



Expert help a call away!

☎ 877-219-1962 Toll Free

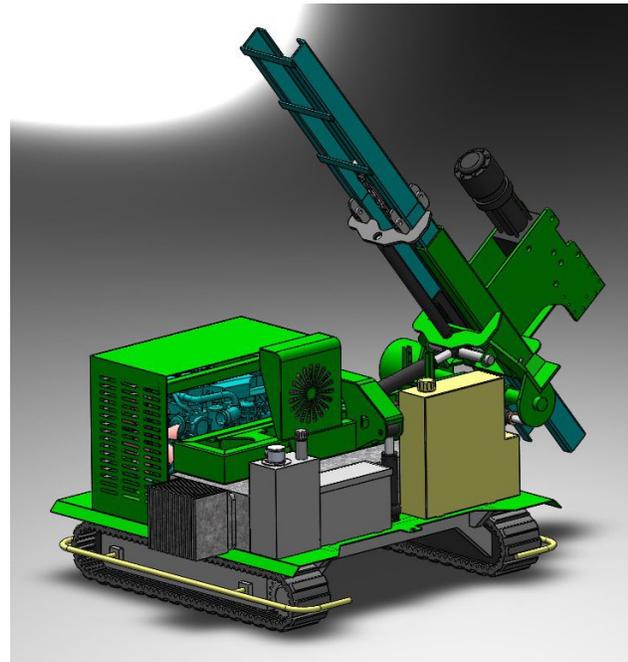
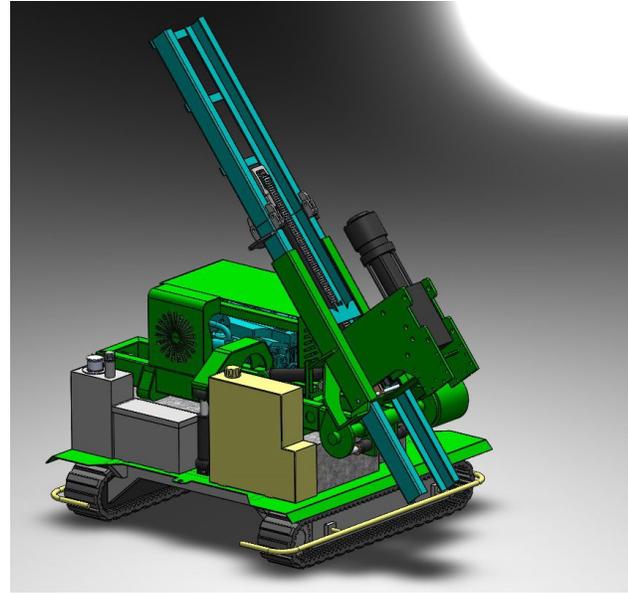
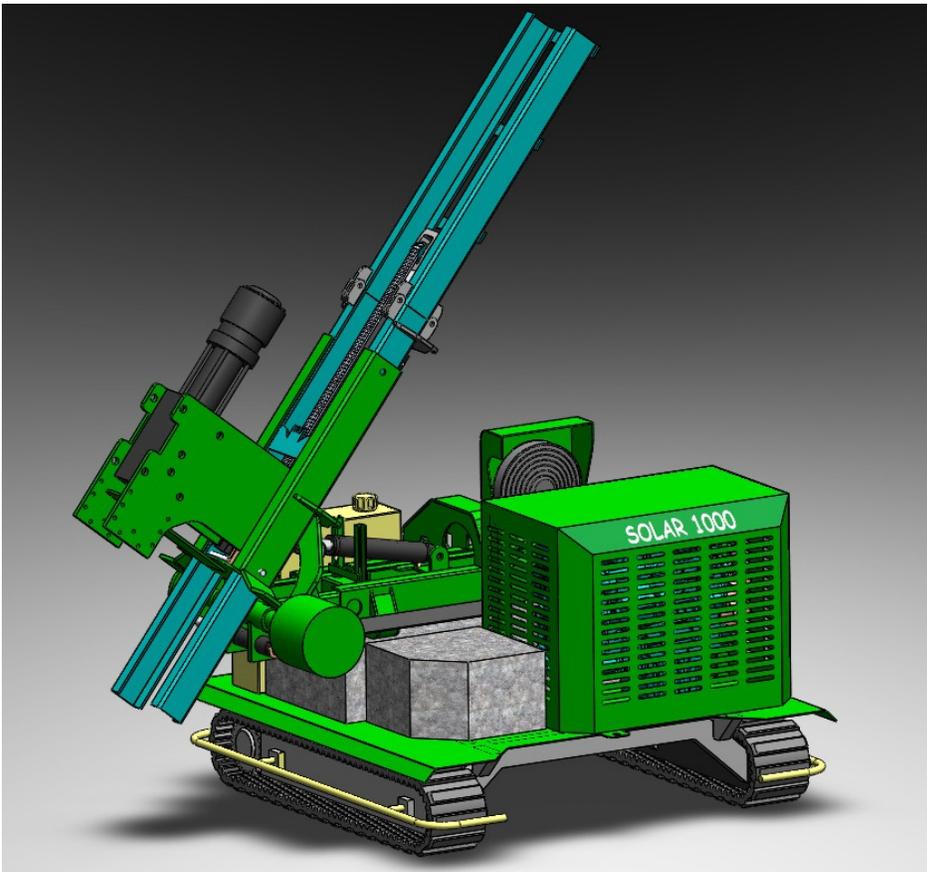
✉ Info@iai-usa.com

🌐 iai-usa.com

USA/ Canada and Mexico , South America Sales and Service

SOLAR 1000

SOLAR PILAR DRIVER

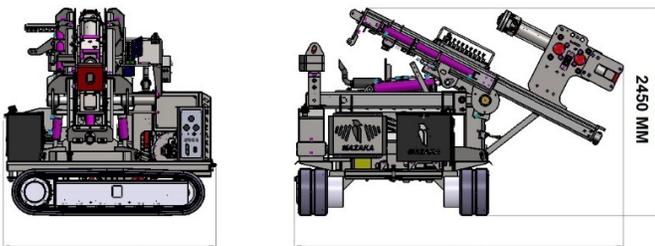


International Attachments Inc. The Solar1000 Self Propelled Solar Pile Driver. This model drives steel piles for solar plants/farms. These pile drivers are built with quality components from reputable, globally recognized brands. Every component is individually selected and evaluated to ensure you are getting the very best, most efficient, reliable and productive options available. These machines can be customized to meet your pile driving requirements. We also have a range of attachments including GPS systems designed for accurate and fast solar pile installation.



Work

These pile drivers are strengthened with Kubota diesel engines. These engines are water cooled to ensure reliability, lower servicing, running and maintenance costs. By using a hydraulically driven oil cooler radiator, the working performance of hydraulic oil is increased. The Kubota branded hydraulic hammers, originally designed for the demolition industry, are the best in the industry and built to last. The motors and hydraulic systems have been specifically designed and built to enable all day operation in all environments.



Compact

The 1000 model Pile Driver has been designed with a compact footprint. This is ideal for transportation and minimizes environmental disruption. The efficient size of this machine also enables it to be used in small spaces, so narrow PV lines are no problem. Extendable masts provide the ability to drive extra length piles.

Control



The Solar1000 range of pile drivers are designed with the operator in mind. The control panel is positioned to allow the operator a full and clear view of the entire operating process, this visibility also ensures accuracy with pile installation.



Land Applications

The Solar1000 Solar Pile Driver is designed for high performance, even on undulating, uneven ground. The low centre of gravity gives the machine stability and wide rubber tracks provide great traction, less bogging and less environmental destruction. Optional accessories increase the machines flexibility, enabling penetration into all ground types. The hammer boom can be inclined +10 to -41 degrees for angled pile installation or extraction of piles. The lateral inclination of +10 to -10 degrees also increases the machines flexibility.

Safety

The Solar1000 pile driver range is built to exceed the strict American and European Safety Standards - 2006/42/EC and 2004/108/EC. Safety features include: recessed panel and key lock out to prevent unauthorised or accidental operation, highly visible and easily accessible emergency button to shut down the entire machine operations, high quality hydraulic hoses and fittings eliminate any unexpected contact with hydraulic fluids and anti drop valves of the hydraulic system prevent any uncontrolled movement if the hydraulic pressure ever fails.

Standard Equipment

- Bridgestone S4/17 rubber tracks.
- Machine positioning, danfoss proportional modular distributor through 9 levels.
- Hydrostatic system with cast iron pump and flow rate 120L/min @ 190 bar.
- Hydraulic oil heat exchanger.
- Hydraulic oil tank capacity 53 Gallons and level indicator.
- Diesel oil tank capacity 100L (26.4gal) with fuel gauge. Column inclination both transverse and longitudinal +/-15.
- Maximal horizontal slide movement column 800mm (31.5').
- Lateral column movement +/-280mm (11').
- Reversible post guide on column, driving the post in both directions.
- Maximum post dimension: 160x120mm (6.3' x 4.7').
- Maximum post height : 15 feet/ optional 19'
- Hammerhead and template to suit your post. Transport dimensions approx 2.5m x 2.28 x 2.28m

MODEL		1000
KUBOTA		S4Q2
Engine Power (2500 rpm)	HP	50
Hammer	joules	1060
Hammer	n	500-900
Hammer Oil Flow	GPM	13/26
Hammer Pressure	bar	60/120
Hammer Height	Feet	15'
Hammer	LwA (dB)	130
Oil Tank	Gallons	52
Fuel Tank Diesel	Gallons	26
Weight	Lbs	9150
Battery	v/a	12/80
Tow Bar		Standard
Toolboxes Kit		Standard

Optional Equipment

Laser

If you are driving piles normally these are driven to the correct height to a string line, today we have the latest professional laser leveling system that fits to your hammer. Working range is 635m and the accuracy is +/-3mm



Post Extractor

The Post Extractor makes the removal of damaged or incorrectly placed posts fast and easy.



Auto Levelling Mast

Our powerful PLUS+1 microcontrollers bring intelligence to Mast leveling node of a distributed control system. Thanks to their rugged design, they'll withstand the toughest conditions your vehicle comes up against. Programming our microcontrollers requires minimum effort with our easy-to-learn PLUS+1 GUIDE software.

Remote Control Unit



State of the art remote system to control the movement on site, as well as loading and unloading your machine safely. The system can be expanded to work with other functions on request.

Torque Reader

The Intelli-Tork can be connected to your hydraulic screw drive unit to allow you to measure the set of your screw piles. State of the art electronics allows transmitting data to your smart device. Working range is 10,000 FT-LBs to 200,000 FT-LBs.

Rock Drill

Your pile driver can be fitted with DTH hammer rock drill. Sizes range from 65mm to 300mm diameter. All drills are fitted with a matching stock absorber to reduce the impact on the drill and the drive unit.

