



MAZAKA
HEAVY INDUSTRY



- **PILE DRIVER**

SOLAR • GUARDRAIL • GROUND SCREW

- **SOLAR PANEL CLEANING BRUSH**

CATALOGUE



MAZAKA
GROUP



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HEAVY INDUSTRY



Founded in 1987 and located in the heart of Turkey, Mazaka has been at the forefront of industrial machinery manufacturing for nearly four decades. With a streamlined production process and advanced manufacturing techniques, we operate from a 30,000 square meter indoor facility, which serves as the central hub for our operations. Our high-quality machinery is exported to over 60 countries worldwide, supported by an extensive network of distributors and service providers. This ensures that our customers receive comprehensive after-sales support, minimizing downtime and maintaining the smooth operation of our machines.

Our Mission

At Mazaka, our mission is to design and manufacture durable, high-quality, and innovative machinery that improves efficiency in the solar, construction, and logistics industries. We are dedicated to delivering reliable pile drivers, truck-mounted forklifts, and solar panel maintenance equipment that evolve with the needs of our customers. Through continuous innovation, exceptional service, and a focus on sustainability, we aim to optimize productivity, reduce operational costs, and contribute to a cleaner, more efficient future.

Our Vision

Our vision is to empower industries worldwide with innovative, efficient, and sustainable machinery solutions. We aspire to be a global leader in pile driving, truck-mounted forklifts, and solar panel maintenance technology, delivering high-performance, reliable, and cost-effective equipment. By focusing on excellence, customer satisfaction, and cutting-edge engineering, we shape the future of industrial automation and sustainability in the solar, construction, and logistics sectors.



ENGINE **YANMAR**

HAMMER **1200 JOULE**

MAST **4500 mm**



FOR DETAILED
INFORMATION
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TECHNICAL SPECIFICATIONS

ENGINE	
Make	YANMAR
Power	35 kW / Stage 5 36 kW / Stage 3
Rated Speed	2200 rpm
Fuel Tank	60 l
DPF Filter	Standart on Stage 5 Engine
HAMMER	
Power	1200 Joule
Operating Pressure	120 bar
Hammer Blow Rate	570-1180
HYDRAULIC SYSTEM	
Oil Flow Rate	50-100 l
Oil Pressure	180 bar
Oil Tank	150 l
TRAVEL	
Low / High Speed	2.2 / 4 km/h
Gradeability	20°
Sidewalk	10°
Crawler Type	Rubber

DIMENSION		
Transport Widht	A1	2280 mm
Transport Height	A2	2550 mm
Transport Lenght	A3	2950 mm
Widht of Machine	A1	2280 mm
Height of Machine	A4	4400 mm
Lenght of Machine	A5	3110 mm
Mast Height	A6	4500 mm
Weight	4350 kg	
Rotation	No	
Tilt	10°	
Angle of mast forward	12°	
Angle of mast backward	-63°	

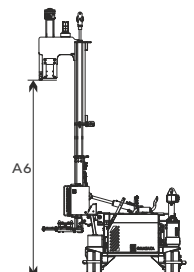
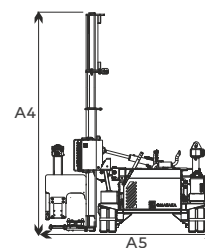
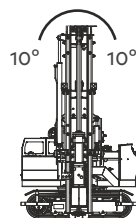
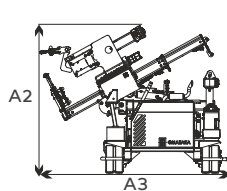
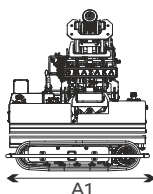
OPTIONAL EQUIPMENT

DTH - Auger - Post Extractor - GPS/GNSS

Remote Control

Hydromotor System For Ground Screw - Auto Leveling

Hammer Height Control System - Laser Meter





ENGINE **YANMAR**

HAMMER **1200 JOULE**

MAST **6100 mm**



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TECHNICAL SPECIFICATIONS

ENGINE	
Make	YANMAR
Power	35 kW / Stage 5 36 kW / Stage 3
Rated Speed	2200 rpm
Fuel Tank	60 l
DPF Filter	Standart on Stage 5 Engine
HAMMER	
Power	1200 Joule
Operating Pressure	120 bar
Hammer Blow Rate	570-1180
HYDRAULIC SYSTEM	
Oil Flow Rate	50-100 l
Oil Pressure	180 bar
Oil Tank	150 l
TRAVEL	
Low / High Speed	2.2 / 4 km/h
Gradeability	20°
Sidewalk	10°
Crawler Type	Rubber

DIMENSION		
Transport Widht	A1	2290 mm
Transport Height	A2	2770 mm
Transport Lenght	A3	3660 mm
Widht of Machine	A1	2290 mm
Height of Machine	A4	3750 mm
Lenght of Machine	A5	3150 mm
Mast Height	A6	6100 mm
Weight		4750 kg
Rotation		No
Tilt		10°
Angle of mast forward		12°
Angle of mast backward		-63°

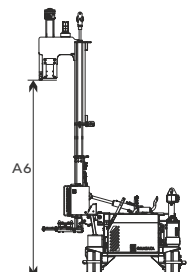
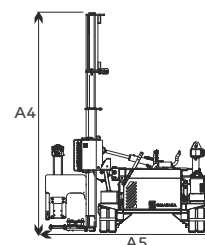
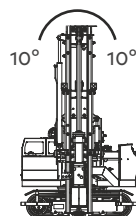
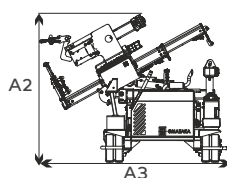
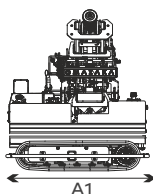
OPTIONAL EQUIPMENT

DTH - Auger - Post Extractor - GPS/GNSS

Remote Control

Hydromotor System For Ground Screw - Auto Leveling

Hammer Height Control System - Laser Meter





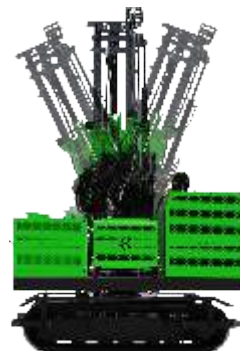
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ENGINE **CAT**

HAMMER **1200 JOULE**

MAST **4700 mm**



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TECHNICAL SPECIFICATIONS

ENGINE

Make	CAT
Power	45 kW / Stage 5
Rated Speed	2200 rpm
Fuel Tank	60 l
DPF Filter	Yes

HAMMER

Power	1200 Joule
Operating Pressure	120 bar
Hammer Blow Rate	570-1180

HYDRAULIC SYSTEM

Oil Flow Rate	50-100 l
Oil Pressure	180 bar
Oil Tank	150 l

TRAVEL

Low / High Speed	2.2 / 4 km/h
Gradeability	20°
Sidewalk	10°
Crawler Type	Rubber

DIMENSION

Transport Width	A1	1980 mm
Transport Height	A2	2365 mm
Transport Length	A3	3820 mm
Width of Machine	A1	1980 mm
Height of Machine	A4	3300 mm
Length of Machine	A5	3550 mm
Mast Height	A6	4700 mm
Weight		4800 kg
Rotation		90°
Tilt		15°
Angle of mast forward		20°
Angle of mast backward		-75°

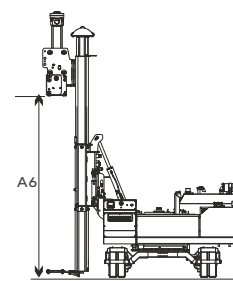
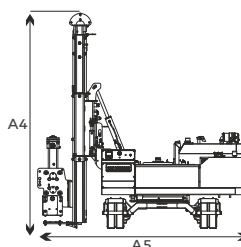
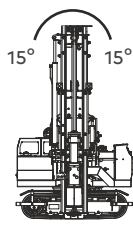
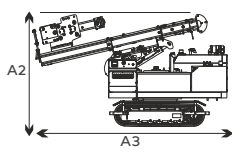
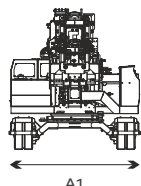
OPTIONAL EQUIPMENT

DTH - Auger - Post Extractor - GPS/GNSS

Remote Control

Hydromotor System For Ground Screw - Auto Leveling

Hammer Height Control System - Laser Meter



MW1000-TXS

SOLAR PILE DRIVER MACHINE



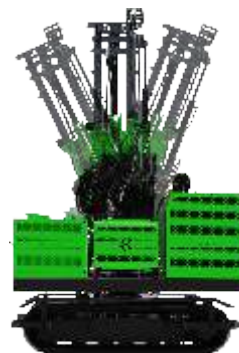
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ENGINE CAT

HAMMER 1500 JOULE

MAST 6500 mm



FOR DETAILED
INFORMATION

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TECHNICAL SPECIFICATIONS

ENGINE	
Make	CAT
Power	45 kW / Stage 5
Rated Speed	2200 rpm
Fuel Tank	60 l
DPF Filter	Yes

HAMMER	
Power	1500 Joule
Operating Pressure	120 bar
Hammer Blow Rate	450 - 980

HYDRAULIC SYSTEM	
Oil Flow Rate	50-100 l
Oil Pressure	180 bar
Oil Tank	150 l

TRAVEL	
Low / High Speed	2.2 / 4 km/h
Gradeability	20°
Sidewalk	10°
Crawler Type	Rubber / Steel

DIMENSION		
Transport Width	A1	2240 mm
Transport Height	A2	2315 mm
Transport Length	A3	4145 mm
Width of Machine	A1	2240 mm
Height of Machine	A4	3780 mm
Length of Machine	A5	3800 mm
Mast Height	A6	6500 mm
Weight		5200 kg
Rotation		90°
Tilt		15°
Angle of mast forward		20°
Angle of mast backward		-75°

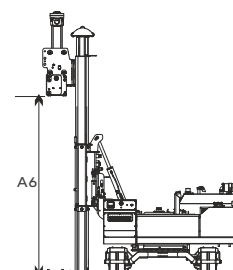
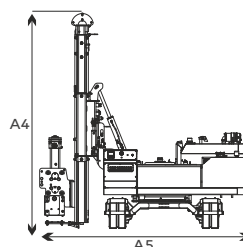
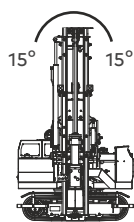
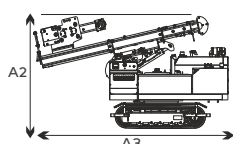
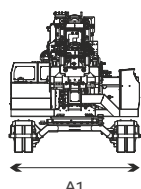
OPTIONAL EQUIPMENT

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Remote Control

Hydromotor System For Ground Screw - Auto Leveling

Hammer Height Control System - Laser Meter



DTH (DOWN THE HOLE)

The **DTH (Down-the-Hole) hammer** is a specialized tool used for drilling and driving piles into the ground, particularly in **rocky, hard, or dense soil conditions** where other methods, such as augers, may not be as effective. The DTH hammer delivers high-impact energy directly to the drill bit, ensuring efficient penetration into tough ground layers.

PRODUCT CODE	DTH HAMMER	DRILLING BIT SIZE RANGE
DTH 3,5"SET	3,5"	90 mm – 102 mm
DTH 4"SET	4"	108 mm – 115 mm 127 mm – 140 mm
DTH 6"SET	6"	152 mm – 165 mm 190 mm – 203 mm
DTH 8"SET	8"	225 mm – 254 mm 302 mm



AUGER (EARTH DRILLING)

The **hydraulic auger** is an essential attachment for pile drivers, designed to efficiently drill holes in the ground for various construction and industrial applications. It consists of a rotating metal shaft or rod equipped with one or more cutting blades at the lower end, allowing it to penetrate soil, clay, and certain types of rock with ease.

PRODUCT CODE	PRODUCT NAME
EDL2016	200 x 1600 mm
EDL3016	300 x 1600 mm
EDL4016	400 x 1600 mm

PRODUCT CODE	HYDROMOTOR	RPM
GSD15	1500 NM	60 – 80
GSD30	3000 NM	30 – 60
GSD60	6000 NM	30 – 60
GSD80	8000 NM	15 – 30
GSD120	12000 NM	10 – 20



POST EXTRACTOR

Post extractor is a specialized attachment for pile drivers designed to **efficiently remove installed posts or piles** from the ground. It is particularly useful for **repositioning, replacing, or decommissioning piles** in various construction, fencing, and infrastructure projects, agricultural, and solar farm applications. The system applies **30,000 Kp of force** to extract posts with minimal effort, preventing damage to both the post and the surrounding ground.



STABILIZER CYLINDER

The **stabilizer cylinder system** is a crucial feature in pile drivers, designed to enhance **machine stability, safety, and precision** during operation. Positioned at **all four corners** of the machine, these **hydraulic cylinders** provide firm ground contact, ensuring that the pile driver remains **steady and level**, even on **uneven or sloped terrain**.



GPS/GNSS

The **GPS/GNSS (Global Positioning System / Global Navigation Satellite System)** is an advanced positioning technology integrated into pile drivers to enhance **accuracy, efficiency, and automation** in pile installation. This system provides **real-time location data**, ensuring that piles are driven with **precision and consistency** according to project specifications.



REMOTE CONTROL

Pile drivers can be equipped with advanced **remote control systems**, offering enhanced **operator convenience, safety, and precision**. There are two primary types of remote control systems:

1. **Crawler Movement Remote Control** – A basic remote system allowing movement control.
2. **Full Remote Control** – A comprehensive system providing complete operational control of the pile driver.



AUTO LEVELLING

The **auto leveling system** of a pile driver is designed to ensure that the machine remains **perfectly level** during operation, regardless of the terrain's **slope or unevenness**. By automatically adjusting the machine's position, this system maintains a **stable and horizontal** working platform, ensuring **optimal pile driving performance**.





SUNLITE SOLAR PANEL CLEANING BRUSH

SL 240 - SL 440 - SL 510 - SL 640

The solar panel cleaning brush is an expertly designed tool that ensures the optimal efficiency and longevity of photovoltaic surfaces. Equipped with soft, non-abrasive bristles, it gently removes dust, dirt, and debris without scratching or damaging delicate panel coatings.



Engineered for ease of use, our models feature an extendable handle for accessing elevated installations, along with an integrated water-flow system for enhanced cleaning performance.



For superior control, the brush is equipped with a proportional valve, allowing precise adjustments for smooth and efficient operation. Additionally, a joystick control ensures effortless maneuverability.

Since both the tractor and brush operate with independent hydraulic oil and cooling systems, they function seamlessly without affecting each other's lifespan.

TECHNICAL SPECIFICATIONS

Brush Length	2.40 mt. / 4.40 mt / 5.10 mt. / 6.40 mt
Brush Diameter	300 mm
Brush Material	UV-Resistant Mixture of Plastics For a Gentle cleaning of Glass Surfaces
Drive	Fully Hydraulic Tractor Requirements : 4x4 tractor with a minimum weight of 5 tons Min. 540 rpm PTO is required to operate the hydraulic and water pump.
Weight	800 kg for 5.1 mt brush
Control Unit	The 12V power supplied from battery is used to control the remote, solenoids, and valves. It enables the tower rotation, lifting – lowering, folding, brush tilt, and brush rotation movements. Water supply to the brush is controlled independently with a separate button.
Driving Speed	2.5 km/h
Carrying Bracket	Designed to attach to a three-point rear hitch, enabling quick and effortless swapping of water tanks.
Brush Speed	The brush speed should exceed 120-150 rpm. The speed can be controlled using either the accelerator pedal or the throttle located at the swivel joint.
Water Quality	Use Only Rainwater or Softened Water For The Cleaning Process. Under No Circumstances Utilize Hard Water.
Water Amount	5.1-meter brush requires 40 liters of water per minute.
Water Pump	The tractor's PTO-driven water pump delivers 200 litres per minute at 4 bar pressure when the engine is running at 540 rpm.
Tank (800 lt.)	The carrying bracket is mounted at the rear to facilitate the quick tank changing system, allowing for fast and effortless water tank replacement.
Settings For Automatic Leveling	The pressure in the buffer tank required for precision is adjusted by a valve. We recommend a setting of 5 kg per running metre of brush for frameless modules and between 5-8 kg for framed modules.

 **ADJUSTABLE WATER CONSUMPTION**

 **MINI LEVER CONTROL**

 **MODULAR DESIGN**

 **180 DEGREE RANGE OF MOTION**

 **CAPABILITY OF BOTH WET & DRY CLEANING**



Our advanced brush stands out with its self-contained hydraulic pump, generating its own power to eliminate any additional load on the tractor, excavator, or mini loader.

APPLICATION

Tractor • Excavator • Telehandler • Skid-steer • Mini-loader • Rought terrain truck



MAZAKA

HEAVY INDUSTRY



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www.mazaka.eu

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Mazaka Heavy Industry is a Mazaka Group of Companies