For an emission free world

Electric Machine Portfolio Paving and Compaction



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It’s only just begun

Dynapac’s Z.ERA Program

Shaping the Future of 100% Emission-Free Road Construction with Our Electric Machine Portfolio.



Dynapac's Z.ERA program is driving our commitment to an emission-free workplace. Through continuous investment and advancements in alternative energy sources like battery-powered engines, we are accelerating this transformation.

With the Z.ERA program, Dynapac is accelerating the transition to an fossil free machine portfolio. We started with inner-city job sites, where battery-powered machines offer a sustainable and efficient alternative to diesel. Lower emissions, less noise, reduced operating costs, and minimal maintenance are just a few of the advantages.

JOURNEY 2030 – Sustainability Goals and Future Vision for Dynapac

Our mission is to offer 50% of our productrange fossil-free by 2030, helping us achieve our sustainability goals while also supporting customers in meeting stringent emission regulations in tenders.
Dynapac's commitment to innovation and sustainability ensures we are leading the way towards a cleaner, more efficient future in road construction.

Dynapap is the World Leader of Full Electric Road Construction Machines

- Highway Paver SD25 80C e
- City Paver SD1800W e

- Soil Roller CA1300D e
- Asphalt Roller CC900 e, CC1000 e, CC1100 e, CC1200 e

- Electric Light Equipment

Z.ERA



Z.ERA CC900 e and SD1800W e City Paver Jobiste Conway UK


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SD25 80C e

The Sound of Silence

Dynapac SD25 Electric Highway Paver Series

Environment and personal health in focus – Dynapac's first fully electric highway paver reduces noise emissions by up to 20%.

Versatility & Performance – The Future of Paving

The SD25 80C e is the first step towards a zero-emission future, offering an environmentally friendly solution without compromising on functionality or performance.
You will have the same high-quality paving experience, whether using the electric or conventional version. With a focus on innovation and sustainability, this series sets new standards in the industry.

The Dynapac Bypass - Screed Heating while recharging.

While connected to the grid, the SD25 80C e can heat the screed directly during the recharging process, ensuring seamless operation and energy efficiency. The Dynapac Bypass System is a perfect example of our commitment to creating smart solutions that not only maximize efficiency but also simplify operations for you

Your Health at the Forefront

With zero emissions and 20% reduced noise, the SD25 80C e offers you a more comfortable and healthier working environment. You'll experience less noise, cleaner air, and a smoother workday—while also benefiting the surrounding area.

The Future of Road Construction is Electric.

- 800 t/h asphalt throughput
- 20% quieter
- 3x more efficient than diesel
- Quick charging in 40 min

8 hours
operation time

Innovating for Tomorrow

We believe in the power of innovation. Moving towards an emission-free future, we introduce three new roller prototypes.

New Electric Rollers for Larger Worksites



Extended Range

Designed for larger construction projects, such as compacting behind a paver. These prototypes offer double the battery life of smaller electric versions, with 30 usable kWh. They feature advanced options, and a combi variant will be available, extending the range of applications.

Efficiency Eccentrics

With Dynapac's patented Efficiency Eccentrics, your machine reduces the energy required at vibration start-up by 50%. This technology enhance performance while minimizing energy consumption. By lowering start-up energy, the system also reduces wear and tear on your machine.

Our Very First Electric Soil Roller



7 hours

Operating hours (up to)

A New Era in Soil Compaction

After analyzing over 400 diesel-powered machines and accumulating nearly 200,000 hours of operational data, we are proud to showcase one of the first electric soil rollers equipped with both smooth and padfoot drums. This innovative machine is designed to provide our customers with an exceptional soil compaction experience.

The vibration is now directly driven by an electric motor, eliminating energy loss from hydraulic systems and improving machine run time and efficiency by 15%. With fewer service points, the need for maintenance and service intervals are reduced. These improvements ensure the machine can operate efficiently throughout the entire day.

Urban Hymn

SD1800W e

The world’s first electric City Paver outperforms conventional pavers in urban areas – emission-free and quiet.

First mover in electric paving

- 350 t/h asphalt capacity
- Quick charging in 40 min
- Up to 6 hours operation time

Small turning radius

Working Width

1.75 m

As the world’s first electric City Paver in operation, the SD1800W e is ideal for urban construction sites. Already successfully in use in Scandinavia, Germany, UK, China and other countries, it is the perfect solution when you have special requirements for noise reduction and emission-free operation.

Not only does it meet the most demanding standards in tenders, but it also ensures a more comfortable working experience for the operator, making it the ideal choice for projects that prioritize both sustainability and user well-being.

And of course: The same Paving Quality as in Highway Class.


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Uninterrupted Power

As powerful as their diesel counterparts, Z.ERA electric rollers don’t compromise on productivity or job site performance. The added bonus is a quieter work environment and zero emissions.



Jobsite Confidence

The Z.ERA rollers offer numerous advantages, including a reduced carbon footprint, lower operating costs, and fewer maintenance points. The quieter workspace and absence of exhaust fumes greatly improve operator comfort and productivity, making the rollers outstanding.

A Full Work Day

The machines are equipped with a powerful 14.8 kWh battery, allowing for a full day of operation. This means you can expect up to 10 hours of work for rollers of this size. Whether handling long projects or multiple tasks, our reliable battery keeps you going without interruptions.

New Features

The machines have been upgraded and now feature LED driving and working lights, enhancing both energy efficiency and visibility. Additionally, the integrated charger and lockable cable storage box make charging simple and convenient, no matter where your work takes you.

Quick Recharge

20–80% in 1,3 h with a fast charger (400V, 3 phase).

20–80% in 6 h with a standard charger (110V/230V, 1 phase).

1.3 h
With fast charger



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Decarbonization
Commitment

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