



innosis

BUILDING THE FUTURE WITH INNOVATION



CONSTRUCTION MACHINERY SOLUTIONS



innosis

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About Us

With our innovative and solution-oriented team, we offer modern and effective solutions to our customers using the latest technologies. We aim to maximize customer satisfaction with after-sales support.

With our young and dynamic structure, we constantly improve the quality of our products and produce pioneering solutions in the sector to fully meet the needs of our customers.

In addition to the machines in our portfolio, we offer flexible and personalized solutions by designing and manufacturing machines suitable for special needs in line with the demands of our customers.



WORKSPACES



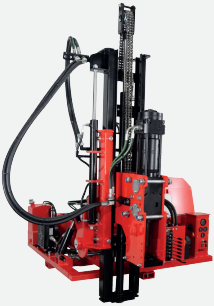
QUANTUM SERIES



**QUANTUM 400
(SKID LOADER)**



QUANTUM 1000



**QUANTUM 500T
(TRUCK MOUNTED)**



QUANTUM 1200



**QUANTUM 600
(SCREW DRIVER)**



QUANTUM 1400



QUANTUM 800



QUANTUM 1500

QUANTUM 400 (SKID LOADER)

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.

| | |
|---|-----------------------------|
| Maximun Post Height: | 2600 mm |
| Hydraulic Hammer Power: | 950 Joule |
| Hydraulic Hammer Weight: | 260 kg |
| Hydraulic Hammer Number of Blows Per Minute: | 620 ÷ 1500 n/min. |
| Required Oil: | 30-60 l/min. |
| Required Pressure: | 120-150 bar |
| Transport Dimension(LxWxH): | 2600 mm x 1600 mm x 1800 mm |
| Total Weight: | 1500 Kg |



ACCESSORIES ON REQUEST

Automatic Levelling System

DTH Kit

Auger Kit

Hydraulic Hammer Weight
System For The Screwing

Required Oil

Required Pressure

Blade Raiser



QUANTUM 500T (TRUCK MOUNTED)

Pile Driving Machine

It is designed for the driving of solar panels that produce safe electricity, driving of safety barriers on highways, driving of fences, in construction projects and for various purposes.

This pile driver drives the poles with great precision thanks to its compact design, durability and easy use.

| | |
|--|---|
| Engine: | Yanmar 4TNV88/ Stage III 35,4 Kw (47,5 Hp) |
| Maximum Post Height: | 2700 mm |
| Hydraulic Hammer Power: | 950 Joule |
| Hydraulic Hammer Weight | 260 Kg |
| Hydraulic Hammer Number of Blows Per Minute | 620 ÷ 1500 n/min. |
| Hydraulic System Flow Rate | 70 ÷ 100 l/min. |
| Hydraulic Oil Tank Capacity | 80L |
| Diesel Tank Capacity | 40L |
| Operating Pressure | 180 Bar |
| Elektrical System | 12 V |
| Transport Dimensions: | 1100mm x 1900mm x 1800mm |
| Total Weight | 1850 Kg 4078 lbs |

ACCESSORIES ON REQUEST

Automatic Levelling System

DTH Kit

Auger Kit

Blade Raiser

System For The Screwing

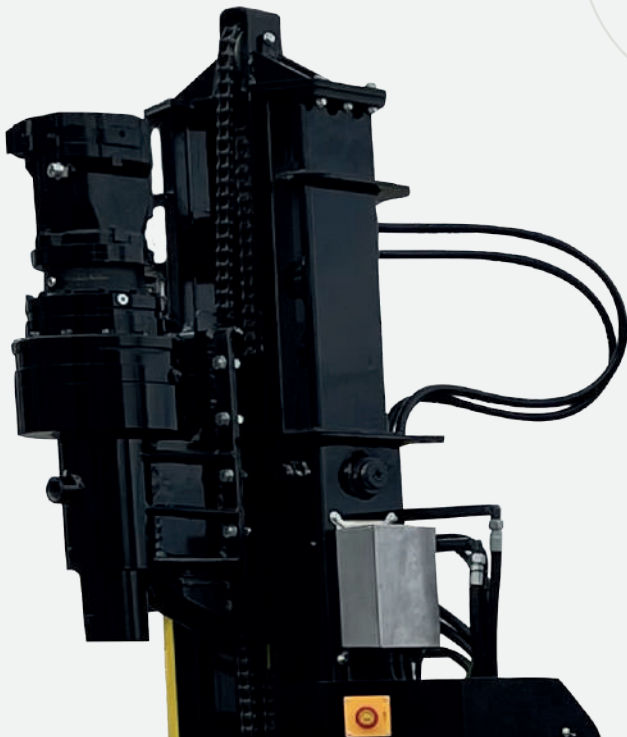


QUANTUM 600 (SCREW DRIVER)

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: | Yanmar 4TNV88C / Stage V 35,4 Kw (47,5 Hp) |
| Maximum Post Height: | 2900 mm |
| Hydraulic Screw Motor Torque: | 3000/6000/8000 Nm |
| Hydraulic Screw Motor rpm (Double Speed): | 40/80 rpm |
| Hydraulic System Flow Rate: | 70 ÷ 100 l/min. |
| Hydraulic Oil Tank Capacity: | 100L |
| Diesel Tank Capacity: | 40L |
| Operating Pressure: | 180 Bar |
| Elektrical System: | 12 V |
| Travel Speed: | 3 km/h |
| Transport Dimension(LxWxH): | 2000 mm x 1750 mm x 2030 mm |
| Total Weight: | 2500 kg |



ACCESSORIES ON REQUEST

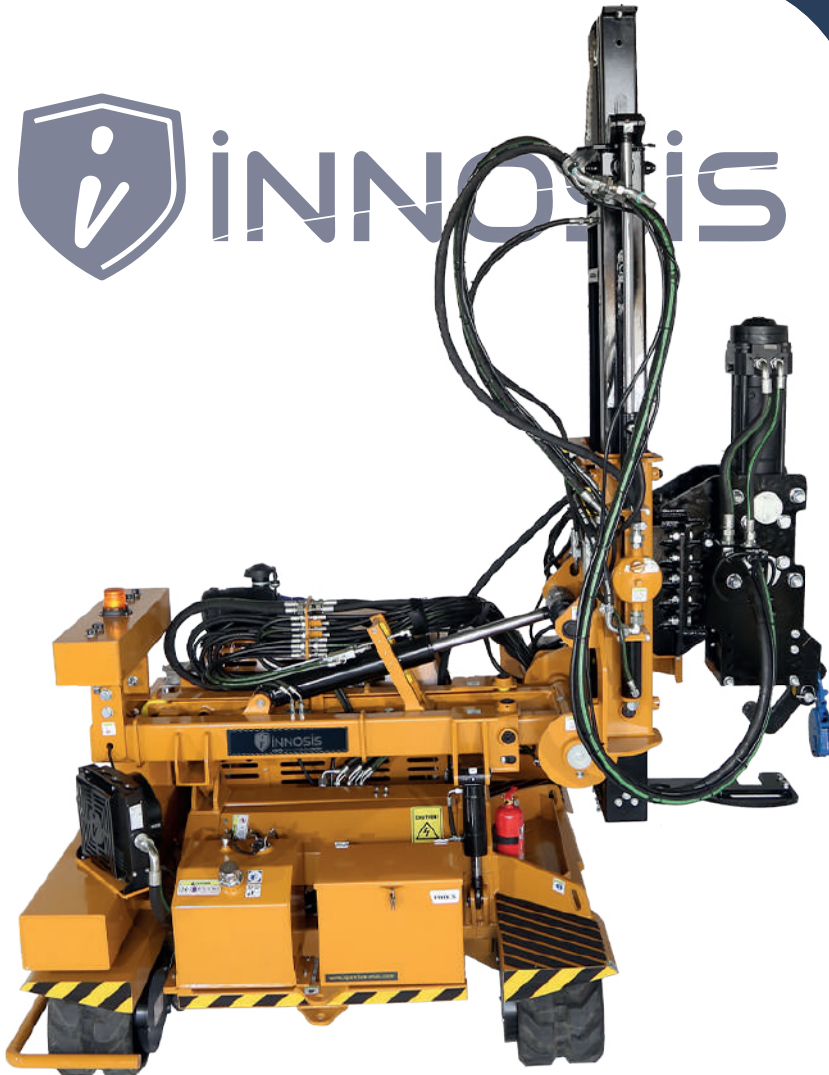
Gps

Remote Control

Automatic Levelling System

DTH Kit

Auger Kit



QUANTUM 800

Pile Driving Machine

It is designed for the driving of solar panels that produce safe electricity, driving of safety barriers on highways, driving of fences, in construction projects and for various purposes.

This pile driver drives the poles with great precision thanks to its compact design, durability and easy use.

| | |
|---|--|
| Engine: | Yanmar 4TNV88C/ Stage V / 35,4 Kw (47,5 Hp) |
| Maximum Post Height: | 3500 mm |
| Hydraulic Hammer Power: | 950 joule |
| Hydraulic Hammer Weight: | 400 Kg |
| Hydraulic Hammer Number of Blows Per Minute: | 620 ÷ 1500 n/min. |
| Hydraulic System Flow Rate: | 70 ÷ 100L/min. |
| Hydraulic Oil Tank Capacity: | 150L |
| Diesel Tank Capacity: | 60L |
| Operating Pressure: | 180 Bar |
| Elektrical System: | 12 V |
| Transport Dimension:(LxWxH) | 3700 mm x 2120 mm x 2240 mm |
| Travel Speed: | 3 km/h |
| Total Weight: | 3250 kg |

ACCESSORIES ON REQUEST



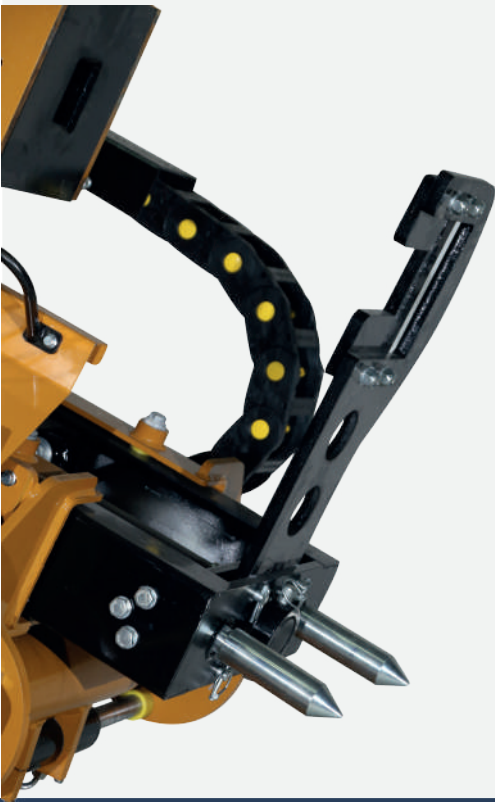
| |
|----------------------------|
| Gps |
| Remote Control |
| Automatic Levelling System |
| DTH Kit |
| Auger Kit |
| System For The Screwing |
| Blade Raiser |

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 |



QUANTUM 1200

Pile Driving Machine

It is designed for the driving of solar panels that produce safe electricity, driving of safety barriers on highways, driving of fences, in construction projects and for various purposes.

This pile driver drives the poles with great precision thanks to its compact design, durability and easy use.

| | |
|---|---|
| Engine: | Yanmar 4TNV88C / Stage V 35,4 Kw (47,5 Hp) |
| Maximum Post Height: | 6000 mm |
| Hydraulic Hammer Power: | 1500 Joule |
| Hydraulic Hammer Weight: | 500 kg |
| Hydraulic Hammer Number of Blows Per Minute: | 450 ÷ 980 n/min |
| Hydraulic System Flow Rate: | 80 ÷ 120 l/min. |
| Hydraulic Oil Tank Capacity: | 180 L |
| Diesel Tank Capacity: | 60 L |
| Operating Pressure: | 180 Bar |
| Elektrical System: | 12 V |
| Travel Speed (Double Speed): | 2,2 - 4,5 km/h |
| Transport Dimension(LxWxH): | 3875 mm x 2100 mm x 2440 mm |
| Total Weight: | 4750 kg |

ACCESSORIES ON REQUEST

| |
|----------------------------|
| Gps |
| Remote Control |
| Automatic Levelling System |
| DTH Kit |
| Auger Kit |
| System For The Screwing |
| Blade Raiser |



QUANTUM 1400

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: | YANMAR 4TNV98C/ Stage V / 51,7 Kw (70 Hp) |
| Maximum Post Height: | 8000 mm |
| Hydraulic Hammer Power: | 1750 Joule |
| Hydraulic Hammer Weight: | 600 kg |
| Hydraulic Hammer Number of Blows Per Minute: | 420 ÷ 1000 n/min. |
| Hydraulic System Flow Rate: | 80 ÷ 120L/min. |
| Hydraulic Oil Tank Capacity: | 200 L |
| Diesel Tank Capacity: | 80 L |
| Operating Pressure: | 180 Bar |
| Elektrical System: | 12 V |
| Travel Speed (Double Speed): | 2,2 - 4,5 km/h |
| Transport Dimension(LxWxH): | 6000 mm x 2250 mm x 2400 mm |
| Total Weight: | 6500 kg |

ACCESSORIES ON REQUEST

| |
|----------------------------|
| Gps |
| Remote Control |
| Automatic Levelling System |
| DTH Kit |
| Auger Kit |
| System For The Screwing |
| Blade Raiser |



QUANTUM 1500

Pile Placer

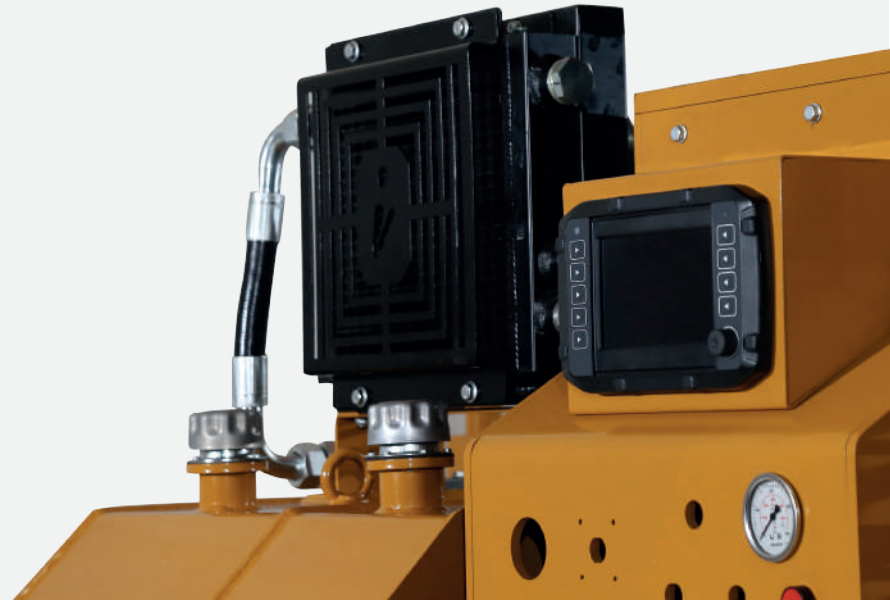
The Quantum 1500 features a magnetic lifting system that securely transports and automatically positions piles, eliminating manual handling. This enhances safety, efficiency, and precision, making it ideal for demanding construction projects while saving time and reducing labor costs.

| | |
|--|---|
| Engine: | Yanmar 4TNV88C / Stage V 35,4 Kw (47,5 Hp) |
| Hydraulic Movement Arm With Magnetic Head Lifting Capacity: | 205 Kg |
| Hydraulic System Flow Rate: | 70 ÷ 100L/min. |
| Hydraulic Oil Tank Capacity: | 90L |
| Diesel Tank Capacity: | 70L |
| Operating Pressure: | 180 Bar |
| Elektrical System: | 12 V |
| Travel Speed (Double Speed): | 2,2 - 4,5 km/h |
| Transport Dimension(LxWxH): | 3500 mm x 2200 mm x 2400 mm |
| Total Weight: | 4000 Kg |
| Total Weight (Full Loaded): | 8535 Kg |



ACCESSORIES ON REQUEST

Gps



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

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BLADE RAISER

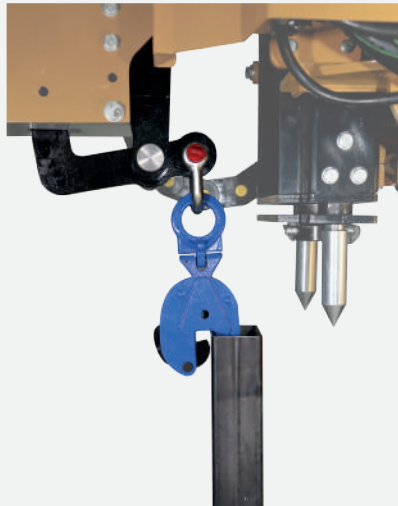
The Quantum Barrier Mounting attachment streamlines the installation of steel beam guard rails, improving efficiency and precision. Designed for use with crawler-mounted pile drivers, the system begins with barrier segments being bolted together and placed on the ground. Once attached, the Quantum Barrier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



ACCESSORIES

GPS SYSTEM

By fitting the Semi Autonomous option to your machine, the system will be able to drive your machine to each pile point location with just a push of a button. The system can also control your mast and hammer to ensure that it positions itself exactly over the target pile location. The system is also equipped with a height sensor so that it can install your piles to the desired height without requiring string lines or lasers.

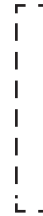
AUTONOMOUS SYSTEM: THREE EASY STEPS



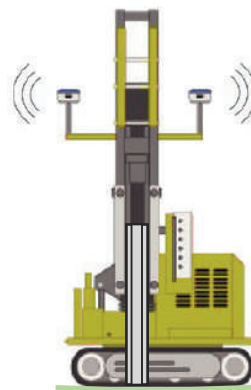
The GPS System locates and self-drives your machine to a pile point location



Target Pile Location

**1**

The GPS System will auto-position the mast and hammer precisely over the target point.

2

Operator manually loads a pile under the hammer. The GPS System then installs the pile to the correct height

3

CERTIFICATES





OUR GLOBAL PRESENCE

INNOSIS Machinery is preferred across a wide range of regions, from the United States to Brazil and Kazakhstan.

With a rapidly growing global distributor network, we are becoming a larger international family every day, currently operating in over 20 countries. Through the delivery of high-quality products and customer-focused services, INNOSIS is recognized as a reliable business partner in diverse regions and aims to become one of the leading players in the global market.

Notes:

Notes:



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