



**PILE DRIVER MACHINES**

**800 L SERIES**

**1000 SERIES**

**1200 SERIES**

**1400 SERIES**

**400/600/800 SD SERIES**

**500 T TRUCK MOUNTED SERIES**



INNOSIS manufactures and supplies 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 3.1m (10.2') (Guardrail/Solar)

Quantum 1000 installs spiles of up to 4.5m (14.7') (Solar)

Quantum 1200 installs piles of up to 6.1 m (20') (Solar) •

Quantum 1400 installs piles of up to 8.1 m (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 QuantumSeries 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



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

## QUANTUM 1000 PILE DRIVER



<b>Engine:</b>	Perkins, Water Cooled (Tier4)
<b>Maximum post height:</b>	4.6m (15.1)
<b>Hydraulic hammer power:</b>	1260 Joules
<b>Hydraulic hammer weight:</b>	weight 550-750 kg(1212-1256 lb)
<b>Hydrostatic System with cast iron</b>	120 L(31.7 gal)/min 190 bar
<b>pump&amp;flow rate:</b>	
<b>Hydraulic oil tank capacity:</b>	160 L(42.3 gal) and level indicator
<b>Diesel oil tank capacity:</b>	60 L(15.9 gal)
<b>Column inclination both</b>	+/-15
<b>traverse and longitudinal:</b>	
<b>Maximal horizontal slide</b>	800 mm (31.5'')
<b>movement column:</b>	
<b>Lateral column movement:</b>	+/-150mm (5.9'')
<b>Maximum post dimension:</b>	200 mm x 2200 mm (7.9''x 8.7'')
<b>Transport dimensions:</b>	3000 mm x 2200 mm x 2150 mm
	(9.8' x 7.2' x 7.1') LxWxH
<b>Weight:</b>	4000 kg (4.4 ton)
<b>Travel Speed:</b>	3.0 kmph (two speed) on speed one and
	5.0 kmph on speed two



# QUANTUM 1200 PILE DRIVER



<b>Engine:</b>	Perkins, Water Cooled (Tier4)
<b>Maximum post height:</b>	6.1 m (20') 3 stage Telescopic Mast
<b>Hydraulic hammer power:</b>	1500 Joules
<b>Hydraulic hammer weight:</b>	weight 750 kg(1653 lb)
<b>Hydrostatic System with cast iron</b>	120 L(31.7 gal)/min 190 bar
<b>pump&amp;flow rate:</b>	
<b>Hydraulic oil tank capacity:</b>	180 L(47.6 gal) and level indicator
<b>Diesel oil tank capacity:</b>	60 L(15.9 gal)
<b>Column inclination both</b>	
<b>traverse and longitudinal:</b>	+/-15
<b>Maximal horizontal slide</b>	800 mm (31.5")
<b>movement column:</b>	
<b>Lateral column movement:</b>	+/-150mm (5.9")
<b>Maximum post dimension:</b>	220 mm x 220 mm (8.7" x 8.7")
<b>Transport dimensions:</b>	3500 mm x 2200 mm x 2400 mm (11,5' x 7.2' x 7.9') LxWxH
<b>Weight:</b>	4500 kg (4.4 ton)
<b>Travel Speed:</b>	3.0 kmph (two speed) on speed one and 5.0 kpmh on speed two

## QUANTUM 1400 PILE DRIVER



<b>Engine:</b>	Perkins, Turbocharged EU Stage V, US EPA
<b>Maximum post height:</b>	8.1 m (26,5') Single Mast. Option for hinge to fold for travelling
<b>Column Rotation</b>	360°
<b>Hydraulic hammer power:</b>	1500 Joules
<b>Hydraulic hammer weight:</b>	weight 900 kg(1984 lb)
<b>Hydrostatic System with cast iron pump&amp;flow rate:</b>	120 L(31.7 gal)/min 190 bar
<b>Hydraulic oil tank capacity:</b>	200 L(52.8 gal) and level indicator
<b>Diesel oil tank capacity:</b>	80 L(21.1 gal)
<b>Column inclination both</b>	+/-15
<b>traverse and longitudinal:</b>	
<b>Maximal horizontal slide</b>	600 mm (24'')
<b>movement column:</b>	
<b>Lateral column movement:</b>	+/-150mm (6'')
<b>Maximum post dimension:</b>	220 mm x 220 mm (8.7''x 8.7'')
<b>Transport dimensions:</b>	8000 mm x 2250 mm x 2400 mm (26.2' x 7.4' x 7.9') LxWxH
<b>Weight:</b>	6500 kg (7.16 ton)
<b>Travel Speed:</b>	3.0 kmph (two speed) on speed one and 5.0 kpmh on speed two

## QUANTUM 400/600/800 SD SOLAR SCREW PILE DRIVER



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

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





## QUANTUM TRUCK MOUNTED POST DRIVER

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

### ADVANTAGES

**Faster and more powerful**

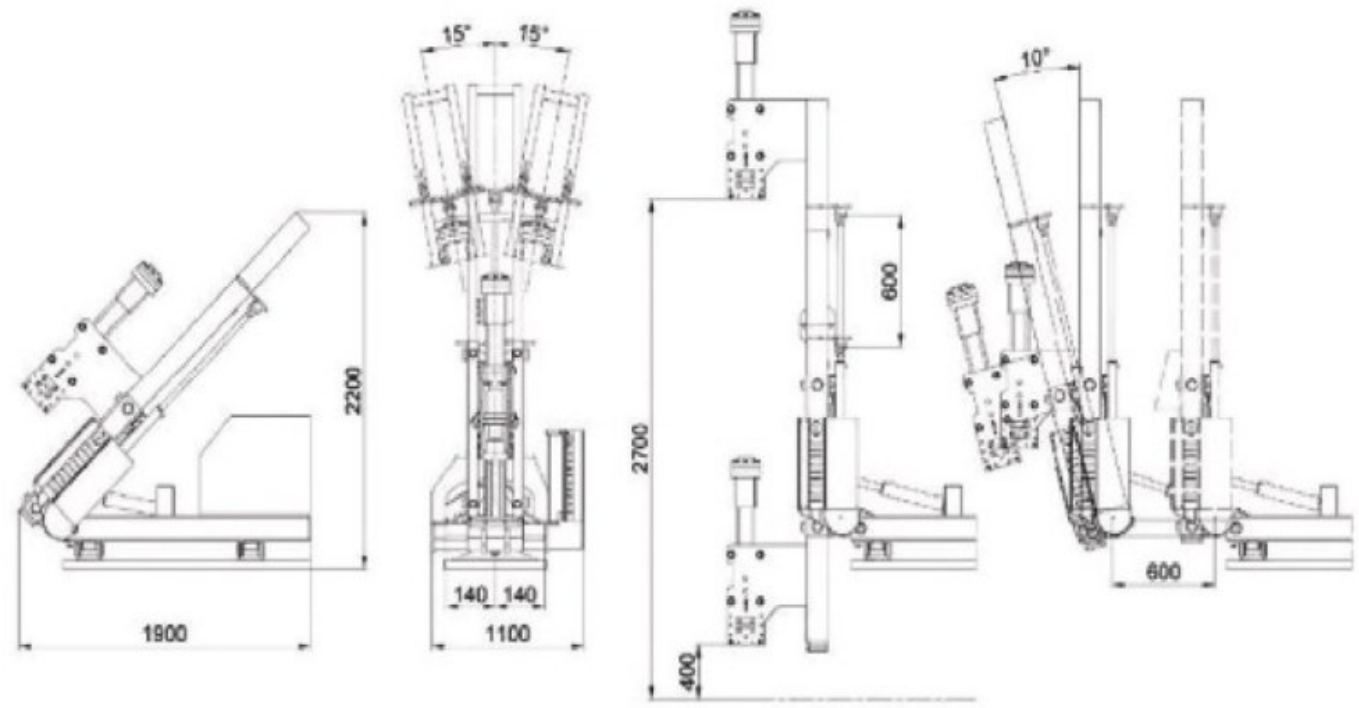
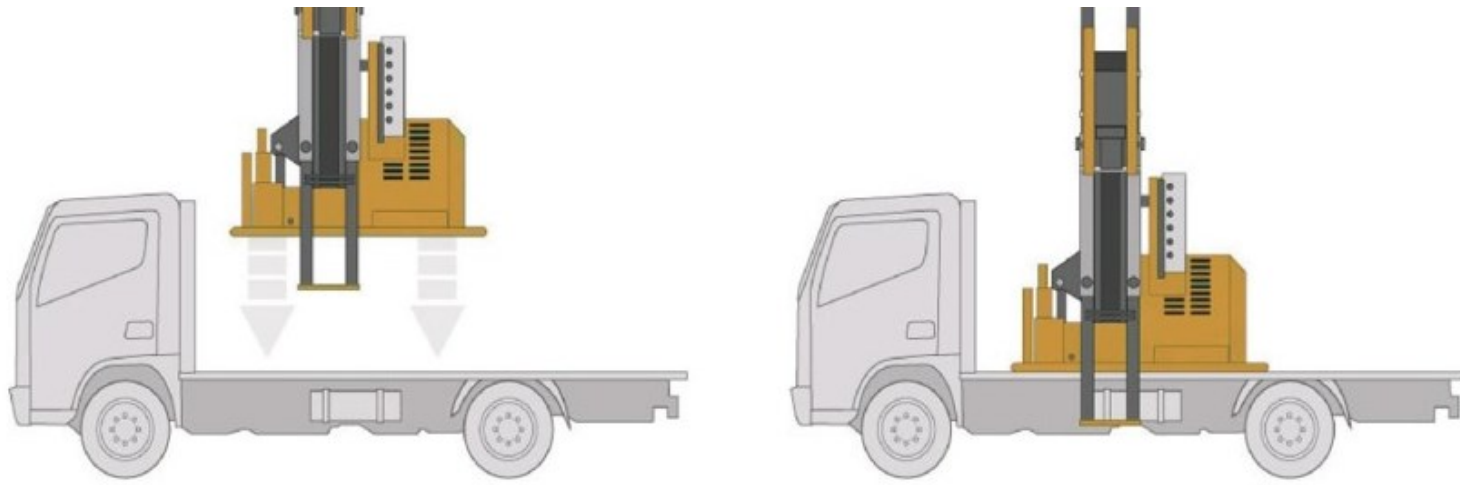
Easy maintenance

**Low maintenance cost**

Rotational mounting

**Rigid and durability**

Easy installation & operation



## QUANTUM GUARDIL and SOLAR OPTIONS



GPS Solutions-Manual and Semi Autonomous  
DTH Hammer up to 250 mm (10'')  
Guardill Install unit  
Post Excerator  
Converter Core Drills  
Remote Control



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