GMS | GALMETSAN MACHINERY

Product Catalog

Pile Driving Machine for Barriers and Solar Energy Systems



5 Years / 5000 Hours
Engine Warranty

1 Year
Unconditional Full Warranty

Fuel Efficiency
Low Fuel Consumption

108 dB
Low Noise

Low Emissions
Euro 3 / Euro 5 Tier Final 4

From experience to production, From production to the field.



1979
Metal industry

2005
Galvanizing investment

2016
Machinery manufacturing

With roots dating back to 1979, Galmetsan built its expertise in the metal industry. Following its investment in hot-dip galvanizing in 2005, the company expanded into machinery manufacturing in 2016 with the establishment of GMS Galmetsan Makine Sanayi.

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GMS4000

YELLOW

Pile Driving Machine for Barriers and Solar Energy Systems.



PERFORMANCE & EQUIPMENT

1200 J
Impact energy

49 HP
Yanmar / 4-cylinder diesel

2600 / 4000 mm
Driving height

GMS HMT 101

1000-1500 blows/min
440 kg hammer weight

Danfoss hydraulics

Danfoss Hydraulic Component
180 L hydraulic oil tank

Tracked travel

2.4-4 km/h, two speeds
Automatic leveling system

Engineering in the Details

Studio views of the engine, controls and hydraulic system.







01 **Yanmar engine**

4-cylinder diesel power unit. 70 L fuel tank.

49 HP / 36 kW[1]

02 **Hydraulic control**

Danfoss Hydraulic Component

180 L hydraulic oil tank

03 / Automatic leveling adjusts the angle to 90° according to the terrain during travel.

[1] The 36 kW value refers to engine power.

GMS4000

Pile Driving Machine for Barriers and Solar Energy Systems



Hammer Unit 01

GMS HMT 101
1200 J • 1000-1500 blows/min

2600 / 4000 mm driving height

Engine Compartment 02

Diesel power unit layout.
Body panels shown separated.
Noise-reducing, sound-damping inner lining.

Exterior / studio reference

Yanmar Engine 03

4 cylinders • 49 HP / 36 kW[1]
Diesel fuel • 70 L tank

Power and fuel system

Danfoss Hydraulics 04

Danfoss Hydraulic Component.
180 L hydraulic oil tank.

Automatic leveling system

Chassis + Tracks 05

Two-speed travel: 2.4-4 km/h.
1900 mm width between tracks.

1900 × 450 × 250 mm tracks

[1] kW is a unit of power.

GMS4000

BLUE-WHITE

Pile Driving Machine for Barriers and Solar Energy Systems.



PERFORMANCE & EQUIPMENT

1200 J
Impact energy

49 HP
Yanmar / 4-cylinder diesel

2600 / 4000 mm
Driving height

GMS HMT 101

1000-1500 blows/min
440 kg hammer weight

Danfoss hydraulics

Danfoss Hydraulic Component
180 L hydraulic oil tank

Tracked travel

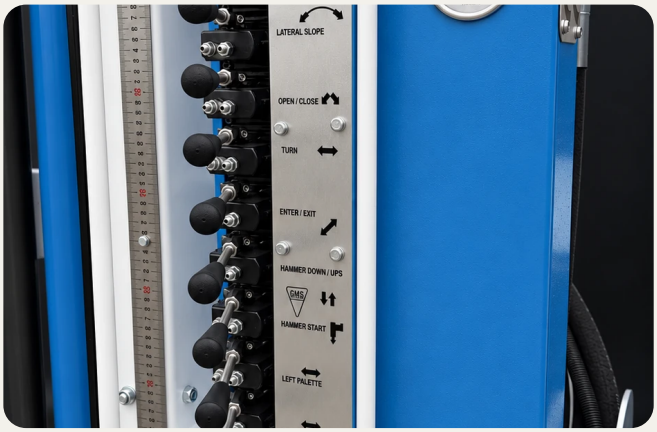
2.4-4 km/h, two speeds
Automatic leveling system

Engineering in the Details

Studio views of the engine, controls and hydraulic system.







01 **Yanmar engine**

4-cylinder diesel power unit. 70 L fuel tank.

49 HP / 36 kW[1]

02 **Hydraulic control**

Danfoss Hydraulic Component

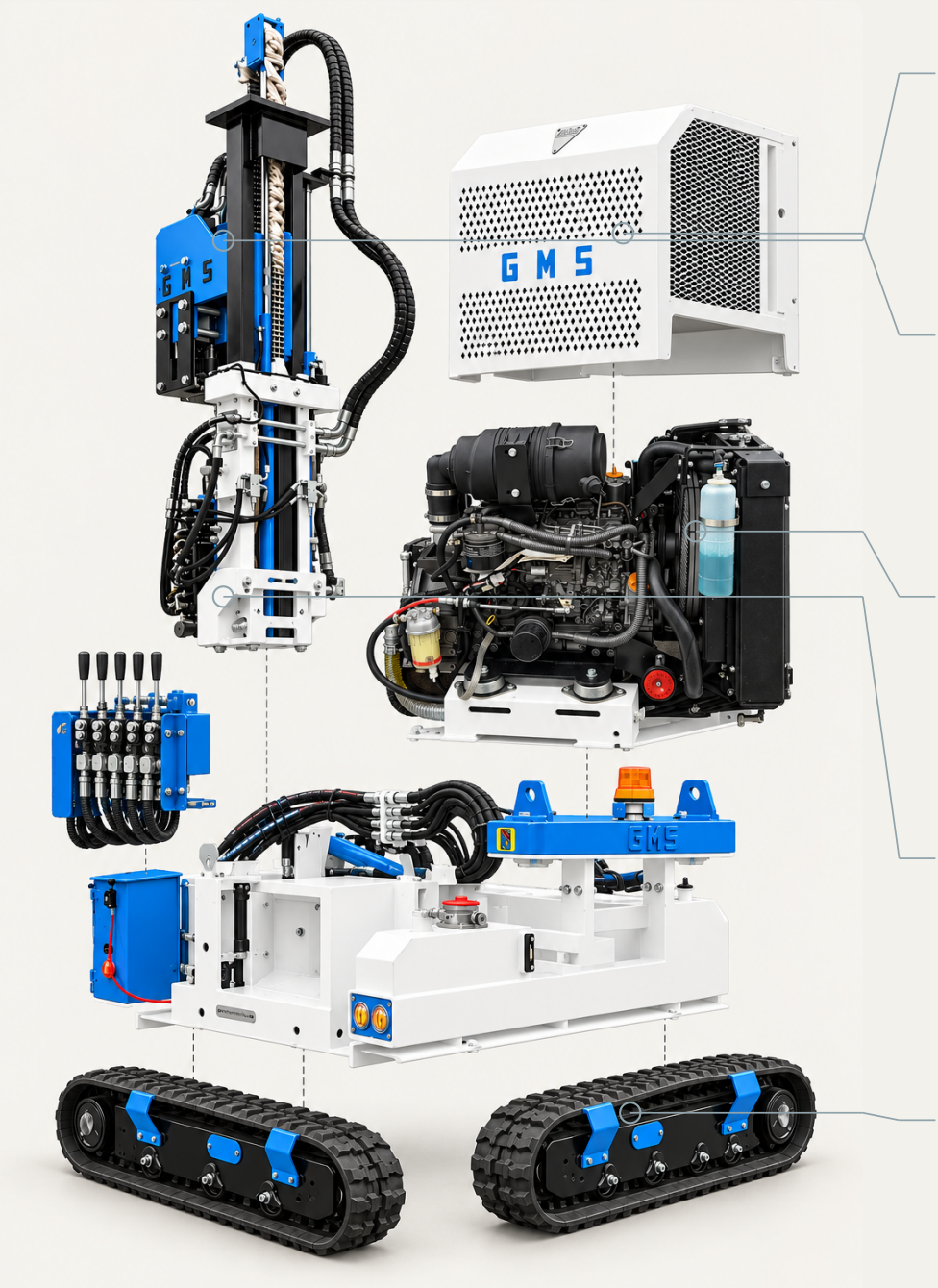
180 L hydraulic oil tank

03 / Automatic leveling adjusts the angle to 90° according to the terrain during travel.

[1] The 36 kW value refers to engine power.

GMS4000

Pile Driving Machine for Barriers and Solar Energy Systems



Hammer Unit 01

GMS HMT 101
1200 J • 1000-1500 blows/min

2600 / 4000 mm driving height

Engine Compartment 02

Diesel power unit layout.
Body panels shown separated.
Noise-reducing, sound-damping inner lining.

Exterior / studio reference

Yanmar Engine 03

4 cylinders • 49 HP / 36 kW[1]
Diesel fuel • 70 L tank

Power and fuel system

Danfoss Hydraulics 04

Danfoss Hydraulic Component.
180 L hydraulic oil tank.

Automatic leveling system

Chassis + Tracks 05

Two-speed travel: 2.4-4 km/h.
1900 mm width between tracks.

1900 × 450 × 250 mm tracks

[1] kW is a unit of power.

Yanmar Diesel

POWER UNIT

The four-cylinder diesel power unit for the GMS4000 model.



Engine power

49 HP

Engine power[1]

36 kW

Diesel fuel tank

70 L

Low noise[2]

108 dBA

ENGINE & EMISSIONS OPTIONS

Euro 3 | **Euro 5** | **Tier Final 4**

The engine code and option suited to the destination country are specified when ordering.

[1] kW is a unit of power. [2] GMS describes this as low-noise operation; the product table does not specify the measurement type or conditions.

Danfoss Hydraulics

CONTROL & POSITIONING

Danfoss Hydraulic Component and automatic leveling system.



GMS4000



GMS4000

Automatic leveling

90°

Continuous angle adjustment to suit the terrain.

Positioning and travel assistance

Hydraulic Pump

Danfoss

Hydraulic Component

Hydraulic oil tank

180 L

GMS4000

GMS HMT 101

A hydraulic hammer unit for pile driving applications.

IMPACT SYSTEM



Impact energy

1200 J

Blows per minute

1000–1500

Hammer weight

440 kg

Machine driving height

2600 / 4000 mm

APPLICATION

Hydraulic impact system for pile driving applications on GMS4000 machines.

Ground contact.
Two-speed track system.





2.4-4 km/h
Travel speed

1900 mm
Width between tracks

TRACK DIMENSIONS
1900 × 450 × 250 mm

Control Section

GMS4000 Control Section.
Danfoss PVG32 Series.

OPERATOR WORKSTATION



GMS4000

The control section of the GMS4000 in yellow and blue-white.



GMS4000

CONTROLS & POSITIONING

Hydraulic controls

Danfoss Hydraulic Component and 180 L oil tank.

Automatic leveling

Continuous adjustment to 90° according to the terrain during travel.

Refer to the machine operating manual for control functions and operating procedures.

Engine and hydraulics.

Technical specifications for both colour options of the GMS4000.

01 Engine + fuel	GMS4000 Yellow	GMS4000 Blue-white
Engine make	Yanmar	Yanmar
Engine power	49 HP / 36 kW[1]	49 HP / 36 kW[1]
Cylinders / fuel	4 / Diesel	4 / Diesel
Fuel tank	70 L	70 L
Emissions options[2]	Euro 3 / Euro 5 Tier Final 4	Euro 3 / Euro 5 Tier Final 4
Noise value[3]	108 dBA	108 dBA

02 Hydraulic system	GMS4000 Yellow	GMS4000 Blue-white
Hydraulic equipment	Danfoss	Danfoss
Hydraulic Pump[4]	Danfoss Hydraulic Component	Danfoss Hydraulic Component
Hydraulic oil tank	180 L	180 L
Drilling oil pressure[5]	90/120 bar	90/120 bar

[1] kW is a unit of engine power. [2] Options are listed by GMS; the engine code and configuration for the destination country are specified when ordering.

[3] GMS describes this value as "low-noise operation". The product table does not specify the noise measurement type or conditions.

[4] Danfoss Hydraulic Component. [5] Operating conditions for the pressure options are confirmed in the quotation. Oil flow is omitted because no unit is published.

Driving and travel.

Working unit, track system and machine dimensions.

03 Pile driving system	GMS4000 Yellow	GMS4000 Blue-white
Hammer	GMS HMT 101	GMS HMT 101
Impact energy	1200 J	1200 J
Blow rate	1000-1500 / min	1000-1500 / min
Hammer weight	440 kg	440 kg
Driving height	2600 / 4000 mm	2600 / 4000 mm

04 Travel + dimensions	GMS4000 Yellow	GMS4000 Blue-white
Travel speed	2.4-4 km/h	2.4-4 km/h
Width between tracks	1900 mm	1900 mm
Track dimensions	1900 × 450 × 250 mm	1900 × 450 × 250 mm
Total weight	3500-3800 kg	3500-3800 kg

PROJECT-SPECIFIC CONFIGURATION

Driving height and weight depend on the selected equipment. Share the profile cross-section, profile length and target depth before requesting a quotation.

Maintenance & Support

After-sales support with engine and machine warranties.

WARRANTY SUPPORT



YANMAR ENGINE

5 Years

5000 Hours

Engine Warranty

1 Year

Unconditional

Full Warranty



Production & Certified Quality

TÜV AUSTRIA

GMS4000

Certificate of conformity covering the evaluated sample and technical file.



ZERTIFIKAT | CERTIFICATE | CERTIFICAT | CERTIFICADO | СЕРТИФИКАТ | شهادة | 证书 | 인증서

TÜV AUSTRIA

CERTIFICATE

Certificate - No.: 18-IS-1569-TAT-26-MD-0088

Applicant	:	GALMETSAN GALVANİZLİ METALLER ÇELİK KONSTRÜKSİYON SAN. VE TİC. LTD. ŞTİ. Hacı Sabancı Organize San. Böl. Zafer Cad.No: 14 YAKAPINAR ADANA TURKEY
Product	:	GMS MOBILE PILE DRIVING MACHINE
Type/Model(s)	:	# GMS 4000 #
Certification Basis	:	2006/42/EC Machinery Directive 2014/30/EU Electromagnetic Compatibility Directive EN ISO 12100:2010 EN 500-1+A1 :2011 EN 60204-1:2018 EN 61000-6-2:2019

This Certificate is issued on a voluntary basis according to Machinery Directive 2006/42/EC. It conforms that the listed equipment complies with the essential safety requirements of the directive. It refers only to the sample and its technical file submitted for conformity assessment.

Reference Technical File No	:	**Galmetsan Technical File**
First Issue Date	:	**05.10.2017 - 17-IS-0775-TAT-17-MAD-1000**
Issue Date	:	**29.01.2026**
Expiry Date	:	**29.01.2027**

The certificate is valid as long as the standards and legislation are current and annual audit is performed with satisfactory results.

For and on behalf of
TÜV Austria Turk Belgelendirme
Eğitim ve Gözetim Hizmetleri Ltd.Şti.
Mutlu DEMİR
Product Certification Ope. Manager

After preparation of the necessary technical documentation as well as the declaration of conformity the required CE marking can be affixed on the product. Other relevant directives have to be observed.

This Certificate has been granted to the applicant based on the results of testing performed by the applicant/manufacturer or an accepted laboratory and the consequent review of the test report by TÜV AUSTRIA TURK. Revisions to the referenced certification basis or any change of the design, materials, components or processing may require the repetition of all or some of the qualification tests in order for the test report and therefore this associated certificate to remain valid.

CRT-AUD-101 Certificate of Conformity_MD
Revision: 01 Date: 09.03.2020
Page 1/1

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Çamlık Mah. İkbal Cad.
Dinç Sk. No:28 PK:34774
Ümraniye / İSTANBUL
E-mail: infoturkey@tuv.at

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Attachments & Profile Compatibility

Matching the steel profile, driving head and machine to your project requirements.



01

Profile geometry

Overall dimensions, wall thickness, lip geometry and cross-section are assessed together.

02

Head matching

The profile drawing, material and length guide the selection of the appropriate driving head and machine.

03

Scope of supply

The head code and profile drawing are checked before shipment. The attachment scope is defined in the quotation.

SHARE YOUR PROFILE

Cross-section drawing + profile length + target depth. Head and attachment compatibility is assessed for each project.

Choose for Your Application

GMS4000: One model, in yellow and blue-white.



GMS4000

Yellow



GMS4000

Blue-white

Profile & target

Cross-section drawing, length, weight and target driving depth.

Ground conditions

Ground investigation report, site conditions and any trial results.

Site & access

Slope, working area, access routes and transport.

Work schedule

Daily work plan, number of profiles and installation sequence.

ENGINE & DELIVERY CONFIGURATION

Euro 3 / Euro 5 / Tier Final 4

The quotation specifies the engine code, country requirements, driving head, attachments, transport, training and service scope.

GMS | GALMETSAN MACHINERY

Pile Driving Machine for Barriers and Solar Energy Systems



GMS4000 **GMS4000**

Let's Discuss Your Project

+90 (322) 394 51 41

info@galmetsanmakine.com

Hacı Sabancı Organized Industrial Zone
Zafer Cad. No: 14, Yakapınar / Adana - Türkiye

Save Contact