



**Putzmeister**

**iONTRON**

THE FUTURE. ZERO EMISSION.



# iONTRON eMixer

Efficient, emission-free and 100 % electric – trip after trip



Trip #1 – our mission



TRIP #1

# OUR MISSION: THE FUTURE. ZERO EMISSIONS.

The iONTRON product range from Putzmeister is paving the way to a sustainable and environmentally friendly future. Become part of the revolution that spans everything from concrete transport to concrete pumping through to placement on the construction site. As a manufacturer of construction machinery, we know that the global construction industry is responsible for nearly 40% of CO<sub>2</sub> emissions. That is why we are placing sustainability at the centre of the Putzmeister innovation strategy.

The positive response from our customers and others on construction sites have shown us that sustainability and environmental protection are becoming increasingly important factors.



Trip #2 – 100% electric



TRIP #2

# CONCRETE TRANSPORT IN URBAN AREAS WITH INNOVATIVE E-MOBILITY

With the iONTRON eMixer from Putzmeister you will catch every eye on the construction site. Whether you are working on a family home in the town centre or an infrastructure project in a major city – with the eMixer you can drive across your deployment area without restrictions.



## 100% electric in the city

Environmental protection is an important factor these days when it comes to tendering and awarding contracts. The iONTRON eMixer allows you to drive to various construction sites in urban areas at any time of day. That means you are well prepared for the future.



Trip #3 – zero emissions



TRIP #3

# ZERO EMISSIONS FUTURE FOR SUSTAINABLE LIVING SPACES

The iONTRON eMixer will make you a pioneer of environmentally friendly concrete transport. You do not have to rely on fossil fuels and are simultaneously assuming social responsibility for a sustainable future.



## Focus on noise and CO<sub>2</sub> emissions

Whether you are driving or are on the construction site – noise emissions are a strain on the environment. There are strict regulations to protect residents as well as site personnel, particularly in urban areas. Putzmeister stands for innovation and efficiency, combined with the efficient use of resources and environmental protection. As a technological leader, we assume social responsibility and contribute to reducing CO<sub>2</sub> emissions. The result is the iONTRON eMixer. Ready?



Trip #4 – efficient



TRIP #4

# THE USUAL PERFORMANCE – WITH A PROFITABLE INVESTMENT IN THE FUTURE

Rising diesel prices, carbon taxation and high maintenance costs – with the Putzmeister iONTRON eMixer, these are issues you will no longer have to worry about.





Trip #5 – endurance



TRIP #5

**AS MANY TRIPS  
AS NECESSARY  
POWER THAT CAN  
GO THE EXTRA MILE**



Trip #6 – reliability



TRIP #6

**LONG WORKING DAYS  
THANKS TO SOPHISTICATED  
BATTERY TECHNOLOGY**





Work during the day, charge overnight



CHARGING

# THE END OF THE WORKING DAY MEANS CHARGING CAN START – AND SIMPLY RUN OVERNIGHT

Depending on the number of trips and average distance driven, one battery charge can last the entire working day. Traffic jams are also no cause for worry: The truck does not consume power while idling and only minimal consumption is required for rotating the drum. After the working day is done, the eMixer can be “refuelled” at a 50 kW charging station, for example. Electromobility is that simple.



## #1

**Driving and mixing with 100% electric power**

The iONTRON eMixer will make you a pioneer of environmentally friendly concrete transport. Depending on the local electricity mix, CO<sub>2</sub> emissions are reduced by up to 100%.

## #2

**Reduced sound level**

Low-noise machines protect residents – and the personnel working directly on the construction site. With the iONTRON eMixer, the noise level can be significantly reduced to protect the health of everyone in the vicinity.

## #3

**Profitable investment in the future**

With the iONTRON eMixer, you are on the safe, efficient side – regardless of the availability and cost of fossil fuels.

## #4

**Work during the day, charge overnight**

One battery charge can last for an entire day with five to six trips in urban areas. If you need to complete more jobs, the eMixer can simply be charged on the go thanks to the commonly used CCS Combo 2 charging plug.

## #5

**Reliable and practical e-mobility**

Thanks to the innovative battery technology, the eMixer can be used in urban areas as usual with a comparable payload and without restrictions – just with 100% electric power.



# Putzmeister iONTRON eMixer – sustainable sophistication right down to the last detail

## Electric driving and mixing – the iONTRON eMixer made by Putzmeister

With the iONTRON eMixer from Putzmeister, you can expand your fleet with an environmentally friendly construction machine that offers zero CO<sub>2</sub> emissions and a significantly reduced noise level. It is very efficient in use and makes you independent from fossil fuels. We call this economic environmental awareness.

### EFFICIENT DIRECT DRIVE

- # Maximum power thanks to electric direct drive
- # Efficient and quiet concrete mixing – in all working areas

### MANHOLE WITH 580 MM

- # Easy inspection and cleaning
- # Particularly user friendly, for example thanks to perfectly designed anti-trapping mechanisms, improved accessibility and even easier cleaning
- # Optimised design enables elements to be applied

## KEY FACTS

**Product name:**  
PUTZMEISTER iONTRON eMIXER

**Product type:**  
P9G iONTRON

**Truck model:**  
SANY 408P 8X4

**Battery capacity:**  
350 kWh

**Range:**  
APPROX. 8 HOURS OF OPERATION IN URBAN AREAS

**Overnight charging at mixing plants:**  
WITH UP TO 250 KW WITH CCS COMBO 2 PISTOL PLUG

**Drum capacity:**  
9 M<sup>3</sup>

**Gross weight:**  
32 T (UP TO 34 T)

**Payload:**  
COMPARABLE TO CONVENTIONAL TRUCK MIXER



### BATTERY WITH 350 kWh

- # 350 kWh battery power for a full working day in the city
- # Outstanding battery performance thanks to partnership with CATL, a globally leading company for battery technology

### P9G DRUM (9 M<sup>3</sup> NOMINAL)

- # Optimised drum geometry
- # Low centre of gravity
- # Low truck superstructure height
- # Double drip ring
- # Components made of wear-resistant Hardox steel (optional)
- # Optimal corrosion protection
- # Aluminium attachments

### E-MOTOR WITH 315 kW

- # Unparalleled torque thanks to 315 kW electric motor
- # Virtually silent driving

### 8X4 AXLE-CONFIGURATION

- # Excellent traction
- # Permitted gross weight of up to 34 t
- # Low energy consumption in everyday use

### ERGONIC MIXER CONTROL (EMC)

- # Fully electronic Ergonic<sup>®</sup> Mixer Control (EMC) control system
- # Robust hardware
- # Fully automatic cleaning program
- # Planning security thanks to connection to the machine cockpit
- # Ergonic<sup>®</sup> Output Control (EOC)



# Putzmeister iONTRON eMixer – planning security for wide variety of applications

## RELIABLE CONCRETE TRANSPORT – EVEN ON LONG WORKING DAYS

Deploy and schedule the mixer as usual – thanks to full transparency with the machine cockpit:

- # Ready to go when you want to get going: You can already check the charge level while you are still having breakfast
- # No need to worry about breaking down during the day: All important battery information is always available in real time
- # Sleep soundly in the knowledge that you can even control the charging operation remotely after leaving work

Always have the right data  
at the right time.

Industry 4.0 offers enormous potential for increasing your competitiveness. The most important aspect is the transparency of relevant information. With the machine cockpit, you receive a complete overview of your fleet and therefore your capital.

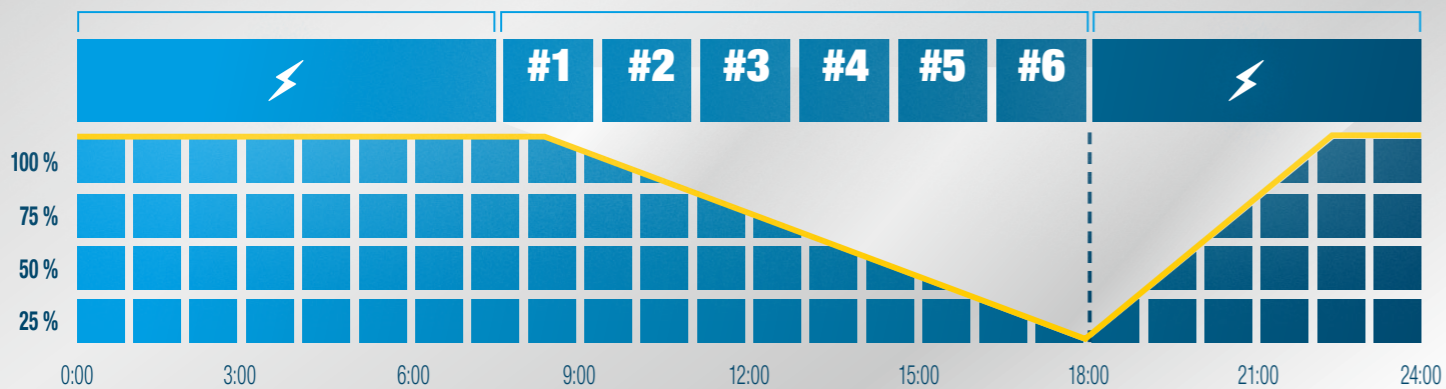
We support you in taking the next step into a digital future with a completely new form of fleet management.

### Putzmeister charging concept

Our charging concept answers the most important questions for planning the electrification of your fleet. As a result, we are providing a sound basis for decision-making and planning reliability for your next steps.

### We are happy to help

- # Requirements for optimum charging
- # Transparent cost breakdown
- # Future-proof charging solution
- # Optimum set-up site for charging stations
- # Next steps for implementation



## MACHINE COCKPIT THE INFORMATION CENTRE FOR YOUR E MIXER



- # **Simple e-mobility**  
Keep an eye on the charging status, remaining range, consumption and battery condition at any time and wherever you are
- # **Higher productivity**  
Precise vehicle scheduling, remote diagnosis of machine faults, status messages (e.g. driving and unloading)
- # **Transparent supply chain**  
Controlled water and additive metering



# Putzmeister iONTRON eMixer – driving and mixing with 100% electric power

## 100% PERFORMANCE 0% EMISSIONS

Rising diesel prices, carbon taxation and high maintenance costs – these are issues you will no longer have to worry about. The iONTRON eMixer boasts significantly lower variable operating and maintenance costs and thereby compensates the higher purchase price. We would be happy to calculate the total costs over the entire life limit – and the resulting savings – for you. Simply get in touch with us!



This is concrete transport with minimum environmental impact while staying profitable\*

**CO<sub>2</sub> emissions reduced up to 100% (184.8 kg)\***  
**Significantly reduced sound level**  
**Fuel consumption reduced by up to 70 l of diesel**

Total share of energy costs:  
**Diesel mixer per day: 148.50 €\***  
**iONTRON eMixer per day: 80.50 €\***

Savings  
**45%\***

\*Saving per day / 1 l of diesel equals up to 2.64 kg of CO<sub>2</sub>

### We ensure efficient concrete transport

With the iONTRON eMixer from Putzmeister, you will be working towards environmentally friendly concrete transport. More specifically, towards reducing CO<sub>2</sub> emissions and the consumption of fossil fuels. With Putzmeister, you are well prepared for the future.

**ELECTROMOBILITY  
 + TRUCK MIXER  
 = ZERO CO<sub>2</sub> EMISSIONS,  
 MAXIMUM NOISE PROTECTION,  
 CONVENIENCE AND  
 FUTURE SECURITY  
 MADE BY PUTZMEISTER**



**184,8 kg CO<sub>2</sub> SAVINGS\***  
**68 € COST SAVINGS\***  
**70 l DIESEL SAVINGS\***

### Example calculation\*:

Operating hours per day:  
**7 h**  
 Mileage in urban areas:  
**150 km (30% on toll roads)**

Average diesel consumption per h:  
**10 l**  
 Average energy consumption per h:  
**46 kWh**

Diesel price per l:  
**2.00 €**  
 Electricity price per kWh:  
**0.25 €**



# Putzmeister eService

## Everything at a glance – complete security

### ePRODUCTS

From producing to transporting through to placing concrete on the construction site – we offer the right product for every application.

### eSERVICE

You can expect the proven Putzmeister service quality from our eService team as well, whether for training, commissioning, inspection, maintenance, repairs or emergency assistance – Putzmeister continues to be the perfect partner.

### eCHARGING

Everything from a single source. We support you in selecting the right charging infrastructure for your plant to make the switch even more straightforward.

### ePOWER

Together with CATL, the market leader for batteries, we offer optimum service and a reliable supply of spare parts – ensuring you can operate at all times.

### eFINANCING

We would be happy to demonstrate how our electric products can represent a profitable investment in the future. We can support you with tailored advice and financing options. We can even support you in completing grant applications.

### ePROMISE

As an innovator in the field, we are at your side during the entire process of converting your own fleet to electrical power. For a successful, sustainable and environmentally friendly future.



**PUTZMEISTER  
eSERVICE**



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 **Putzmeister**