

Banke

E-PTO TM Series

for work vehicles



E-PTOs for Work Vehicles

If you are electrifying your fleet of work vehicles, an E-PTO system from Banke provides a higher environmental impact for each Euro invested than any other solution available today.

The E-PTO system comprises a battery pack, an electric motor, a hydraulic pump, and a smart electronic control system. The battery pack is dimensioned to provide enough energy for a full day of operation and is then recharged overnight, ready for the next day. Operating silently and with zero CO2 emissions, a Banke E-PTO reduces energy consumed by on-board hydraulics by up to 60%. For a typical work vehicle, this means saving 15–20 liters of diesel daily.

E-PTO System



Designed for Mobility

Banke TM series is designed to power various bodies, including refuse, crane, bucket trucks, tippers, etc.

High energy capacity

The TM series is available with energy capacity from 21-86kWh and with a range of power levels available from the power box.

Adjustable Pump Shift

The TM series comes with both fixed and variable displacement pump option.

Your benefits from E-PTO

When you use an E-PTO, your work equipment gets power from an electric plug-in system instead of relying on the vehicle's engine to power it through a PTO on the gearbox



Care for the environment

Significantly better energy efficiency and lower environmental impact from carbon dioxide, nitrogen oxides, or particles



Lower noise pollution

The lower noise levels of an E-PTO system result in a much better working environment for the crane operator



Perfect for indoor use

A system free from fossil-fuels operating quietly makes a Banke E-PTO solution perfectly suited for urban environments, can also be used indoors



50–60 %

Lower energy consumption

100 %

Equivalent to a conventional crane

100 %

Equivalent to a conventional PTO on the gearbox

CASE STUDY

Meet Hybrid Refuse Collection Vehicle running in the picturesque city of Thun in Switzerland

The city of Thun wanted to reduce CO2 emissions and noise levels while ensuring a safe and comfortable workplace for refuse collection crews.

The solution came in the form of three new hybrids refuse collection vehicles, which have been collecting refuse in the city since the summer of 2020. Three-axel MAN TGS chassis is powered by a Euro 6 diesel engine, while Banke's TM56 electric PTOs power Stummer refuse compaction body.



Read more about
the case study



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