



MAZAKA
H E A V Y I N D U S T R Y

PILE DRIVING MACHINES

MW SERIES

www.mazaka.eu



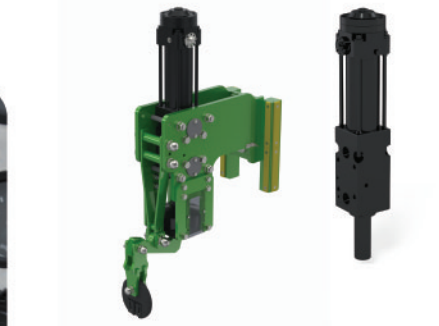
Photos may include optional equipment.

MW 400CW MW 600CW MW 600TM MW 600TL MW 600EX MW 800CW MW 1000CW MW 1000EX MW 1200CW

WHY MAZAKA?

- ✔ Mazaka use the best diesel engines water cooling category (Mitsubishi, Yanmar, Perkins). Engines which are used in Mazaka Machines provides optimum results to its users. (Low fuel costs, easy maintenance, maximum performance, low sound intensity level)
- ✔ Hydraulic valves used in Mazaka Machines are selected from the renowned manufacturers in the world (Danfoss, Valvoil). These valves provide best precision while driving machine by the operator.
- ✔ Hammers of MZK Series are designed to provide the user with optimum ramming performance These are specially built with the collaboration of Mazaka and MTB.
- ✔ Hydraulic oil cooler radiator circulates the oil on all the hydraulic systems on the machine, this helps in cooling the Mazaka Machines in harsh work conditions, high temperature at places such as Middle East.
- ✔ All machine models are able to attach drill and ramming hammer at the same time without removing any equipment. In this way, users save so much time.
- ✔ Double speed option increases the machine performance, saving time and energy.

**High
quality
products...**



MW SERIES



MW 400 CW



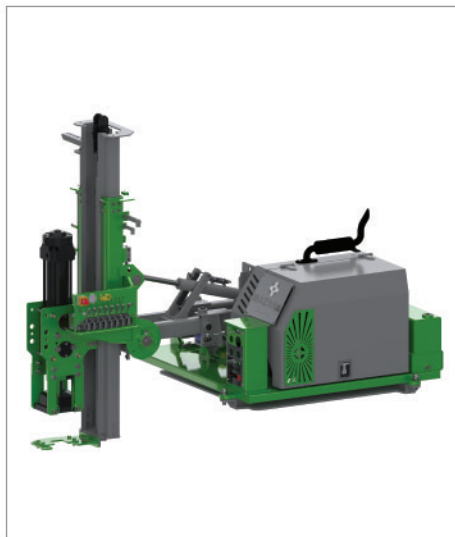
MW 600 EX



MW 1000 EX



MW 600 CW



MW 600 TM



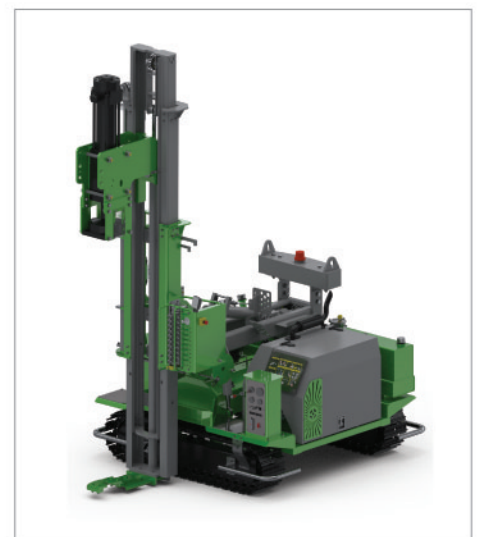
MW 600 TL



MW 800 CW

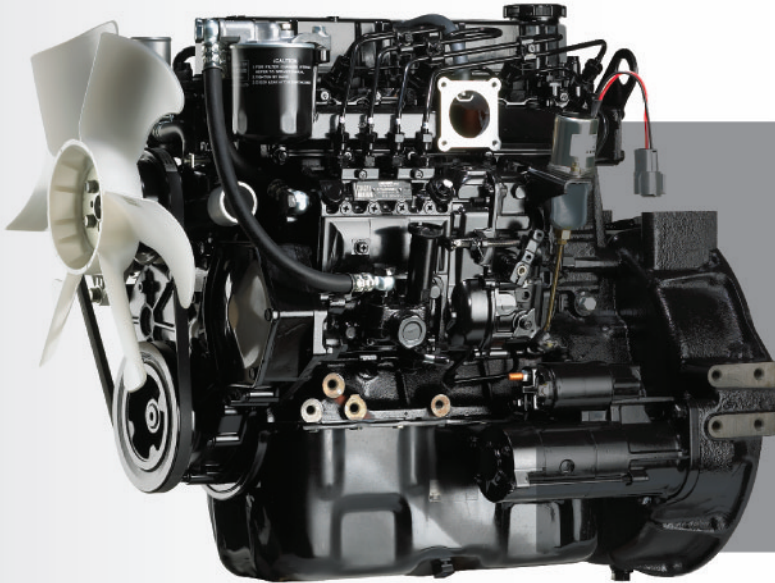


MW 1000 CW



MW 1200 CW

Performance and Productivity



- Low fuel costs
- Easy and Low maintenance
- Decreased sound level
- Cleaner exhaust emissions

A clean exhaust system that is beneficial to the environment has always been the top priority by the Mazaka engineers our engine partners are Mitsubishi, Yanmar, Perkins. The Mitsubishi diesel engines in the SQ series offer a powerful solution that combines controlled performance at a high level with a responsible attitude towards the environment. The sound intensity level is exceptionally low thanks to an optimal design of the exhaust system and hammer.

ENGINE BENEFITS

Low Emission

A clean exhaust system is beneficial for the environment. This has always been a high priority for Mitsubishi engineers. The lower exhaust emission is achieved through improvements in the fuel system creating problem-free combustion.

The Combination of Experience and Theory

Engines for construction and production machinery require a highly effective torque in the middle low gear and a high durability grade. Our technicians have drawn on their experience and theoretical knowledge to repeatedly test the engines on the criteria mentioned above.



MW SERIES

Drilling

Mazaka Machines also have drilling speciality besides ramming. Mazaka use optimum rotators which is 3000Nm to 8000 Nm according to the needs of the user. There are 2 options for drilling as DTH and Auger.

Ramming

Mazaka machines are very effective and productive in the Solar industry along with Guardrail, garden piles, prefabricated building ground screws etc. The hydraulic powerful hammers have impact power range from 900 joule to 1450 joules. MW Series machines are supported by Mazaka Softbooster software.



DRILLING



RAMMING

Ramming and Drilling

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 for soft ground condition.



Photos may include optional equipment.

Softbooster

Mazaka use the software technologies effectively for improving machine performance, making the machine safer and easy to use. Mobile automation packages which started as R&D activities and request from many different sources, As a Softbooster Support Packages. MW Series achieve the following functions thanks to Softbooster softwares and hardware packages.

- Complete satisfaction of customers
- Efficiency and satisfaction of operators
- Easy calibration options with one touch
- Sensible application
- Saving time
- Fuel efficiency modes
- Safer modes of working
- Ergonomic drive for long hours
- Maintenance reminders



GPS

With Soft Booster's GPS packages, which use the positioning services of global satellites, you will be able to use all the features of Industry 4.0 with your machine. You can choose fully autonomous pile driving systems or semi-autonomous systems from GPS Packages options.



AUTO LEVELING

Users don't have to waste their time to adjusting the angle of mast with Mazaka MW Series machines. All machines are prepared with vision of Industry 4.0; you will be able to drive your piles at a stable height with using GPS or Laser systems. Thanks to this system, operator mistakes will be reduced to the minimum and added value will be provided to your company by increasing the average work performance.



CONTROL OPTIONS

You can control your machine with analog system or electronic system. In electronic control systems, you can choose the wireless or wired control options. With these choices the work performance will be increased and the machine will be easier and safer to use. Also with the combination Soft Booster packages, the machine can have different level of remote control functions that can be applicable on the machine to make it an autonomous.

System Functions

		Eco	Basic	Advanced
1	Providing online support	-	+	+
2	Online software updates	-	+	+
3	Advanced ready package)	+	+	-
4	Auto leveling system	-	+	+
5	Wireless remote control	-	-	○
6	Wired remote control	-	-	+
7	Engine specification (oil, temperature etc.) reading visible on screen	-	+	+
8	4.3" color screen	-	○	+
9	7" color screen	-	○	○
10	Basic ready Package	○	-	+
11	Online access package for automation	-	○	+
12	Mast Sliding Package	-	○	+
13	Security Package	-	○	+
14	GPS Package	-	○	+
15	Laser System Package	-	○	○
16	Guardrail Package	-	○	+
17	Detail report receiving (DRR) Package	-	○	○

1: 4.3" or 7" can eligible for 1 machine

- (Non-Including) ○ (Optional) + (Including)



Photos may include optional equipment.

Basic Ready Package

Hardware

Gauge 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

Security Package

Hardware

Electromechanical impact sensors.

Functions

Preventing the machine from hitting the obstacle / pedestrian

GPS Package Hardware

Hardware

GNSS receiver kit

Functions

Adjusting the machine location with GPS
Adjusting the mast height
Autonomous driving with wireless tablet/laptop

Mast Sliding Package

Hardware

Mast-Sliding Mechanic Kit

Functions

Side Shifter
Automatic Mast centering system while using with GPS

Laser System Package

Hardware

Laser transmitter + Receiver Kit

Functions

Adjusting the Hammer height

Photos may include optional equipment.



Online Access Package

Hardware

GSM/GPRS Modem
CAN to Ethernet Transmitter

Functions

Online Access to machine
Online Software Update
Online Fault Detail Access
Online input/output control

Guardrail Package

Hardware

1 piece of double axis chassis tilt sensor

Functions

Auto Leveling System (Mast)

Detail report receiving (DRR) Package

Hardware

Data Logger Device

Functions

Work hour details and user statics

After Sales Service

Mazaka team provides services with minimum time possible

We spent a lot of time to make MW Series Machine work harder. Thanks to these packages, you will be able to prevent long-term problems in your machine. The solution of the problem in the fastest way for the customer is by after sales services. Mazaka serves the customer with fast service, right approach, permanent solution and perfect service understanding with a performance above customer expectations. With our 6 distributors worldwide, become member of Mazaka family today.



ORIGINAL SPARE PARTS

Advantages of Mazaka Original Spare Parts

- Saves your machine
- Safety and security
- Increasing the machine performance
- Low cost for maintenance
- Keep the machine under warranty



Mazaka Academy

MAZAKA ACADEMY

International Career Opportunity with MAZAKA
Mazaka Academy giving you a career opportunity.



Mazaka Academy offers working opportunity to operators to learn the maintenance of machines, ramming, Drilling works with the machine. The operators will find chance to career ladder in the Solar sector as experience operators. This career opportunity is waiting for you at Mazaka.



Lateral and Vertical Pull Out Test

The POT (pull out test) campaign is crucial when designing tracker's piles . Mazaka Performs these tests, for the customers by suggesting them the type and the length of the post and carry out pull out test (POT) in order to verify the tracker predesign or adjust parameters. The tests are performed with Mazaka machines and the similar machines will be used for the completion of the projects.

Optional Equipments



Post Extractor



Auger

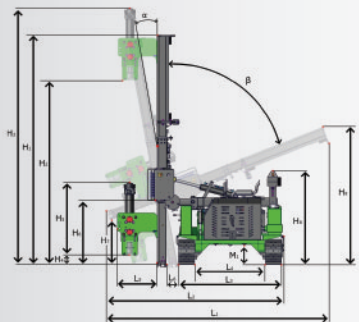
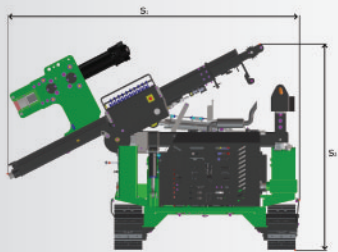
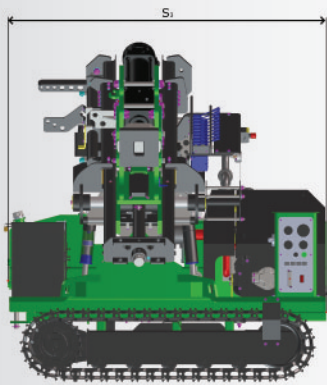
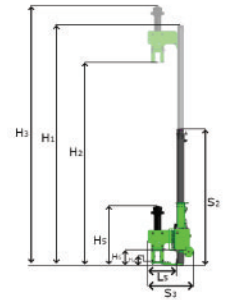
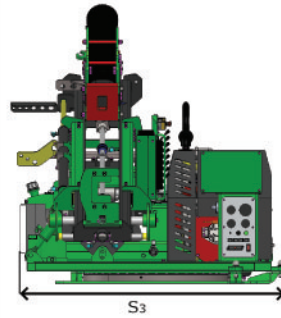
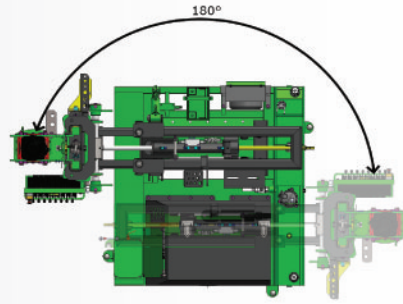
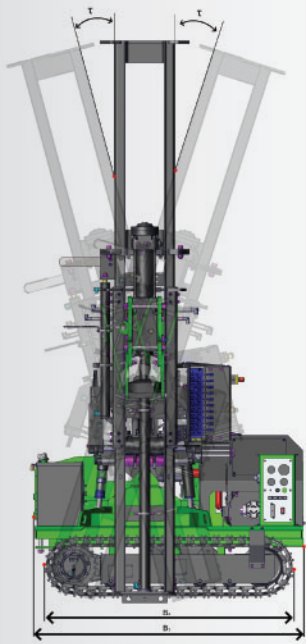


DTH

Mazaka Machinery provides many optional equipment possibilities. Piling device, apparatus up to 3000 kg for pull out forces.

Auger and DTH equipment are used for pre-drilling purposes.

Mazaka Machinery, together with optional equipment, offers this fastest and most practical solution to all problems you may encounter in the field.



Weight Distinguishing marks

Rubber Track

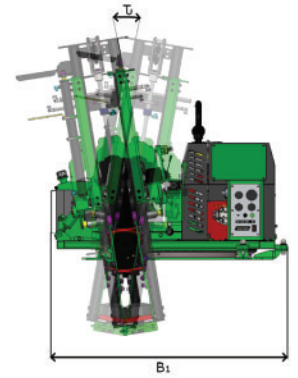
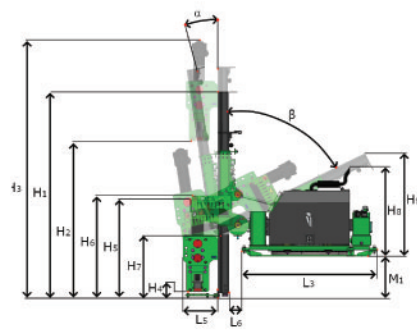
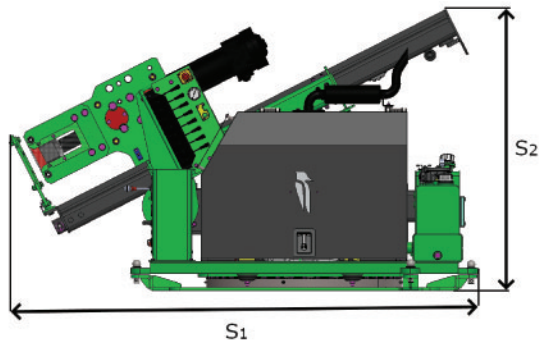
Basic dimensions

Performance data

IC-engine

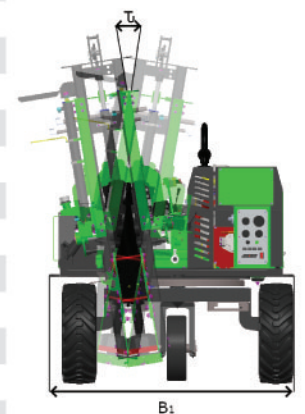
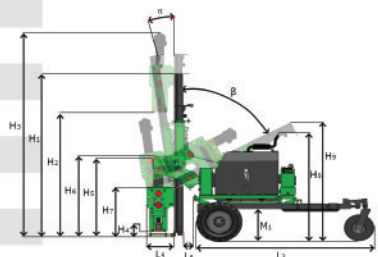
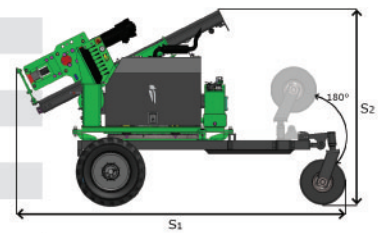
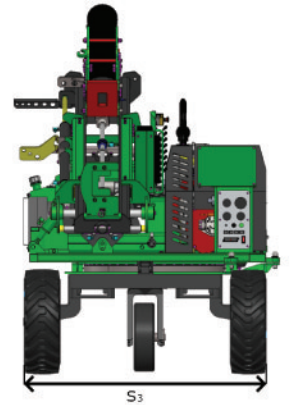
Misc.

1,1	Manufacturer's type designation			MAZAKA	MAZAKA	
1,2	Manufacturer model number			MW400 CW	MW600 CW	
1.2.1						
1,3	Drive			Diesel/Machine	Diesel/Machine	
1,4	Operation			Pedestrian	Pedestrian	
2,1	Service weight	kg		Approx. 1958	Approx. 2380	
2,2	Hammer weight	kg		Approx. 210	Approx. 347	
3,1	Track			Rubber	Rubber	
3,2	Number of track			2	2	
3,3	Track width	L4	mm	650	1215	
3,4	Track length	B2	mm	1430	1430	
4,1	Angle of mast	forward/backward	α / β	$^{\circ}$	7°/60°	10°/63°
4,2	Angle of mast	lateral	$\boxtimes 1 / \boxtimes 2$	$^{\circ}$	20°/10°	10°/10°
4,3	Mast Height	H1	mm	2590	2775	
4,4	Max. Lift	H2	mm	2007	1710	
4,5	Max. Lift	when extended	H3	mm	3065	3050
4,6	Mast ground clearance	while transporting	H9	mm	2340	2255
4,7	Ground clearance under hammer	H4	mm	173	100	
4,8	Ground clearance control valve	H6	mm	900	1015	
4,9	Length including Mast	L1	mm	2525	2630	
4,10	Ground clearance	M1	mm	300	270	
4,11	Total width	L2	mm	2525	2365	
4,12	Ground clearance of counterweight	H8	mm	1500	1515	
4,13	Under carriages width	L3	mm	1115	1675	
4,14	Hammer width	L5	mm	368	465	
4,15	Hammer length	H5	mm	1060	1340	
4,16	Mast slide	open / close	L6	mm	80 / 80	517.5 / 17,5
4,17	Machine length	B1	mm	1845	1670	
4,18	Transport width	S1	mm	1115	2065	
4,19	Transport height	S2	mm	2340	2340	
4,20	Transport length	S3	mm	2525	1670	
5,1	Driving speed		km/h	5	3	
5,2	Lifting speed	without load	m/s	0.50	0.60	
5,4	Drawbar pull		N	3000	3000	
5,5	Gradeability	without load	%	60	60	
5,6	Hammer Joule Rating		J	-	900	
6,1	Engine manufacturer/type			Mitsubishi / S4Q2	Mitsubishi / S4Q2	
6,2	Engine type			Diesel	Diesel	
6,3	Engine power according to ISO 3046		kW	34.6	34.6	
6,4	Rated speed	U	rpm	2500	2500	
6,5	Number of cylinders/displacement		l	4 / 2505	4 / 2505	
6,6	Battery weight		kg	Approx. 195 kg	Approx. 195 kg	
7,1	Working pressure for accessory equipment		bar	180	180	
7,2	Max. Oil volume for accessory equipment		l/min	90	90	



MAZAKA	MAZAKA	MAZAKA	MAZAKA	MAZAKA	MAZAKA	MAZAKA
MW600TM	MW600 TL	MW600 EX	MW800 CW	MW1000 CW	MW1000 EX	MW1200 CW

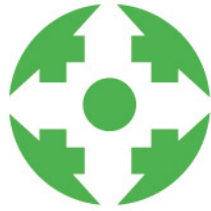
DizeDiesel/Truck	Diesel/Truck	Excavator	Diesel/Machine	Diesel/Machine	Excavator	Diesel/Machine
Pedestrian	Pedestrian	Pedestrian	Pedestrian	Pedestrian	Pedestrian	Pedestrian
Approx. 1875 kg	Approx. 1980 kg	Approx. 725	Approx. 3375	Approx. 3613	Approx. 1125	Approx. 3816
Approx. 347	Approx. 347	Approx. 347	Approx. 492	Approx. 585	Approx. 585	Approx. 720
-	Wheel	-	Rubber	Rubber	-	Rubber
-	3	-	2	2	-	2
-	-	-	1380	1350	-	1350
-	-	-	1935	1965	-	1965
10°/63°	10°/63°	-	10°/60°	10°/65°	-	10°/65°
10°/10°	10°/10°	-	10°/10°	10°/10°	-	10°/10°
2340	2340	2775	2655	4365	4365	7190
2188	2290	1710	2175	3635	3635	6187
3496	3630	3050	3510	5000	5000	7685
1460	2250	-	2360	2525	-	2265
87,5	87,5	100	100	115	115	115
1448	1380	1015	1200	1240	1240	1155
-	-	-	2410	4075	-	4155
592	578	-	350	325	-	325
2425	-	-	2895	3190	-	4155
1855	1990	-	1745	2015	-	2015
1800	2920	-	1880	1955	-	1955
465	465	465	755	760	760	782
1340	1420	1340	1335	1375	1375	1500
517/0	500/0	-	585 / 85	490 / 85	-	490 / 85
1845	1860	-	2035	2100	-	2100
2430	3430	976	2410	3375	1155	4155
1460	2250	2810	2360	2143	4400	2265
1845	1860	875	2055	2188	1195	2188
-	-	-	3	2,2 / 4	-	2,2 / 4
0.60	0.60	0.60	0.50	0.50	0.50	0.50
3000	3000	-	3000	3000	-	3000
-	-	-	60	60	-	60
900	900	900	900/1060	900/1060/1450	900/1060/1450	1060/1450
Mitsubishi / S4Q2	Mitsubishi / S4Q2	-	Mitsubishi / S4Q2	Mitsubishi / S4Q2	-	Mitsubishi / S4Q2
Diesel	Diesel	-	Diesel	Diesel	-	Diesel
34.6	34.6	-	34.6	34.6	-	34.6
2500	2500	-	2500	2500	-	2500
4 / 2505	4 / 2505	-	4 / 2505	4 / 2505	-	4 / 2505
Approx. 195 kg	Approx. 195 kg	-	Approx. 195 kg	Approx. 195 kg	-	Approx. 195 kg
180	180	180	180	180	180	180
90	90	90	90	90	90	90



GO GREEN

MW SERIES

PILE DRIVING MACHINES



MAZAKA

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