



# PRODUCT CATALOG

PILE DRIVERS

**Company data  
and contact**

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# PILE DRIVER

The increase in the demand for solar energy in recent years and the rapid growth in the sector have created the need for speed and precision in the installation of solar energy systems. TIMAK has developed solar pile drivers to meet this need in the sector. It is specially designed to be operated in large solar panel fields as easy to use, fast, high precision.

**DURABLE.  
EFICIENT.**



**100%**  
MADE IN ALBANIA

## TIMAK Pile Drivers for every purpose!

Our equipment is designed in accordance with the needs of our customers and is produced in the best quality and the most suitable features to meet the needs.



**01** GUARDRAIL  
PILE DRIVER  
MACHINE

Guardrail pile driver machine is specially designed for driving the highway poles required within the scope of Highway Road Safety precautionary works. It offers a professional solution in accordance with the required power and other features for the installation of signs, barriers and guardrails used on highways.

### Standard Equipment

Vtrack Rubber Tracks

Proportional command trough 9 levels

Hydraulic oil heat exchanger

DEUTZ diesel engine, air cooled, 3 cylinders, 34 kW (HP 45.6) @2800rpm

Hydraulic oil tank capacity 80 lt and level indicator

Hydraulic Hammer, INAN MAKINA (Working Weight 300 kg, 840 Joule, 390-1000 beats, min)

Diesel oil tank capacity 80 lt and level indicator

Maximum post dimension 160x120 mm

Maximum Post Height 2.8m

Auxiliary coupling for attachments

Hook for pile extraction

Transport dimensions 2.7x 2.0x 1.9

Weight 3.2 ton

Grappling hooks for machine loading and unloading

Column inclination both transverse and longitudinal +/- 15

### Optional Equipment

Automatic leveling the column

Kubota liquid cooled diesel engine, 4 cylinders, 35.9 kW (HP48.1) @2800 rpm



Notes: Images are for illustrative purposes only and may appear different to the actual vehicle.

# PILE DRIVER MACHINE IS STABLE & COMPACT





**02** SOLAR PILE DRIVER MACHINE

Solar pile driver is a machine used to drive poles into the ground to lay foundation for the solar panel. The vibrating hammer on the vertically movable guides is driven by hydraulic motors powered by the diesel engine on the machine. Vertical vibrations are transmitted to the pile and driving into ground is performed, while horizontal vibrations are damped to ensure stable operation of the machine.

**Standard Equipment**

Vtrack Rubber Tracks

Proportional command trough 8 levels

Hydraulic oil heat exchanger

DEUTZ diesel engine, air cooled, 3 cylinders, 34 kW (HP 45.6) @2800rpm

Hydraulic oil tank capacity 80 lt and level indicator

Hydraulic Hammer, INAN MAKINA (Working Weight 490 kg, 1060 Joule, 500-900 beats/min)

Maximum post dimension 160x120 mm

Maximum Post Height 3.9m

Auxiliary coupling for attachments

Hook for pile extraction

Transport dimensions 3.4x 2.0x 1.9

Weight 3.7 ton

Grappling hooks for machine loading and unloading



**Production Stage**

The production stage of a solar pile driver involves the manufacturing and assembly of the components that make up the machine. This includes the hydraulic system, solar panel system, and other parts needed for the pile driving process.

The components are carefully designed, tested, and inspected to ensure that they meet the necessary specifications and requirements for the machine.



Once the components are manufactured and assembled, the solar pile driver undergoes a series of rigorous tests to ensure that it is functioning properly and is safe to use. Once the machine passes all the necessary tests, it is ready for use in construction projects that require pile driving.

# 03 DRILLING MACHINE



## Standard Equipment

- Vtrack Rubber Tracks
- Propotional command trough 8 levels
- Hydraulic oil heat exchanger
- DEUTZ diesel engine, air cooled,3 cylinders, 34 kW (HP 45.6) @2800rpm
- Hydraulic oil tank capacity 80 lt and level indicator
- Hydraulic Hammer, INAN MAKINA (Working Weight 490 kg,1060 Joule,500-900 beats/min)
- Diesel oil tank capacity 80 lt and level indicator

# HIGH PRECISION

The Downhole Drill Equipment is a special equipment that can be applied on the Self Propelled Pile driving machine for the drilling of road pavement in every hard condition. The Downhole drill hammer drills every kind of soil, reinforced concrete, rock and granite.



# THANK YOU!

The company reserves the right to change the vehicle specifications and features described in this publication at any time. Vehicle specifications and features may vary in different markets. Images are for illustrative purposes only and may appear different to the actual vehicle.

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