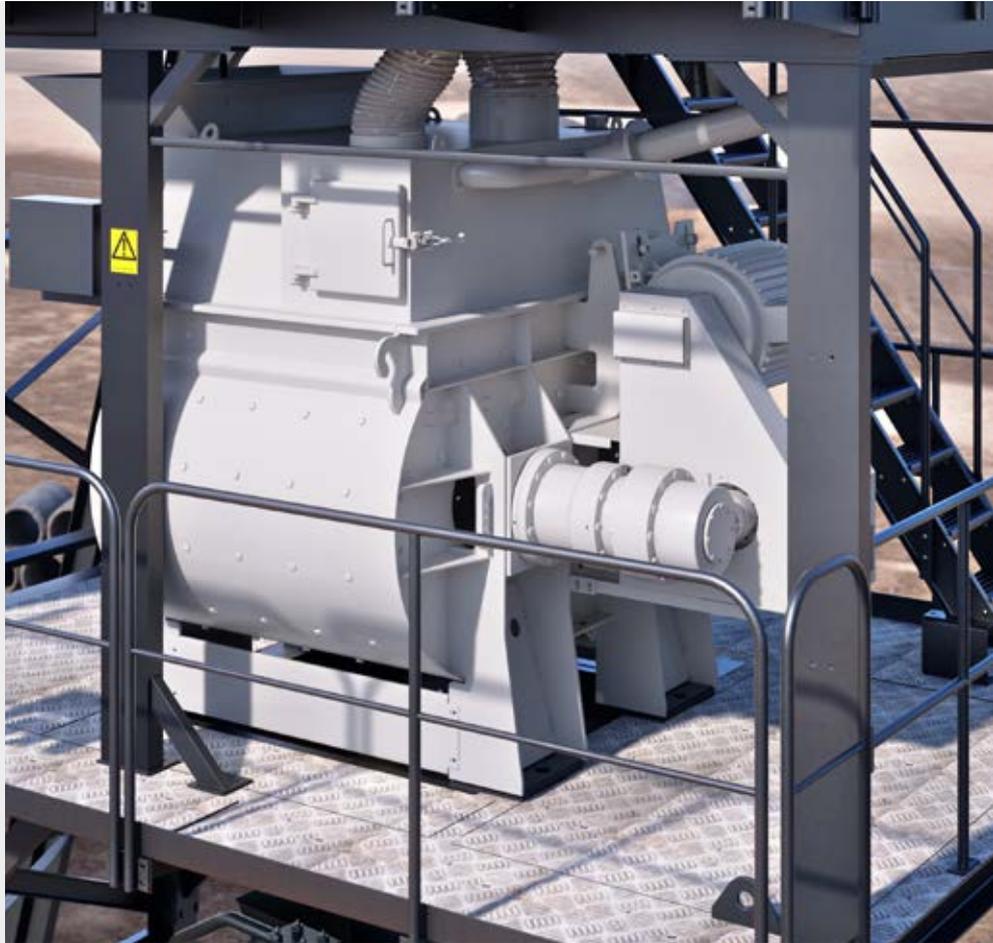
# Batching Plant MT 1.0

Mixing Technology at its best

# High Tech Features

## Fastest Maximum Mix Quality

The Twin-shaft mixer offers a consistent homogenous mixture of every batch in a shorter mixing cycle. Its robust design ensures smooth operations in even the toughest conditions. A central lubrication system that injects grease at regular intervals to shaft seals of mixer ensures smooth running at all times.



## Fully automated operations

- Computerized Supervisory Control and Data Acquisition (SCADA) system with process visualization
- Management Information System (MIS) reports for production and current status
- Digital weight display with automatic batching functions and interface for PLC
- Recipe management system

# Versatile mixing options for every job site

The MT 1.0 has been engineered to meet the requirements of commercial RMCs, real estate and infrastructure projects. Putzmeister uses the best of German

engineering to design and manufacture batching plants that meet the requirements of global construction industry in this category. Available in the widest range of

variants in this category of batching plants, the MT 1.0 offers high productivity, high tech operation, ease of maintenance and a clean and safe working environment.



## MT 1.0 Key Benefits

### Options For Every Type of Job Site

- Plant is configurable to meet any jobsite requirement
- Choice of different aggregate storage types

### High Productivity In Lesser Time

- Consistent homogenous mixture with every batch
- Easy drive through, transit mixers don't have to drive in reverse
- Faster installation because of modular design
- Easy to dismantle and transport to other jobsites

### High Tech Operation

- Fastest maximum mix quality with Twin Shaft mixer
- Automated central lubrication system ensure smooth running of mixer
- Top weighing system for cement, water, and fly-ash ensures accuracy at all time
- System generated reports

### Easy Maintenance and Safe Working Environment

- Preventive maintenance and interlocks in control system
- Maintenance platforms with easy access to mixer, weighing systems and all other equipment
- Hood for inclined belt conveyor for cleaner aggregate movement

# MT 1.0 Variants



MT 1.0 SKIP & INLINE BINS



MT 1.0 SKIP & COMPARTMENT BINS



MT 1.0 INCLINED BELT CONVEYOR & INLINE BINS

## Comprehensive Turnkey Solutions

- Skid for mobile application (no foundation required)
- Automatic calibration check system for cement and water weigher
- Cement/ Fly-ash/ Micro silica silo and its accessories
- Screw conveyor for Cement/ Fly-ash/ Micro silica
- Micro silica/ Ice feeding system
- Bulker unloading/ Dual feeding system
- Aggregate feeding conveyor
- Ice plant/ Water chiller
- Weigh bridge



# Technical Specifications

Description	MT 1.0		Skip & Inline Bins	Skip & Compartment Bins	Inclined Belt Conveyor & Inline Bins
<b>General</b>	Plant capacity	m <sup>3</sup> /h	60*	60*	60*
	Space required (L x W)	m	24 × 5	16 × 5	37 × 5
	Plant height (w/o silo)	m	10.75	10.75	10.75
	Concrete discharge height	m	4.1	4.1	4.1
	Operating voltage/ Frequency	V/Hz	415 V / 50 Hz	415 V / 50 Hz	415 V / 50 Hz
<b>Mixing module</b>	Mixer	Type	Twin Shaft TS 1.0	Twin Shaft TS 1.0	Twin Shaft TS 1.0
	Input power	kW	18.5 x 2	18.5 x 2	18.5 x 2
	Dry filling	m <sup>3</sup>	1.5	1.5	1.5
	Compacted concrete	m <sup>3</sup>	1.0	1.0	1.0
<b>Weighing system</b>	Cement	kg	750	750	750
	Water	kg	250	250	250
	Additive	kg	15	15	15
<b>Inclined belt conveyor</b>			N/A	N/A	Available
<b>Waiting hopper</b>			N/A	N/A	Available
<b>Compressor</b>	Max. pressure	bar	9	9	9
	Pressure tank volume	l	300	300	300
<b>Aggregate Storage</b>	No. of compartment (std.)	Qty	4	4	4
	Capacity of each compartment	m <sup>3</sup>	12.5	10	12.5
	Total capacity (std.)	m <sup>3</sup>	50	40	50
	Batching gate per compartment	Qty	1	1	1
	Filling width per compartment	m	3	3	3
	Filling height	m	4.2	5	4.2
<b>Control system</b>	Automatic Batch Control	Type	PC / Software	PC / Software	PC / Software

\* Plant capacity based on mixing time 30 sec, 1m<sup>3</sup> of concrete recipe considering, 2000kg aggregates, 300 kg cement and water-cement ratio 0.5

\*\* Space required without silos, cabin and aggregate feeding arrangement



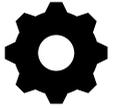
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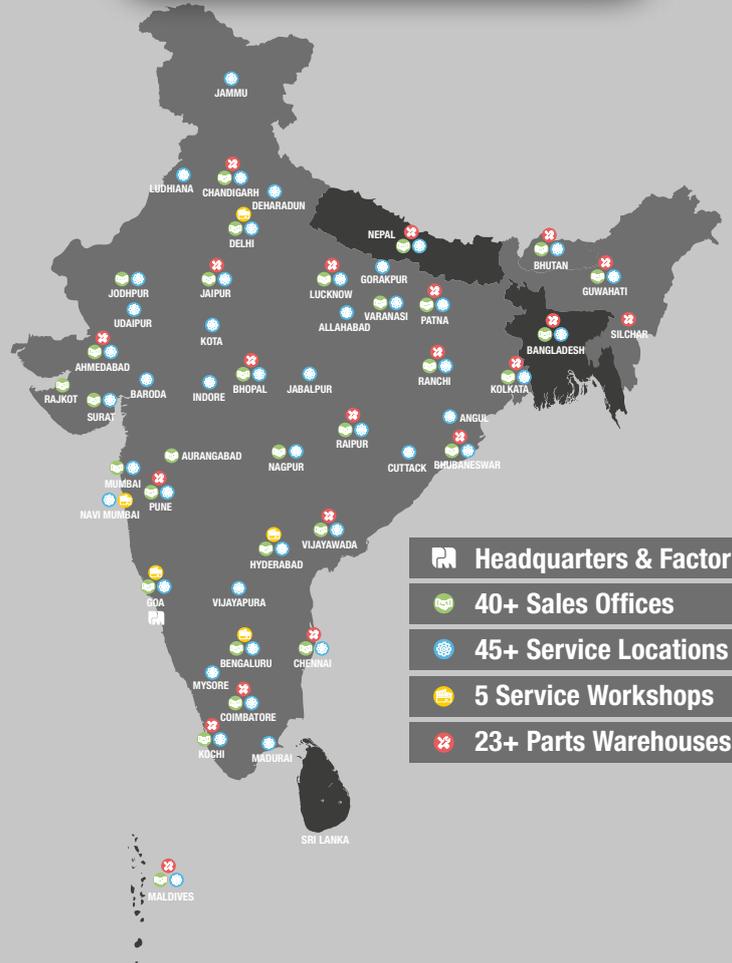
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