



MAZAKA
HEAVY INDUSTRY

MW SERIES

PILE DRIVING MACHINES



MW400

MW600

MW800

MW1000

MW1200

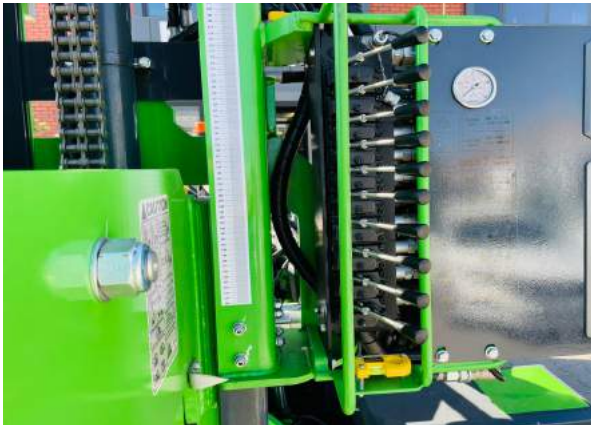
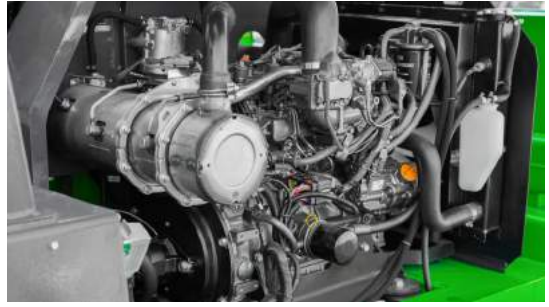


MAZAKA
GROUP

THE MAZAKA PILE DRIVER IS INTENDED TO INSTALL SOLAR PILES WHERE PRODUCTIVITY DEPENDABILITY IS ESSENTIAL.

This pile driver drives posts with great precision thanks to its compact design, stability, and easy handling.

The Mazaka machines are simple to operate and very user-friendly. A single operator drives the posts and moves the machine. With the **Mazaka** a relatively new installer can install a post per minute, on average. This makes the investment in our equipment money well spent. With this money, you will save on time, labor, safety, and productivity you will be ahead in no time. The machines can be also used for wooden piles, fencing, and vineyards.



PERFORMANCE & PRODUCTIVITY

- Low fuel cost
- Easy & Low maintenance
- Decreased sound level
- Cleaner exhaust emission

MW400 GROUND SCREW

Mazaka has designed a simple-to-use rock drilling and screwing that is based on mobile crawlers. It only takes a few minutes to drill depth is equal to the mast length.

The pre-drilling system is specially designed with a steel bit DTH or Augers to drill holes of a variety of diameters for positioning traffic signs, anchoring systems, guardrail installation, and solar sites.



ENGINE

Make	YANMAR
Model	4TNV88
Cylinders	4
Displacement l (ci)	2.19 (134)
Gross Power hp (kW)	47.6 (35.5)
Rated Speed rpm	3000
Certifica	Stage 5
Fuel Tank	50 l
DPF Filter	yes

AUGER

Oil Pressure Range	180 bar
Torque Range	6500 Nm
Oil Flow Range	65 flow
Speed Range	20-65 rpm

HYDRAULIC SYSTEM

Oil Flow Rate	65 l
Oil Pressure	180 bar
Oil Tank	80 l



MACHINE TRAVEL SPEED

Low Speed	2 km/h
High Speed	-----
Gradeability	30°
Side Walk	10°

DIMENSION

Machine Lenght	1845 mm
Transport Widht	1115 mm
Transport Height	2340 mm
Transport Lenght	2525 mm
Weight	2500 kg
Angle of mast forward	7°
Angle of mast backward	60°

OPTIONAL

Engine Stage 3 Yanmar, Mitsubishi
Laser Height Management System
Auto Mast Leveling
GPS Machinery Control System
Hammer 900 J
Mast 4100 mm
Down The Hole 4"
Auger 8000 Nm
Remote Control
Post Exctractor

MW600 GUARDRAIL PILE DRIVERS

Mazaka MW600 Pile Driver models are more stable types of equipment and extremely compact machines with high-performance hydraulic hammers which provide the fastest movement.

On your valuable requests mast height optionally can arrange by Mazaka from 2.8 meters up to 3.5 meters.



ENGINE

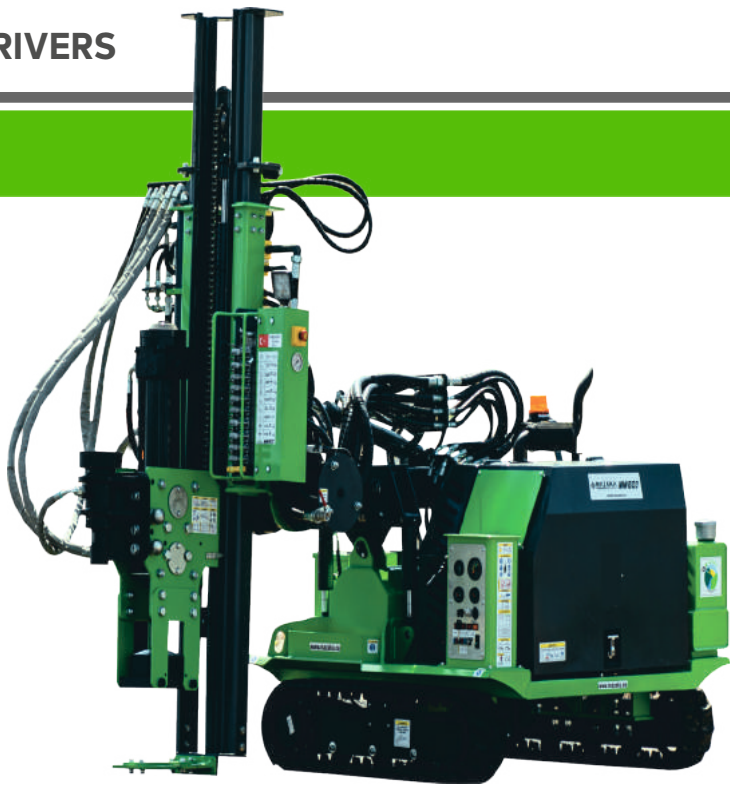
Make	YANMAR
Model	4TNV88
Cylinders	4
Displacement l (ci)	2.19 (134)
Gross Power hp (kW)	47.6 (35.5)
Rated Speed rpm	3000
Certifica	Stage 5
Fuel Tank	50 l
DPF Filter	yes

HAMMER

Oil Pressure Range	120 bar
Joule	900 Nm
Oil Flow	65 flow
Hammer Weight	

HYDRAULIC SYSTEM

Oil Flow Rate	75 l
Oil Pressure	180 bar
Oil Tank	120 l



MACHINE TRAVEL SPEED

Low Speed	2 km/h
High Speed	-----
Gradeability	30°
Side Walk	10°

DIMENSION

Machine Lenght	1670 mm
Transport Widht	2065 mm
Transport Height	2340 mm
Transport Lenght	1670 mm
Weight	2950 kg
Angle of mast forward	10°
Angle of mast backward	63°

OPTIONAL

Engine Stage 3 Yanmar, Mitsubishi
Laser Height Management System
Auto Mast Leveling
GPS Machinery Control System
Hammer 1060 J
Mast 4500 mm
Down The Hole 4"
Auger 8000 Nm
Remote Control
Post Extractor

MW1000

MW1000 models are machines with large dimensions. It has been realized to work in slope and hard soils.

The machine can assure excellent stability and the fastest works in installing piles of large dimensions. The standard models can reach from 4.6 m up to 6.1 mast height. On request, it is very easy to apply on the standard pile driver double extension mast and Pre-drilling system (Rock drilling with DTH or Auger)



ENGINE

Make	YANMAR
Model	4TNV88
Cylinders	4
Displacement l (ci)	2.19 (134)
Gross Power hp (kW)	47.6 (35.5)
Rated Speed rpm	3000
Certifica	Stage 5
Fuel Tank	50 l
DPF Filter	yes

HAMMER

Oil Pressure Range	120 bar
Joule	1060 Nm
Oil Flow	75 flow
Hammer Weight	

HYDRAULIC SYSTEM

Oil Flow Rate	75 l
Oil Pressure	180 bar
Oil Tank	180 l



MACHINE TRAVEL SPEED

Low Speed	2 km/h
High Speed	4 km/h
Gradeability	30°
Side Walk	10°

DIMENSION

Machine Lenght	2100 mm
Transport Widht	3375 mm
Transport Height	2143 mm
Transport Lenght	2188 mm
Weight	4350 kg
Angle of mast forward	10°
Angle of mast backward	65°

OPTIONAL

Engine Stage 5 Yanmar 53 Kw
Laser Height Management System
Auto Mast Leveling
GPS Machinery Control System
Hammer 1450 J
Mast 6000 mm
Down The Hole 8"
Auger 10000 Nm
Remote Control
Post Extractor

MW1200

MW1200 models are machines with large dimensions. It has been realized to work in slope and hard soils.

The machine can assure excellent stability and the fastest works in installing piles of large dimensions. The standard models can reach from 4.6 m up to 6.1 mast height. On request, it is very easy to apply on the standard pile driver double extension mast and Pre-drilling system (Rock drilling with DTH or Auger)



ENGINE

Make	YANMAR
Model	4TNV88
Cylinders	4
Displacement l (ci)	2.19 (134)
Gross Power hp (kW)	47.6 (35.5)
Rated Speed rpm	3000
Certifica	Stage 5
Fuel Tank	50 l
DPF Filter	yes

HAMMER

Oil Pressure Range	120 bar
Joule	1450 Nm
Oil Flow	80 flow
Hammer Weight	

HYDRAULIC SYSTEM

Oil Flow Rate	80 l
Oil Pressure	180 bar
Oil Tank	200 l

MACHINE TRAVEL SPEED

Low Speed	2 km/h
High Speed	4 km/h
Gradeability	30°
Side Walk	10°

DIMENSION

Machine Lenght	2100 mm
Transport Widht	4155 mm
Transport Height	2265 mm
Transport Lenght	2188 mm
Weight	4750 kg
Angle of mast forward	10°
Angle of mast backward	65°

OPTIONAL

Engine Stage 5 Yanmar 53 Kw
Laser Height Management System
Auto Mast Leveling
GPS Machinery Control System
Down The Hole 10"
Auger 12000 Nm
Remote Control
Post Exctractor



Photos may include optional equipment

Basic Ready Package

Hardware

Cauge Panel with control unit
Double axis Mast angle sensor
Wired remote control station

Functions

Providing online support
Online software update
Auto leveling system

Advanced Ready Package

Hardware

8 hydraulic connection valves
Wireless remote receiver
4.3" color screen
Online access package
Security package
Mast Sliding Package
Laser System Package
Detail report receiving package

Functions

Wireless remote control
Engine specification (oil, temperature etc.) readings visible on screen
Auto leveling system (Mast)

SoftBooster

US500SG GPS SOLAR PILE DRIVER CONTROL SYSTEM

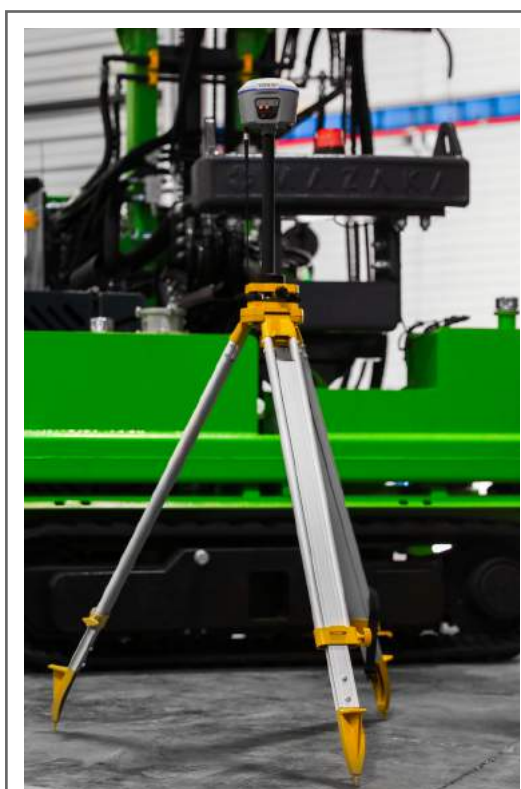
Mazaka Machine Control System is the most advanced GPS system for pile drivers actually present on the market. Mazaka Heavy Industry uses own software which is called Softbooster on GPS system.

It allows full automatic control of the machine, both during the piling and at the translation phases.

Thanks to this system the productivity will have a relevant daily increase, and also the error margins will low close to levels 0.

It is the software module activated from MAZAKA SOFTBOOSTER to control MAST centringthrough the auto hydraulic control, to control the Mast levelling using a tilt slope sensors linked with the X and Y mast tilt movements and to control the Hammer Height aid from a GPS plate antenna fit over the Hammer. The right post height position, can be controlled from an harrow displayed running on the screen in real time , over the wished final post height .

The operator can move automatically the vehicle on a straight line with the remote control.





REMOTE CONTROL

The remote control allows to operate the piledriver without being closed to the machine, both in piling and translation movements. This is possible thanks to the use of Danfoss electro-proportional distributors, which are available either for crawler control alone or for the whole pile driver.



AUTO LEVELING

The system of automatic verticality allows you to always have at hand the perpendicularity of the column with the ground. Just press a button and the column will be positioned perfectly vertically with respect to the ground.





AUGER

AGR350

AUGER

The hydraulic drill is an accessory used to excavate in mixed terrain in order to insert iron tubes and concrete bases for special applications.

Optional

1800 - 3500 - 6000 - 8000 - 12000 - 16000 Nm

Aplication

MW400 - 600 - 1000 - 1200 - 1600

DTH (DOWN THE HOLE)

A down-the-hole drill, usually called DTH by most professionals, is basically a jackhammer screwed on the bottom of a drill string. The fast hammer action breaks hard rock into small cuttings and dust that are evacuated by a fluid. The DTH hammer is one of the fastest ways to drill hard rock.

Optional

Down the hole 3" - 4" - 6" - 8" - 10"

Bits 76 mm - 305 mm

Aplication

MW400 - 600 - 1000 - 1200 - 1600



DTH

MRD3 DTH



POST EXTRACTOR

PH1000H

POST EXTRACTOR

Post Extractor is for percussive extractor for removal of old piles.

Aplication

MW400 - 600 - 1000 - 1200 - 1600

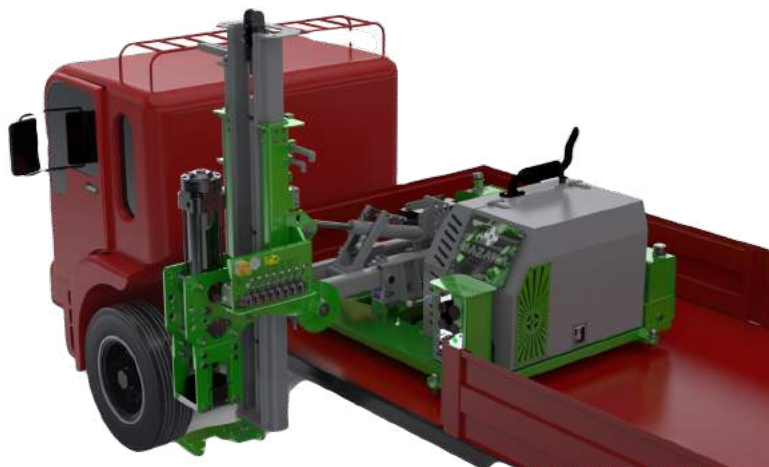
TRUCK MOUNTED PILE DRIVER

MW800TM

Engine	Mitsubishi
Power	Stage3 34.2 kW
Oil Flow	65 l
Oil Pressure	180 bar
Hammer	600 Joule
Hammer Height	2500 mm
Weight	1958 kg
Battery	12 V

Optional Features:

Auto Mast Leveling
Down The Hole
Auger
Remote Control
Post Extractor
Truck P.T.O
Engine Stage 5
Hammer 900 joule



TRAILER MOUNTED PILE DRIVER

MW600TL

Engine	Mitsubishi
Power	Stage3 34.2 kW
Oil Flow	65 l
Oil Pressure	180 bar
Hammer	600 Joule
Hammer Height	2500 mm
Weight	1980 kg
Battery	12 V
Rotary Table	180°

Optional Features:

Auto Mast Leveling
Down The Hole
Auger
Remote Control
Post Extractor
Engine Stage 5
Hammer 900 joule
Mast 4500 mm

UNIVERSAL MOUNTED PILE DRIVER

MW1000UN

Oil Flow	65 l
Oil Pressure	180 bar
Hammer	900 Joule
Hammer Height	3100 mm
Weight	1050 kg

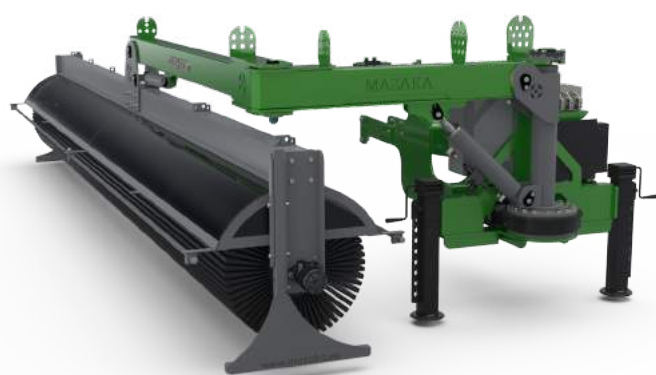
Aplication:

Excavator
Tractor
Telehandler
Beko-loader
Skid-steer
Mini loader
Dozer

Optional Features:

Auto Mast Leveling
Down The Hole
Auger
Remote Control
Post Extractor
Hammer 1450 joule
Mast 6500 mm





UNIVERSAL SOLAR PANEL CLEANING BRUSH

MS20CWC / MS40CWC / MS60CWC

Universal	Universal
Brush Length	2-6 m
Brush Diameter	600 mm
Weight	650 - 900 kg
Brush Speed	120 - 150 rpm
Oil Flow	40 l
Oil Pressure	140 bar

Application

Tractor
Excavator
Telehandler
Skid-steer
Mini-loader
Rough terrain truck

TRACTOR MOUNTED PANEL CLEANER

MA20BA / MA40BA / MA60BA

Universal	Universal
Brush Length	2-6 m
Brush Diameter	600 mm
Weight	525 kg
Brush Speed	120 - 150 rpm
Oil Flow	40 l
Oil Pressure	140 bar
Auto Levelling	Yes

Optional Features:

Automatic Levelling
Water Softener
Water Heater
Nylon brush
Trailer water tank



SOLAR PANEL CLEANING BRUSH MACHINERY

MP40C-MP60C

Universal	Universal
Brush Length	4.4 - 6.4 m
Brush Diameter	600 mm
Weight	6500 kg
Brush Speed	120 - 150 rpm
Oil Flow	40 l
Oil Pressure	140 bar

Optional Features:

Automatic Levelling
Water Softener
Water Heater
Engine Stage V
Cabin
Air conditioning
Nylon brush



MAZAKA
HEAVY INDUSTRY

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Mazaka Heavy Industry a Mazaka Group Company