

PILE DRIVER MACHINES

800 L SERIES

1000 SERIES

1200 SERIES

1400 SERIES

400/600/800 SD SERIES

500 T TRUCK MOUNTED SERIES



www.iai-usa.com

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INNOSIS manufactures and suplese a range of Quantum series post pounders/pile drivers. There are eight different models available:

BOOL / 1000 / 1200/ 1400 series:

The Quantum 800L / 1000 / 1200/ 1400 are specially designed for road safety barrier work or solar installation.

Quantum 800L installs piles of up to (10') (Guardrail/Solar)

Quantum 1000 installs piles of up to (14.7') (Solar)

Quantum 1200 installs piles of up to (20') (Solar)

Quantum 1400 installs piles of up to (26.7') (Solar)

400/600/800 Screw Drive Series:

The Quantum Solar Screw Drivers, is an effective screw piling driver with torque of 3000 to 6000Nm drive motor. It has a custom built connection plate; this allows a quick and simple install for your screws.

Truck Mounted Series:

Great option for fencing contractors, DIY farmers etc. This driver will drive all types of wood or steel posts in nearly all soil conditions and is now available as a custom-truck mounted option.

The Quantum Series are manufactured to the highest possible standards and comes with a 12-month warranty, making these the best choice for the grueling demands of guard railing and solar work.

QUANTUM 800 L PILE DRIVER



Engine:	Perkins, Water Cooled(Tier 4)
Maximum post height:	3.1 m (10.2')
Hydraulic hammer power:	950 Joules
Hydraulic hammer weight:	weight 440-620 kg (970-1376 lb)
Hydrostatic System cast iron pump&flow rate:	120L(31.7 gal)/min 190 bar
Hydraulic oil tank capacity:	150 L(39.6 gal) and level indicator
Diesel oil tank capacity:	60 L (15.9 gal)
Column inclination both traverse and longitudinal:	+/-15
Maximal horizontal slide movement column:	700 mm (28")
Lateral column movement:	+/-150 mm(5.9")
Maximum post dimension:	180x200 mm [7.1" x 7.9"]
Transport dimensions:	2800 mm x 1950 mm x 2100 mm LxWxH [9.2' x 6.4' x 6.9']
Weight:	3000 kg (3 ton)
Travel Speed:	3.0 kmph (single speed)

QUANTUM 1000 PILE DRIVER



Engine:	Perkins, Water Cooled (Tier4)
Maximum post height:	4.6m (15.1)
Hydraulic hammer power:	1260 Joules
Hydraulic hammer weight:	weight 550-750 kg(1212-1256 lb)
Hydrostatic System with cast iron	120 L(31.7 gal)/min 190 bar
pump&flow rate:	
Hydraulic oil tank capacity:	160 L(42.3 gal) and level indicator
Diesel oil tank capacity:	60 L(15.9 gal)
Column inclination both	+/-15
traverse and longitudinal:	
Maximal horizontal slide	800 mm (31.5'')
movement column:	
Lateral column movement:	+/-150mm (5.9'')
Maximum post dimension:	200 mm x 2200 mm (7.9''x 8.7'')
Transport dimensions:	3000 mm x 2200 mm x 2150 mm
	(9.8' x 7.2' x 7.1') LxWxH
Weight:	4000 kg (4 ton)
Travel Speed:	3.0 kmph (two speed) on speed one and
	5.0 kpmh on speed two

QUANTUM 1200 PILE DRIVER



Engine:	Perkins, Water Cooled (Tier4)
Maximum post height:	6.1 m (20') 3 stage Telescopic Mast
Hydraulic hammer power:	1500 Joules
Hydraulic hammer weight:	weight 750 kg(1653 lb)
Hydrostatic System with cast iron	120 L(31.7 gal)/min 190 bar
pump&flow rate:	
Hydraulic oil tank capacity:	180 L(47.6 gal) and level indicator
Diesel oil tank capacity:	60 L(15.9 gal)
Column inclination both	
traverse and longitudinal:	+/-15
Maximal horizontal slide	800 mm (31.5")
movement column:	
Lateral column movement:	+/-150mm (5.9")
Maximum post dimension:	220 mm x 220 mm (8.7" x 8.7")
Transport dimensions:	3500 mm x 2200 mm x 2400 mm
	(11,5' x 7.2' x 7.9') LxWxH
Weight:	4500 kg (4.5 ton)
Travel Speed:	3.0 kmph (two speed) on speed one
and	
	5.0 kpmh on speed two

QUANTUM 1400 PILE DRIVER



Engine:	Perkins, Turbocharged EU Stage V, US EPA
Maximum post height:	8.1 m (26,5') Single Mast. Option for hinge to fold for travelling
Column Rotation	360°
Hydraulic hammer power:	1500 Joules
Hydraulic hammer weight:	weight 900 kg(1984 lb)
Hydrostatic System with cast iron	120 L(31.7 gal)/min 190 bar
pump&flow rate:	
Hydraulic oil tank capacity:	200 L(52.8 gal) and level indicator
Diesel oil tank capacity:	80 L(21.1 gal)
Column inclination both	+/-15
traverse and longitudinal:	
Maximal horizontal slide	600 mm (24'')
movement column:	
Lateral column movement:	+/-150mm (6'')
Maximum post dimension:	220 mm x 220 mm (8.7''x 8.7'')
Transport dimensions:	8000 mm x 2250 mm x 2400 mm (26.2' x 7.4' x 7.9') LxWxH
Weight:	6500 kg (6.5 ton)
Travel Speed:	3.0 kmph (two speed) on speed one and 5.0 kpmh on speed two

QUANTUM 400/600/800 SD SOLAR AUGER PILE DRIVER



400 SD MODEL**600 SD MODEL****800 SD MODEL**

ENGINE			
Brand:		Perkins	Perkins
Perkins			
Power:	34.6 kW	34.6 kW	34.6 kW
Model:	Water Cooled Engine	Water Cooled Engine	Water Cooled Engine
HYDRAULIC MOTOR			
Power:	3000 Nm	6000 Nm	8000 Nm
RPM:	30-90	30-90	30-90
HYDRAULIC SYSTEM			
Oil Tank:	100 L	100 L	200 L
Oil Flow Rate:	50-100 L	50-100 L	50-100 L
Oil Pressure:	190 Bar	190 Bar	190 Bar
Fuel Tank:	30 L	30 L	100 L
Chain Drive	Hydraulic Pull Down	Hydraulic Pull Down Chain	Hydraulic Pull Down Chain(Optional)
Speed:	4.0 km/hr	4.0 km/hr	4.0 km/hr
Max Lift height:	2500 mm	2900 mm	3500 mm
	Front Mounted Mast	Side Mounted Mast	Side Mounted Mast
Transport Dimensions:(HxWxL mm)		2030x1750x2000	2288x2280x2000
2030x1350x1850			
Weight:	2200 kg	2500 kg	3200 kg
Column Inclination:	+10° to -60°	+10° to -60°	+10° to -63°
Lateral Inclination:	+10° to -10°	+10° to -10°	+10° to -10°

QUANTUM 500 T TRUCK MOUNTED POST DRIVER



Engine:	Perkins, Water Cooled(Tier 4)
Power:	34 kW
Hydraulic hammer power:	900 Joules
Hydraulic hammer weight:	390 kg (860 lb)
Beats per minute:	600-1100
Maximum post size	160 x 120 x 2700 mm
Horizontal movement:	600 mm (24")
Hydraulic oil tank capacity:	80 L (52.8 gal) and level indicator
movement column:	
Maximum post dimension:	160x120x2700 mm (6,3''x4.72''x106'')
Transport dimensions:	1100 mm x 1900 mm x 1800 mm
	(26.2' x 7.4' x 7.9') LxWxH
Weight:	1260 kg (1.26 ton)
Travel Speed:	3.0 kmph (two speed) on speed one and 5.0 kpmh on speed two

ADVANTAGES

Faster and more powerful

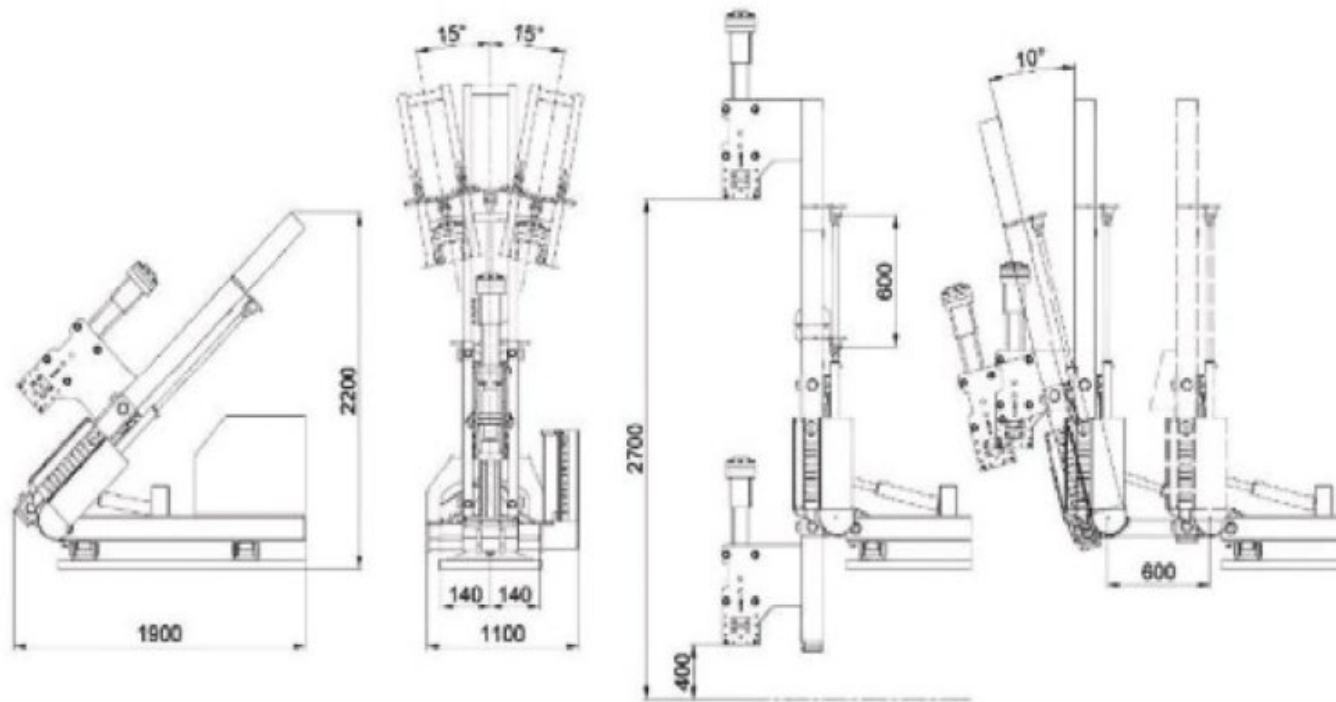
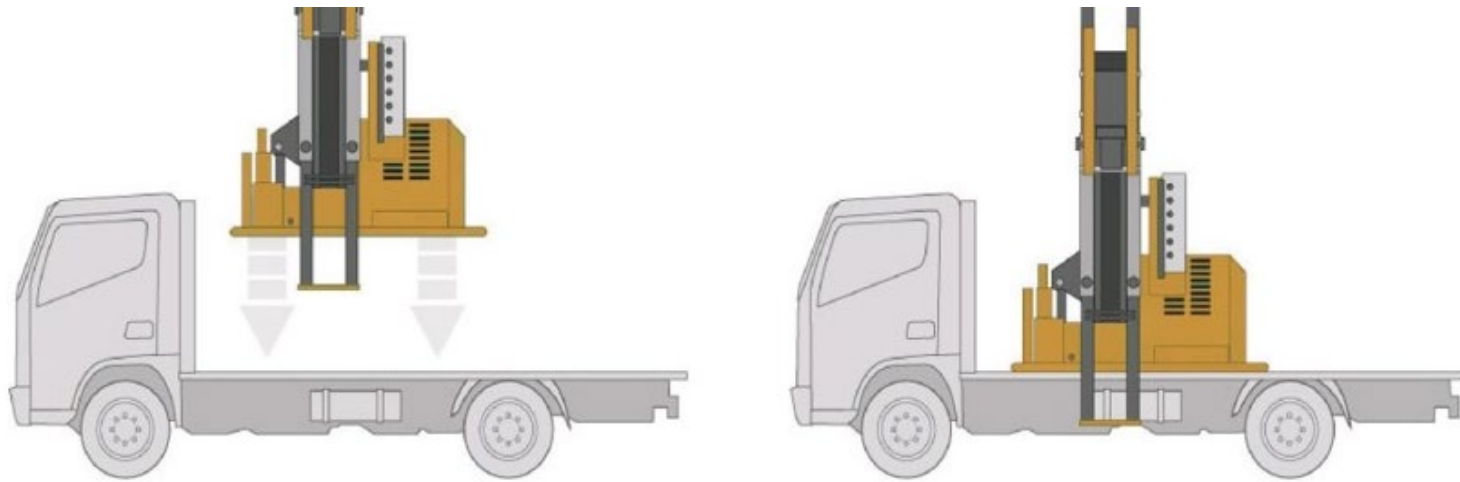
Easy maintenance

Low maintenance cost

Rotational mounting

Rigid and durability

Easy installation & operation



QUANTUM GUARDIL AND SOLAR OPTIONS



Optional Accessories

GPS Solutions-Manual and Semi Autonomous
DTH Hammer up to 250 mm (10'')

Guardill Install unit

Post Excerator

Converter Core Drills

Remote Control

