

Europe Piling Machines Market Size and Forecast (2021 - 2031), Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Type (Impact Hammers, Piling Rigs, Micro Piling Rigs, Vibratory Drivers, Trench Cutter, Diaphragm Walls, and Others), Method (Vibro Piling, Drilling, and Driven Piling), and Country

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Abstracts

The Europe piling machines market size is projected to reach US\$ 3,375.54 million by 2031 from US\$ 2,248.32 million in 2023; the market is expected to register a CAGR of 5.2% during 2023–2031.

Based on product, the Europe piling machines market is segmented into impact hammers, piling rigs, micro piling rigs, vibratory drivers, trench cutters, diaphragm walls, and others (soil mixing equipment). In 2022, the piling rigs segment dominated the Europe piling machine market, whereas the micro piling rigs segment is projected to register the highest CAGR during the forecast period. Based on method, the Europe piling machines market is segmented into vibro piling, drilling, and driven piling. In 2022, the drilling segment dominated the Europe piling machine market, whereas the driven piling segment is anticipated to record the highest CAGR during the forecast period. Several piling machines include hydraulic pile drivers, vibratory hammers, and impact hammers. Hydraulic pile drivers use hydraulic power to drive piles into the ground, while vibratory hammers use vibrations to loosen the soil and drive the pile down. Impact hammers use a large weight to strike the pile and force it into the ground. Piling machines are highly specialized equipment requiring skilled operators to ensure safe and efficient operation. They can be operated on land or water and are often used with other construction equipment, such as cranes and excavators.

Manufacturers of piling machines are focusing on improving their products in order to enhance productivity and offer environmentally friendly goods. For instance, due to environmental concerns, hydraulic hammers are replaced by diesel hammers. The hydrostatic pile driver is used to force the pile into the earth, and to drive the pile into the ground. As a result, it helped to reduce noise and dust pollution.

Digital technologies adoption is essential with rapid industrialization and modernisation of operations. To obtain a competitive advantage in the market, businesses are more likely to provide clients with advanced technology-based piling equipment. The players are launching several advanced technology-based piling tools in order to offer efficient piling. For instance, in March 2023, Built Robotics launched Exosystem RPD 35, the world's first fully autonomous solar piling system. RPD 35 utility-scale solar foundation piling is used to construct up to five times faster piling by bringing net zero energy. The foundation presently utilizes hydraulic rotary piling techniques for the majority of operations, and a sizable number of piling rigs are being deployed for several construction projects around the globe. Driven piling involves driving precast timber, concrete, or steel piles into the ground using a vibratory or impact pile hammer. Driven piles are a classic form of piling technique where a pile is driven into the soil, increasing its bearing capacity. Vibratory hammers use the drive piling method into a hole with heavy clays.

Junttan Oy, Bauer AG, Liebherr-Werk Nenzing GmbH, Soilmec SpA, Casagrande SpA, Comacchio SpA, ABI GmbH, IMT Srl, LeBoTec BV, and Sany Heavy Industry Co Ltd are among the key players profiled in the Europe piling machines market report. The companies implement both organic (such as product launches, expansion, and product approvals) and inorganic (such as collaborations and partnerships) strategies to stay competitive in the Europe piling machines market.

Junttan Oy, Bauer AG, Liebherr-Werk Nenzing GmbH, Soilmec SpA, Casagrande SpA, Comacchio SpA, ABI GmbH, IMT Srl, LeBoTec BV, and Sany Heavy Industry Co Ltd are among the key Europe piling machines market players profiled during the market study. In addition, several other important Europe piling machines market players operating in the ecosystem were studied and analyzed during this market research study to get a holistic overview of the Europe piling machines market.

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