



MW SERIES

PILE DRIVING MACHINES

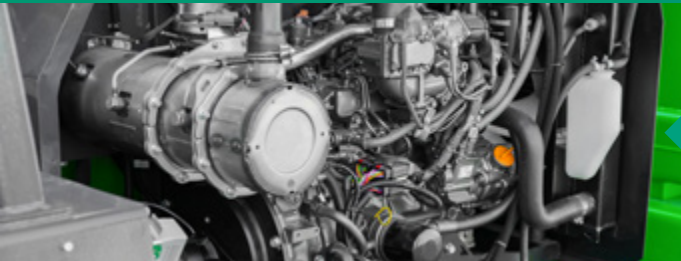


MAZAKA
HEAVY INDUSTRY

THE MAZAKA PILE DRIVER IS INTENDED FOR THE INSTALLATION OF SOLAR PILES WHERE PRODUCTIVITY DEPENDABILITY IS ESSENTIAL FACTORS.

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 the 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 pile, fencing, vineyards.



PERFORMANCE & PRODUCTIVITY

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

DRILLING & RAMMING

DTH bits which are used by MAZAKA are able to use in mining industry, construction industry, water well, oil and gas drilling etc. with maximum 8" diameter of bits. All bits well-matched for most of all our products. Auger with 600 mm maximum diameter can be used soft ground condition.



GPS SYSTEM

It is the software module activated from MAZAKA SOFTBOOSTER to control MAST centring through the auto hydraulic control, to control the Mast levelling using a MOBA 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 a 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.



MW400

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

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



MW600 - MW800 GUARDRAIL PILE DRIVERS

Mazaka MW600 - MW800 Pile Driver models are With high performance hydraulic hammer which are , fastest in movements, more stable equipments and extreamly compact machines.

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



MW1000 - MW1200 PILE DRIVERS



MW1000 - MW1200 models are machines with large dimensions. It has been realized to work in slopy and hard soils.

The machine can assure an excellent stability and fastest works in installing piles of large dimension. 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)

With our unique "**Softbooster**" system, we offer our customers the most advanced technology for maximum efficiency. Our range of photovoltaic crawler trackers has recently been expanded with the construction of the **Mazaka** pile driver with a 6.1 meter pile mast, a machine that embodies advanced technologies, high quality and safety.

	MW400	MW600	MW800	MW1000	MW1200
1.1 Manufacturer's type designation	MAZAKA	MAZAKA	MAZAKA	MAZAKA	MAZAKA
1.2 Manufactur model number	MW400	MW600	MW800	MW1000	MW1200
1.2.1					
1.3 Drive	DIESEL/MACHINE	DIESEL/MACHINE	DIESEL/MACHINE	DIESEL/MACHINE	DIESEL/MACHINE
1.4 Operation	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN
2.1 Service weight	Approx. 2490 kg	Approx. 3000 kg	Approx. 3600 kg	Approx. 4500 kg	Approx. 4500 kg
2.2 Hammer weight	Approx. 215 kg	Approx. 164 kg	Approx. 210 kg	Approx. 250 kg	Approx. 250 kg
3.1 Track	RUBBER	RUBBER	RUBBER	RUBBER	RUBBER
3.2 Number of track	2	2	2	2	2
3.3 Track width	230 mm	230 mm	250 mm	300 mm	300 mm
3.4 Track length	1430 mm	1070 mm	1480 mm	1550 mm	1550 mm
4.1 Angle of mast (forward/backward)	07/60	07/60	10/60	10/60	10/65
4.2 Angle of mast (lateral)	20/10	10/10	10/10	10/10	10/10
4.3 Mast hight	2950 mm	2775 mm	3556 mm	4400 mm	5211 mm
4.4 Max. lift	2534 mm	1710 mm	2175 mm	2175 mm	2685 mm
4.5 Max. lift (when extended)	3078 mm	3050 mm	3510 mm	4900 mm	7180 mm
4.6 Mast ground clearance (while transporting)	2270 mm	2260 mm	2360 mm	2537 mm	2200 mm
4.7 Ground clearance of counterweight	192 mm	100 mm	100 mm	118 mm	118 mm
4.8 Ground clearance control valve	850 mm	1015 mm	1200 mm	1240 mm	1170 mm
4.9 Length including mast	2520 mm	2630 mm	2408 mm	4075 mm	3726 mm
4.10 Ground clearance	300 mm	270 mm	350 mm	330 mm	330 mm
4.11 Total width	2520 mm	2370 mm	2900 mm	3300 mm	3450 mm
4.12 Ground clearance of counterweight	300 mm	1327 mm	1350 mm	1444 mm	1444 mm
4.13 Under carriages width	1120 mm	1680 mm	1910 mm	1970 mm	1970 mm
4.14 Hammer wight	368 mm	465 mm	760 mm	760 mm	760 mm
4.15 Hammer length	1170 mm	1195 mm	1340 mm	1380 mm	1356 mm
4.16 Mast slide (open/close)	80 / 80	518 / 18	585 / 85	490 / 85	490 / 85
4.17 Machine length	1850 mm	1670 mm	2040 mm	2100 mm	2100 mm
4.18 Transport width	1472 mm	1600 mm	2400 mm	4155 mm	4010 mm
4.19 Transport height	2267 mm	1918 mm	2360 mm	2260 mm	2150 mm
4.20 Transport length	2883 mm	1615 mm	2050 mm	2100 mm	2100 mm
5.1 Driving speed	3 km/h	3 km/h	2.2 - 4 km/h	2.2 - 4 km/h	2.2 - 4 km/h
5.2 Lifting speed (wihtoud load)	-	-	-	-	-
5.4 Drawbar pull	3000N	3000N	3000N	3000N	3000N
5.5 Gradeability (withoud load)	-	-	-	-	-
5.6 Hammer Joule Rating	-	-	-	-	-
6.1 Engine manufacturer/type	Mitsubishi S4Q2-Z365SP / Yanmar 4TNV88C - DYE H2				
6.2 Engine type	Diesel - Internal Combustion Engine				
6.3 Engine power according to ISO 3046	34.6 kW / 35.5 kW				
6.4 Rated speed	1000 - 2500 rpm / 800 - 3150 rpm				
6.5 Number of cylinders/displacement	4 cylinders - 2505 cc / 4 cylinders - 2190 cc				
6.6 Battery weight	Approx 200 kg				
7.1 Working pressure for accessory equipment	180 bar				
7.2 Max. oil volume for accessory equipment	90 l/min				



SoftBooster

AVRASYA IS SOFTWARE DEVELOPER OF CONTROLLING UNITS FOR MACHINERIES. BESIDES SPECIFIC REQUIREMENT SOFTWARE SUCH AS REMOTE CONTROLLING, AUTOMATIZATION, PERFORMANCE REPORTING ETC. CAN BE DESIGNED AND IMPLEMENTED MANUFACTURED EQUIPMENT.

Innovation is key word for Avrasya engineers to provide engineering solutions to customers. Mechanic, Hydraulic, Electronic and software are sciences Avrasya is using its productions.



GPS

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-semi 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.

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

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

DTH (DOWN THE HOLE)

Down the hole hammer with a hydraulic rotor positioned between the pile driver hammer and the vertical sliding column can be used to drill in rock, concrete (without reinforcement) or highly compact conglomerates easily and effectively. The "Down the hole hammer" system can be used as required and released and left in position, ready to use, when it is not required.

This system allows drilling and driving using alternatively a down the hole hammer and the pile driver hammer without having to dismantle any heavy parts, offering the most efficiency and safety. System also can be use by remote controller.

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.

POST EXTRACTOR

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



AUGER



DTH



POST EXTRACTOR

SoftBooster System Functions	Basic	Eco	Eco +	Advance	Advance +
1 Finding faults and accessing parameters on the machine via computer	-	+	+	+	+
2 Software update via computer	-	+	+	+	+
3 Infrastructure for the upgrade (Ready Package)	+	+	+	-	-
4 Automatic balancing system perpendicular to zero correction with one button	-	+	+	+	+
5 Wireless control of machine movements via buttons and joysticks	-	-	+	○	○
6 Wired control of machine movements via buttons and joysticks	-	-	-	+	+
7 Displaying engine data on screen	-	○	○	+	+
8 4.3" Color graphic Display	-	○	○	+	+
9 7" Color Graphic Display	-	○	○	○	○
10 Upgrade to basic version equipment package	○	-	-	+	+
11 Upgrade to Advanced version equipment package	-	○	○	+	+
12 Remote access package	-	○	+	+	+
13 Security Package	-	○	○	+	+
14 Mast Sliding Pack	-	○	○	+	+
15 GPS Package	-	○	○	○	○
16 Laser System Package	-	○	○	+	+
17 Asphalt Barrier Driving Package	-	○	○	○	○
18 Detailed Report Package	-	○	○	+	+
19 Full Autonomus GPS System	-	-	-	-	+

