



INNOSIS

BUILDING THE FUTURE WITH INNOVATION



CONSTRUCTION MACHINERY SOLUTIONS

QUANTUM 1000

Pile Driving Machine

It is a machine that performs pre-drilling with DTH, ground screwing, core hole drilling for asphalt, and hole drilling with drill and auger for hard ground with high efficiency.

Engine:	Yanmar4TNV88C / Stage V / 35,4 Kw (47,5 Hp)
Maximum Post Height:	4500 mm
Hydraulic Hammer Power:	1200 Joule
Hydraulic Hammer Weight:	450 kg
Hydraulic Hammer Number of Blows Per Minute:	570 ÷ 1180 n/min.
Hydraulic System Flow Rate:	70 ÷ 100L/min.
Hydraulic Oil Tank Capacity:	160L
Diesel Tank Capacity:	60L
Operating Pressure:	180 Bar
Elektrical System:	12 V
Travel Speed (Double Speed):	2,2 - 4,5 km/h
Transport Dimension(LxWxH):	3450 mm x 2100 mm x 2200 mm
Total Weight:	4500 kg



ACCESSORIES ON REQUEST

Gps

Remote Control

Automatic Levelling System

DTH Kit

Auger Kit

System For The Screwing

Blade Raiser

ACCESSORIES

HYDRAULIC AUGER



HYDRAULIC AUGER

Quantum Hydraulic Earth Auger is a highly efficient tool designed for excavation in various terrains and soil types.

The auger operates both clockwise and counterclockwise.

Hole diameters can be customized between 100 mm and 450 mm, while the shaft length can be produced up to 3 meters.

ACCESSORIES

DTH HAMMERS



DTH HAMMERS

The QUANTUM DTH Hammers are designed to optimize the use of compressed air flow and incorporate the most efficient materials for each component. They are capable of drilling through compacted soil, rock, and concrete. Hole diameters can be customized between 2 inches and 10 inches, with shaft lengths available up to 3 meters.

DTH Size (inch)

Drill Bit Range

2"	65mm - 80mm
3"	85mm - 105mm
3,5"	95mm - 105mm
4"	110mm - 130mm
5"	127mm - 152mm
6"	152mm - 203mm
8"	203mm - 254mm
10"	254mm - 305mm



ACCESSORIES

A smaller, semi-transparent version of the iNNOSIS logo, consisting of the shield icon and the word 'iNNOSIS'.

BLADE RAISER

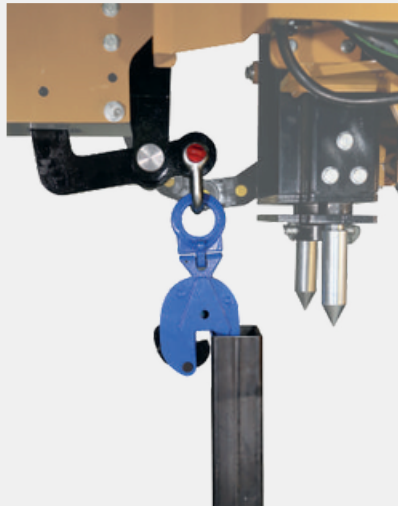
The Quantum Barrier Mounting attachment streamlines the installation of steel beam guard rails, improving efficiency and precision. Designed for use with crawler-mounted pile drivers, the system begins with barrier segments being bolted together and placed on the ground. Once attached, the Quantum Barrier Mounting attachment lifts the segments, facilitating their positioning and ensuring accurate alignment for blade placement.

This allows piles to be securely installed into the ground and bolted to the rail with ease, reducing manual labor and enhancing safety on-site.



EXTRACTOR KIT

The Quantum Extractor Kit is an impact-driven system designed to quickly and safely remove stuck piles from compact soil, rock, or concrete. With durable materials and a modular design for various pile sizes, it ensures efficient, reliable performance for construction and infrastructure projects.



ACCESSORIES



REMOTE CONTROL

The Quantum Remote Control is a custom-engineered system designed to provide seamless control over all machine functions with unmatched precision and ease. Featuring a long-lasting battery with up to 10 hours of operation on a single charge, it ensures uninterrupted performance for demanding tasks. Its ergonomic design and intuitive interface allow operators to manage complex operations efficiently, enhancing productivity and safety across various applications.



AUTO-LEVELING

The Quantum Extractor Kit is an impact-driven system designed to quickly and safely remove stuck piles from compact soil, rock, or concrete. With durable materials and a modular design for various pile sizes, it ensures efficient, reliable performance for construction and infrastructure projects.



ACCESSORIES

GPS SYSTEM



GPS SYSTEM

The Quantum GPS System can be retrofitted to your existing pile driver to enhance the accuracy and efficiency of pile installation for solar farm projects. Equipped with advanced GPS guidance, it uses your project's CAD design data to precisely locate pile points, eliminating the need for surveyors to mark individual stakes. The system also offers full autonomous functionality, enabling self-driving and auto-positioning of the pile driver at target locations. This streamlined process accelerates pile installation, saving both time and money.

