



Tesmec launches its first electric trencher concept

Tesmec, Italian group leader in the design, production and sell of solutions for transport of energy, materials and data, is launching its first electric trencher concept at Bauma 2022.

The e-Sidecut is the prototype version with full electric power supply of a sidecut sc4p, a small trencher for optical fibre excavations in urban areas.

E-Sidecut mounts a 358Vdc electric power pack that recharges in 12 hours (230V @ 16A) or 4 hours 3H (400V @ 32A). The electric motor works with an operating speed of 3000 rpm, it has a continuous power of 42 kW@ 3000 rpm (60 kW @ 5000 rpm), water cooling. The new electric modular architecture doubles the tank to wheel efficiency compared to traditional machine based on combustion engine and reduces the acoustic impact. The cost of work using electricity costs less than using fossil fuel.

This green trencher prototype developed by Tesmec fits into the path of full electric machines already started in the field of underground stringing, expanding the range of zero-emission solutions for urban cable-laying sites.

"In the trencher industry this is the first step towards the concept of an extensive range of trenchers for urban application", declares Marco Paredi, Trencher Business Unit Director. "These are objectives outlined in the Tesmec sustainability path and in line with the Group's ESG strategy, which sees the prioritization of a green approach across all product lines. Bauma, with its sensitivity to "the way to zero emissions" as an objective for the construction machinery industry, is the ideal place to present our strategy and achievements to the market."

Tesmec Group

Tesmec Group is active in the design, production and marketing of systems and integrated solutions for the construction, maintenance and diagnostics of infrastructures (overhead, underground and railway networks) for the transport of energy, data and materials (oil and derivatives, gas and water), as well as technologies for quarries and surface mining. The Group operates in the following sectors: - **Energy**. Tesmec Group designs, manufactures and markets machines and integrated systems for the construction and maintenance of overhead and underground power lines, fibre optic networks (Stringing segment), as well as advanced equipment and systems for the automation, efficiency, management and monitoring of high, medium and low voltage electrical networks and substations (Energy Automation Segment); - **Trencher**. Tesmec Group carries out the design, production, sale and rental of trencher machines functional to four types of activities (excavation and mines, excavations for the installation of pipelines, for the construction of telecommunication and optical fibre infrastructures, excavations for the construction of underground power networks), as well as the provision of specialized excavation services. The trencher machines are rented by the Group both with the operator (hot rental or wet rental) and without the operator (cold rental or dry rental); - **Railway**. The Group designs, manufactures and markets machines and integrated systems for the installation and maintenance of the railway catenary, devices for the diagnostics of the railway catenary and track, as well as customized machines for special operations on the line.

Born in Italy in 1951 and led by the Chairman and CEO Ambrogio Caccia Dominioni, the Group counts on more than 900 employees and has its production sites in Grassobbio (Bergamo), Endine Gaiano (Bergamo), Sirone (Lecco), Monopoli (Bari) and Bitetto (Bari) in Italy, Alvarado (Texas) in the USA and Durtal in France. It relies on three research and development units in Fidenza (Parma), Padua and Patrica (Frosinone). Listed on the Milan Euronext STAR segment of the MTA Market of the Italian Stock Exchange, the Group boasts a global commercial presence through foreign subsidiaries and sales offices in the USA, in South Africa, West Africa, Australia, New Zealand, Russia, Qatar and China.

In its development strategy, the Group intends to consolidate its position as a solution provider in the three abovementioned business areas, by exploiting the trends of energy transition, digitalization, and sustainability.