Putzmeister

Efficiency in progress

Innovation meets concrete pumps – for more power with less consumption

OUR MISSION: SUSTAINABLE AND SAFE SOLUTIONS

Steps to success #1

A strong partner for future-oriented technologies

- We have **at least a three-year head start** in the area of electric drives
- **More than 50 machines** in the field are already working successfully with electric drives
- The further development of the electric drive is based on **close customer consultations and experience reports**

Always one step ahead as the market leader

We have a passionate global team that creates exceptional customer experiences.

To enable our partners to grow, we offer the most productive, sustainable and safe solutions for realising residential construction and infrastructure projects.

That is our mission!

iONTRON

The path to carbon neutrality with the iONTRON family

iONTRON Hybrid BSF **2021**	iONTRON eMixer **2022**	iONTRON BSA **2024**	iONTRON Hybrid 2.0 **2024**
Introduction of the first hybrid truck-mounted concrete pump with S transfer tube (BSF)	Introduction of the first all-electric mixer with SANY base structure	Introduction of the first self-sufficient trailer concrete pump with S transfer tube (BSA)	Up to 20% more efficiency thanks to the electric pump

= Self-sufficiency = external power supply

The future on the construction site: zero emissions!

Future developments at Putzmeister will remain focussed on a clear goal: CO_2 reduction and energy efficiency. With our hybrid iONTRON, we were pioneers in construction site electrification. We are consistently pursuing this path towards even more efficient, fully electric truck-mounted concrete pumps and other environmentally friendly concrete pump solutions. The aim of the electric roadmap is to enable completely self-sufficient working on construction sites. With Putzmeister, you can rely on being ideally equipped for the future.

NO MATTER WHAT – WE HAVE THE SOLUTION TODAY!

LESS CONSUMPTION
+ HIGHER EFFICIENCY
+ MAXIMUM OUTPUT

= DIESEL EFFICIENCY PACKAGE

Your partner on the path to greater sustainability and efficiency

The construction industry is changing at the same pace as the world. No decision seems to be the right one in the long term. Change is subject to ever shorter cycles. It's good to have a partner who thinks ahead when making business decisions.
Who already has solutions ready when you are faced with new challenges.

Steps to success

#2

Efficiency in diesel drives – more power with lower fuel consumption

The high performance you are used to from Putzmeister machines with lower consumption and correspondingly lower operating costs: Our efficiency package pays off for you.

How?
With low-pressure reduction!

Lowering the charge pressure increases efficiency in the partial load range. As your concrete pump rarely runs continuously at full load, this solution offers energy savings of typically up to 6 kW, depending on the operating point and core pump. In normal operation, this allows you to save up to a maximum of 1.5 litres per hour.
Even when idling, the machine saves up to 1 litre of diesel per hour.*

in operation
– 1.5 l/h (max.)
when idling
– 1.0 l/h (max.)

= LOWER OPERATING COSTS

* All values are maximum theoretically possible values and are based on the different operating points, the core pump and the boom movements

Efficiency in progress

iONTRON 2.0 – ONE STEP AHEAD OF THE COMPETITION

HIGHER DELIVERY PRESSURE
+ HIGHER DELIVERY RATE
= ENERGY EFFICIENCY OPTIMISATION

Are you facing challenges? We already have the solution!

We promised you: The next iONTRON generation will be even more powerful thanks to a more efficient hydraulic and electrical system.
The result is the iONTRON 2.0!

What's new?

Low-pressure reduction

Increasing efficiency in partial load operation by reducing the pressure in the lower range reduces energy consumption and therefore operating costs.

ENERGY SAVINGS:
UP TO 6 KW

Optimisation of the battery charging pump

A further increase in efficiency through targeted adaptation to match the actual system requirements enables energy-optimised performance.

SYSTEM OPTIMISATION:
TARGETED

Electric motor speed optimisation

Additional increase in efficiency by lowering the minimum speed in partial load and idling operation, resulting in lower energy consumption and less wear.

SPEED REDUCTION:
OPTIMISED

Ergonic Output Control (EOC)

Improved efficiency thanks to demand-dependent speed adjustment in electric operation for minimised power losses and maximised output.

SPEED CONTROL:
VARIABLE

Steps to success #3

The next generation is now noticeably more powerful.

Thanks to its optimisation, the iONTRON 2.0 offers energy savings of 5–20 kWh. This means that up to 40 per cent more energy is available.
This can be used in two ways:
Firstly, to achieve the same performance with less energy, or secondly, to achieve a higher delivery rate and pressure with the same energy consumption.

You have the choice, we have the power.

63A +12 %

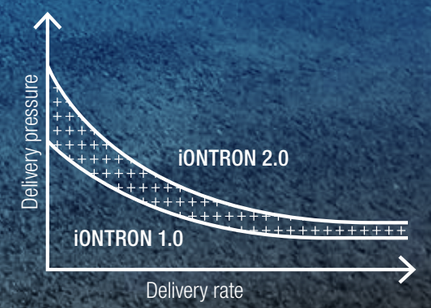
Delivery rate increase* of up to 12% and a maximum delivery rate of just under 82 m³/h

125A +44 %

Delivery rate increase* of up to 44% and a maximum delivery rate of more than 100 m³/h

* All values are maximum theoretically possible values and are based on the different operating points, the core pump and the boom movements

iONTRON 2.0 – The plus in performance



CREATE FUTURE WITH INNOVATION

A world where housing and infrastructure are affordable and sustainable.

The Putzmeister path to greater efficiency and sustainability

We have optimised the cycle time of further developments in order to get closer to our goal of zero CO_2 emissions with maximum efficiency. **The efficient and sustainable solution for every application and every situation!**

Our vision in detail

You can find out how we intend to realise our vision – as well as our stance on issues of the future – in our brochure.

Gehen Sie diesen Weg mit uns!
QR-Code scannen und Broschüre downloaden!

iONTRON

Putzmeister **eRoadmap**

- iONTRON Hybrid BSF **2021**
- iONTRON eMixer **2022**
- iONTRON BSA **2024**
- iONTRON Hybrid 2.0 **2024**

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