

Introduction

Hilal Makina: Engineering and Manufacturing Capabilities

Your Design and Manufacturing Partner for
Industrial Solutions

2026



About Us

We're Shaping the Future with Years of Experience



Hilal Makina specializes in the design and manufacture of custom machinery for industrial facilities.



By offering our customers **turnkey** solutions, we provide full support from the design phase through installation.



We manufacture competitive, high-quality products that meet industry standards for **both domestic and international** markets.



As Hilal Makina, we are proud to be among the top choices for projects that require **high-precision** machining and manufacturing.

Our Main Areas of Operation

Manufacturing and Design Capabilities in a Critical Strategic Sector



Heavy Industry

Iron, Steel, and Heavy Industry Solutions

Durable and Robust Equipment for Demanding Conditions



01

We have achieved remarkable success in the manufacturing of heavy-duty, high-precision parts for the heavy industry sector.

02

Manufacturing of special alloy metals for areas exposed to high temperatures, such as rolling mills and arc furnaces. We manufacture cutting and shearing dies, as well as custom-made consumables.

03

We manufacture power transmission system components — such as gear couplings, shafts, and axles — that enhance the operational efficiency of facilities through conveyor systems and loading/unloading units.

Power Plants and Refinery Equipment

Manufacturing for Critical Sectors
Requiring High Security and

Precision



1. Refining Industry

Manufacture of pressure vessels and storage tanks
Heat exchangers and piping systems
Refinery maintenance and modernization components



2. Power Plants

Turbine auxiliary equipment and frames
Design of flue and duct systems
Structural components of power transmission lines



Cement and Mining Sector

Wear-Resistant and High-Capacity Systems



We manufacture spare parts for crushing, screening, and washing plants in the mining industry.



We offer solutions that support environmental compliance through dust collection and filtration systems.



Manufacturing of rotary kiln components and cooling unit components used in cement plants; manufacturing of crusher shafts and power transmission components.



Maritime and Seabed Survey Technologies

Specialized Equipment for Underwater and Surface Operations



1. We manufacture equipment with high corrosion resistance for ship and marine operations.



2. We manufacture mechanical arms, buckets, and pump frames for dredging systems.



3. We provide structural steel solutions for port cranes and wharf equipment.



Our Defense Industry Capabilities

Precision Engineering and Robust Infrastructure for National Defense



We manufacture high-precision parts in accordance with defense industry standards.



We specialize in custom-designed military vehicle chassis and structural components.



We ensure full compliance with confidentiality and quality protocols for strategic projects.



Recycling and Machinery Manufacturing

Sustainability and Advanced Technology Combined



Recycling

Waste sorting and crushing systems
Plastic and metal recycling lines
Custom-designed presses and balers



Machinery Manufacturing

Custom prototype device development
Automation-compatible mechanical systems
Mass production or small-batch manufacturing options



Our Design and Engineering Process

A Professional Approach from Concept to Final Product



Our Machine Fleet-1

With our modern machinery and technical expertise, we provide high-precision, custom manufacturing solutions for your projects.

01

TOS WHO 13 CNC BORWERK - MULTI-HEAD (X5500-Y3000-Z1200-W800)

1



2



02

YOUJI-VTL2500ATC+C AXIS (Ø3200 × 2000)

3



4



03

VTEC VISION WIDE CNC MILLING MACHINE - (X3200 - Y2200 - Z1200)

04

MOMENTUM MFB-40 (Ø1500X4200)

Our Machine Fleet-2

With our extensive experience and our machine fleet tailored for custom manufacturing, we offer professional solutions for your projects.

01

ZEISS UMC 850/1200 X850-Y1200-Z600
CMM (3-D Benchtop/Fixed Coordinate Measuring Machine)



02

Faro Platinum CAM2 ARM 7-Axis X2400-Y2400-Z1200 CMM 6-Inch 3D Portable Measuring Device



03

DMU 80 P Hi-Dyn (5-Axis CNC Machining Center) X800 × Y700 × Z600 mm 3



04

A - DMF 360 Linear (CNC Vertical Machining Center) X3600-Y1100-Z900 mm 4
B - BRETON ULTRIX 1000 RT (CNC 5-Axis Machining Center) Ø1100 -



Our Machine Fleet-3

We provide solutions based on both our experience and our specialized machinery for custom manufacturing.

01

Our Own Resources

We currently have a machine fleet capable of precision manufacturing, supported by 33 state-of-the-art technologies, each with significant capabilities among its peers in 5 distinct categories.

02

Our Partner Resources

For machinery that is not required for continuous production but is needed for 10% or less of total production, we utilize up to 50 additional sets of machinery under contracts with sister companies and business partners, supplementing our own capacity.

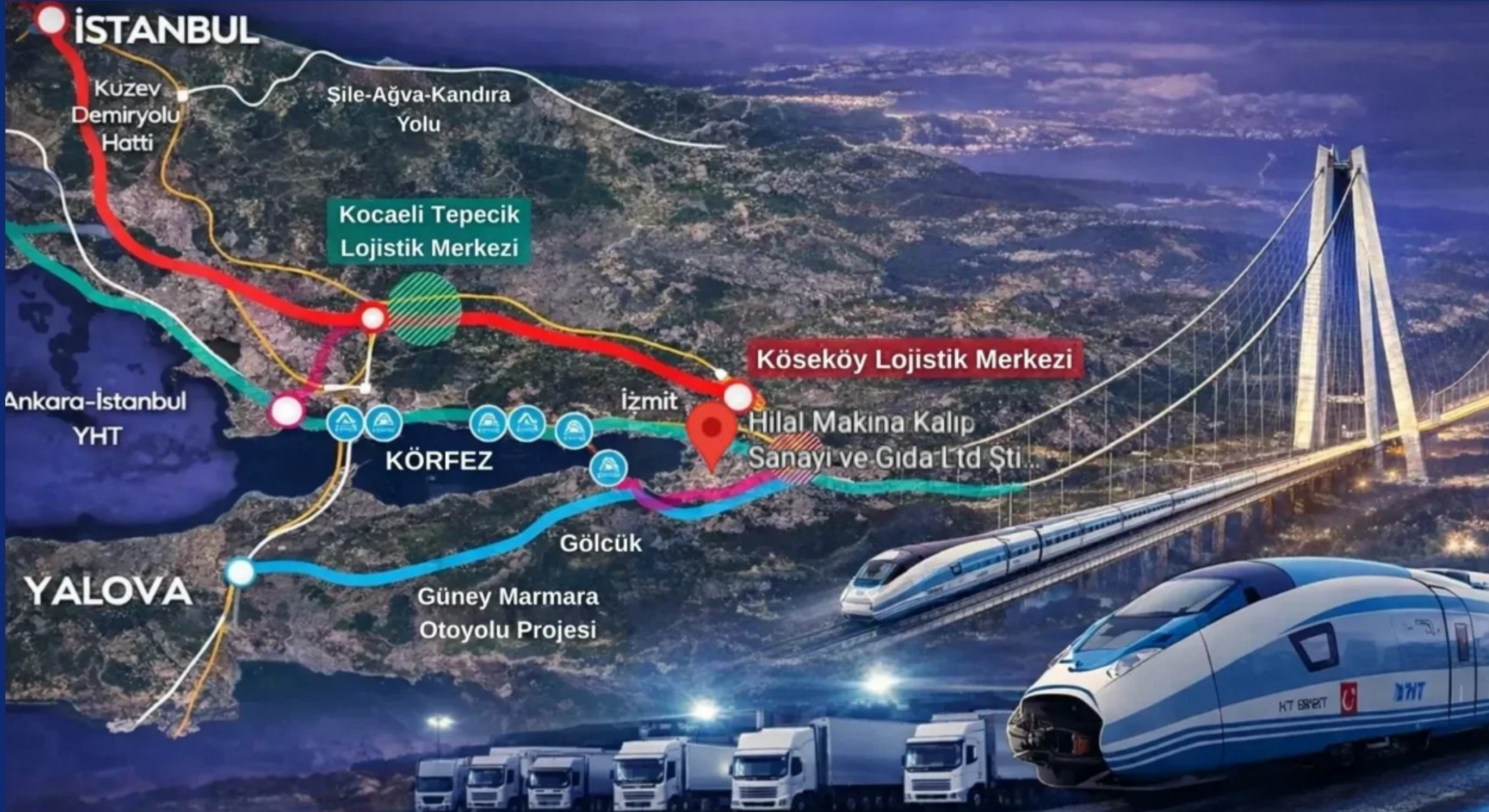
Makina Parkurumuz



	MAKİNA İSMİ	MAKİNA TİPİ	KAPASİTE (MM)
1	YOUJI-VTL2500ACT+C AXIS	CNC Dik Torna	Ø3100X1850 + C AKSİS (MAKSİMUM EBAT)
2	YOUJI-VTL1200ACT	CNC Dik Torna	Ø1600X1400
3	MUSTEK-CJK5118	CNC Dik Torna	Ø1800X1000
4	SCHIESS-FRORIEP	CNC Dik Torna	Ø1800X1200
5	DOOSAN PUMA	CNC Dik Torna	Ø650X1700
6	BRETON ULTRIX 1000 RT	CNC 5 Eksen İşleme Merkezi	Ø1100-X1000-Z800-E900 (MAKSİMUM EBAT)
7	DMU 80 P Hi-DYN	CNC 5 Eksen İşleme Merkezi	X800-Y700-Z600
8	MAZAK INTEGREX 200Y	CNC 5 Eksen İşleme Merkezi	Ø530X1065
9	MOMENTUM-MFB-4040	CNC Yatay Torna	Ø1200 X 4200 (MAKSİMUM EBAT)
10	VDF CNC WOLLG	CNC Yatay Torna	Ø800X3500
11	MORI SEIKI - ZL25	CNC Yatay Torna	Ø550 X 2000
12	MAZAK SUPER QUICK TURN 300M	CNC Yatay Torna	Ø310 - 1000 + C AKSİS
13	PINACHO SMART TURN 6	CNC Yatay Torna	Ø620 X 1500
14	WHO 13 CNC BORWERK	CNC Yatay İşleme Merkezi	X5500-Y3000-Z1250-W800 (MAKSİMUM EBAT)
15	WHO 13 CNC BORWERK	CNC Yatay İşleme Merkezi	X3500-Y3000-Z1250-W750 (MAKSİMUM EBAT)
16	YOUJI-HBM 130 BORWERK	CNC Yatay İşleme Merkezi	X2500-Y2000-Z1200-W800
17	DMF 360 LINEAR	CNC Dik İşleme Merkezi	X3600-Y1100-Z900
18	VTEC VISION WIDE	CNC Dik İşleme Merkezi	X3200 -Y2050-Z1200
19	AGMA BDO 3223 CNC FREZE	CNC Dik İşleme Merkezi	X3200 -Y2400-Z1500 (MAKSİMUM EBAT)
20	HAAS VF-4	CNC Dik İşleme Merkezi	X1270-Y508-Z635+CNC 4. EKSEN DİVİZÖR
21	MORI SEIKI CNC FREZE	CNC Dik İşleme Merkezi	X400-Y750-Z300
22	MAZAK WQC-20 FREZE	CNC Dik İşleme Merkezi	X500-Y1000-Z400
23	MAHO MH 700 FREZE	NC FREZE	X500-Y700-Z400
24	MAHO MH 1700 FREZE	UNIVERSAL FREZE	X750-Y1700-Z600
25	TOS UNIVERSAL FREZE	UNIVERSAL FREZE	X500-Y1000-Z400
26	UNIVERSAL TOSN75	Convensional Torna	Ø1200X8000 (MAKSİMUM EBAT)
27	JETCO JML-8030B	Convensional Torna	Ø720X4000
28	JETCO JML-6620B	Convensional Torna	Ø720X3000
29	UNIVERSAL TOSN50	Convensional Torna	Ø300X600
30	THULE M188	Dik Planya	X500-Z360
31	Faro Platinum CAM2 ARM	CMM (3 Boyutlu Seyyar Ölçüm Kolu)	7 Axis X2400-Y2400-Z1200 (MAKSİMUM EBAT)
32	ZEISS UMC 850/1200	CMM (3 Boyutlu Masa Tipi/Sabit Ölçüm Cihazı)	X850-Y1200-Z600 (MAKSİMUM EBAT)
TAŞLAMA ATÖLYEMİZ (PARTNER FİRMA EŞLİĞİNDE)			
33	STANKO	Silindirik Taşlama Makinası	Ø800X8300 MAKSİMUM EBAT
34	EM1983	Silindirik Taşlama Makinası	Ø600X3200
35	UMU	Silindirik Taşlama Makinası	Ø350X1500
36	UMU YHI	Silindirik Taşlama Makinası	Ø320X2000
37	STANKO	Silindirik Taşlama Makinası	Ø800X4200
38	WMW - X	Silindirik Taşlama Makinası	Ø320X1500
39	FAVRETTO	Satıh Taşlama Makinası	650MM X 2500MM MAKSİMUM EBAT
40	ABA	Satıh Taşlama Makinası	300MM X 600MM
41	ALPA	Satıh Taşlama Makinası	600MM X 1600MM
42	UMU	Delik Taşlama Makinası	Ø470MM X 300MM MAKSİMUM EBAT
43	D2 JUNG	Delik Taşlama Makinası	Ø150X350
44	WMX SU 316	Delik Taşlama Makinası	Ø200X500
45	KEHREN	Disk Taşlama Makinası	Ø1000X400 MAKSİMUM EBAT

Kocaeli: Strategic Logistical Advantage

In the Heart of Industry, We're Close to Global Markets



01

We enjoy a strategic location advantage thanks to our headquarters in Kocaeli, the heart of Turkey's industrial sector.

02

Thanks to the new railway and logistics park connections, we are gaining speed in both road and rail transportation.

03

Thanks to our proximity to international ports, we offer low-cost and fast delivery for international shipments.

Quality and Standards

We meticulously adhere to international quality standards at every stage of our production, continuously improve our processes, and guarantee our customers reliability, durability, and long-lasting performance.



Corporate

Why Hilal Makina

A Strong Partner to Take You into the Future



Robust infrastructure, extensive fleet of machinery, and technical equipment capacity.



Expert Staff: A team of experienced engineers and qualified technicians.



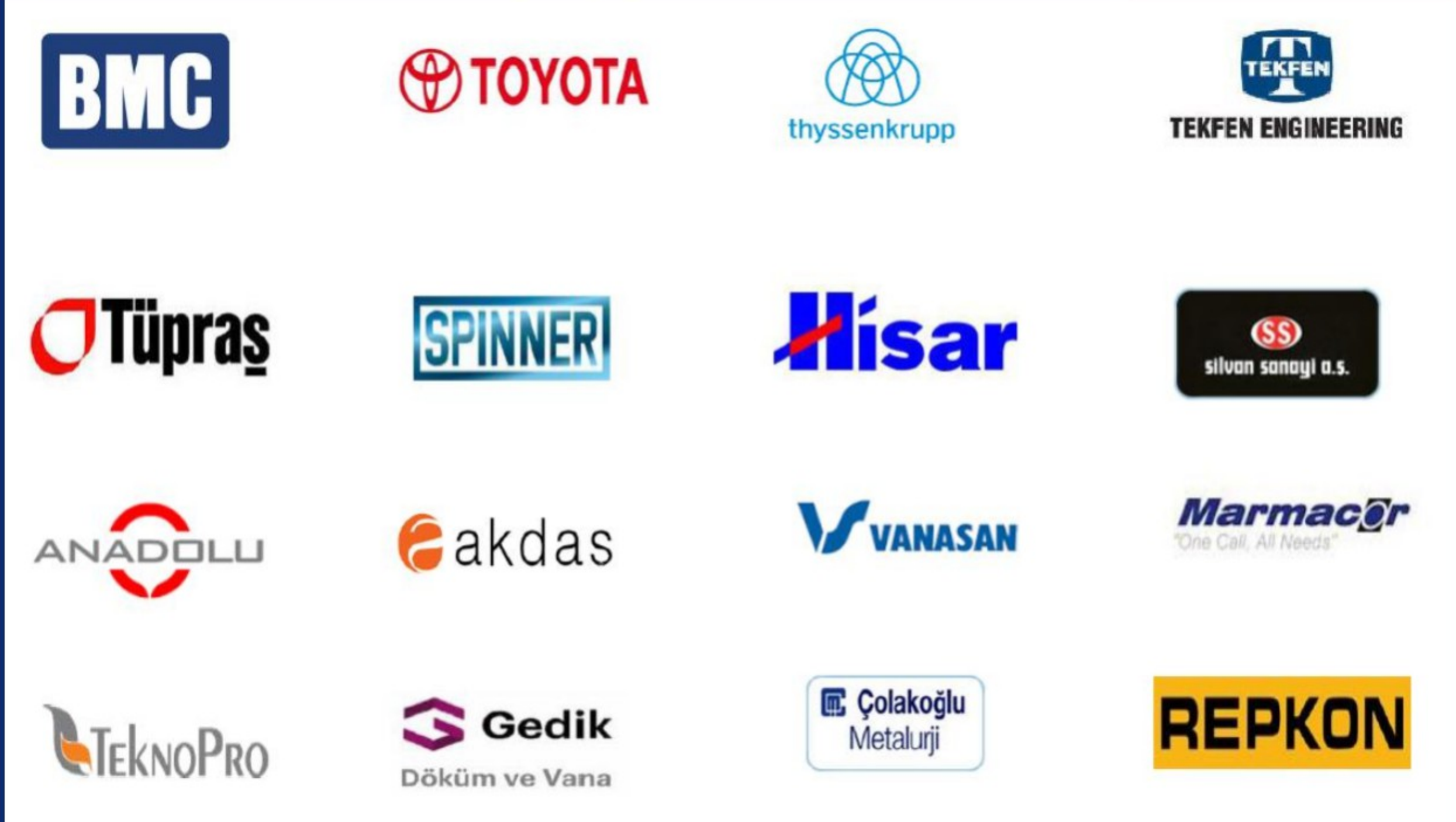
Global Vision: Experience in manufacturing and exporting to international standards.



Field Experience and Achievements, Unparalleled industry experience and recognized achievements

Hilal Makina: Production and Our References

Let's Bring Your Projects to Life Together Our professional team is here to support you with all your machine manufacturing and design projects. At our Kocaeli-based facility, we develop innovative solutions to even the most challenging engineering problems. Please contact us for a quote and detailed information about your projects.



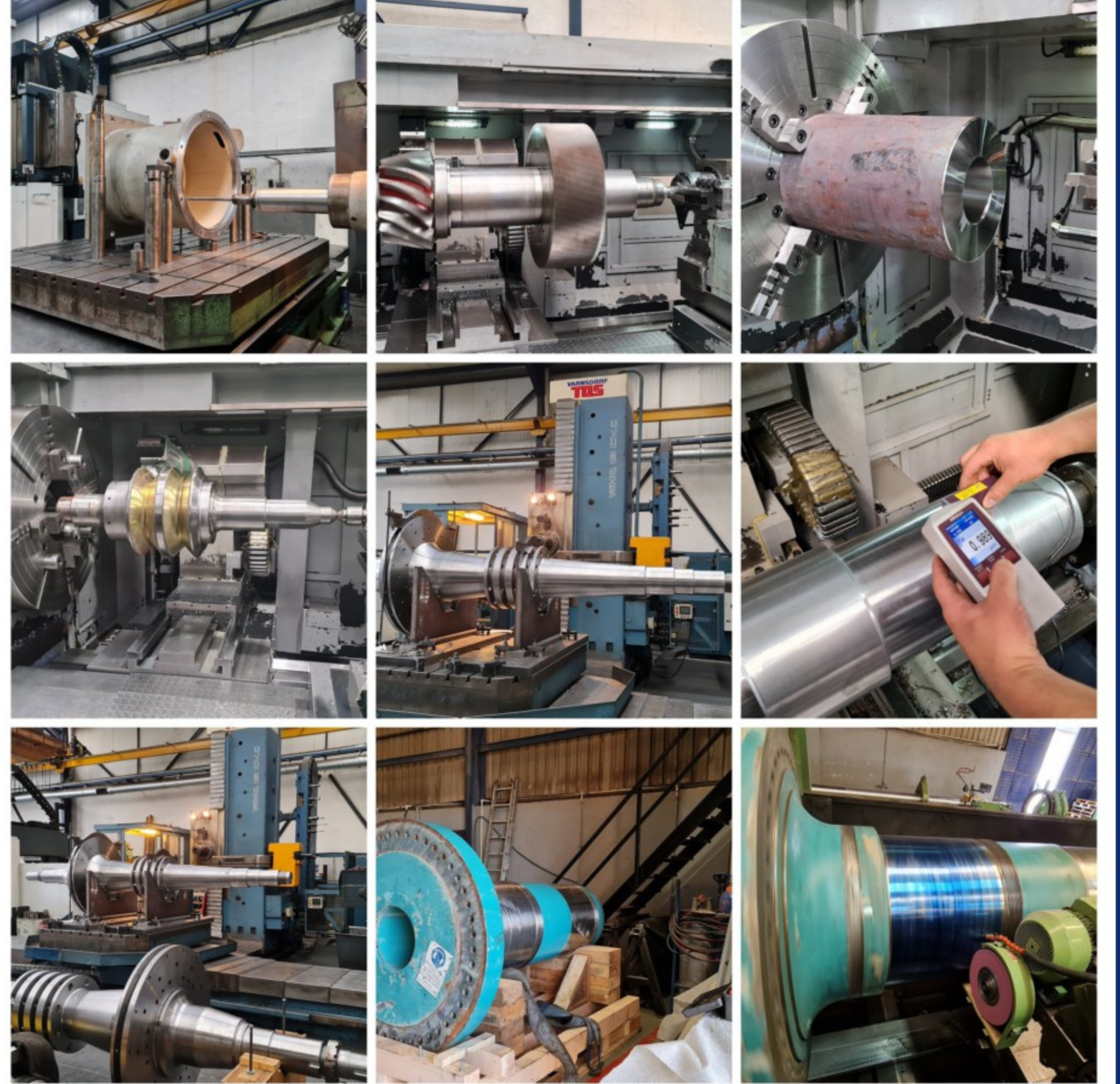
Hilal Makina Contact

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Adres : Karadenizliler Mah. Yıldız Sok. No:8 BAŞİSKELE/
KOCAELİ

Telefon :+90 262 239 85 00 Fax :+90 262 229 75 26

E-Mail: hilalmakina@hilalmakina.com



**Thank You
Genel Manager:
Sefa AYVAZ**

