



ADALI GRUP
Dış Ticaret A.Ş

/ADALI
Makina

/ADALI
Kauçuk

/ADACO
Maschinentechnik GmbH

Adali Grup Companies
Capabilities & Processes

1984

ADALI
Makina

2004

ADALI
Kauçuk

2010

Expansion of the
production area

2016

Adali signed
a partnership
with Valmet Metso

2017

Started working with
european Group
companies

2019

ADACO
Maschinentechnik GmbH

2020

Investment in
new area

General Overview



Total closed area: 27.500 m²

Lifting capacity: 60 ton

Total staff: 300

ADALI MAKINA

Steel component production capacity

3.000 ton/year

ADALI KAUCUK

Roller production capacity

1000 Rollers D>1000 mm

3.000 Rollers D< 1000 mm

General Overview



Locations

Adalı Group Locations are:

- Just 17 km to the seaport and railway station
- 125 km to European Union (Greece & Bulgaria)
- 125 km to Istanbul Airport



Adalı is all around the World!

YTONG-BİLECİK (Xella Project) YTONG-ISTANBUL ÇATALCA (Xella or WKB Project) YTONG-SARAY (Xella Project) YTONG DILOVASI (Xella Project) EGE GAZ BETON (Masa Project) Kahramanmaraş Çimento Sanayi (Masa Project)



YTONG-ISTANBUL ÇATALCA
(Xella or WKB Project)

YTONG-SARAY
(Xella Project)

YTONG
DİLOVASI
(Xella Project)

YTONG-
BİLECİK
(Xella Project)

EGE GAZ BETON
(Masa Project)

Kahramanmaraş
Çimento Sanayi
(Masa Project)



AAC Plant equipment Production and Installation areas in Turkey

6 Companies

The Adalı Machinery;

According to production of the gas concrete plants, we serve our costumer by manufacturing the components and install them on site.

References

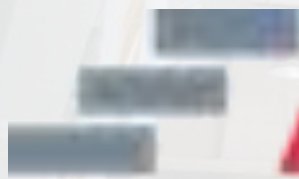
AAC Plant Manufacturers

masa

Milestone to your success.

 **HESS AAC SYSTEMS**

xella

 **AIRCRETE**
EUROPE

Werhahn
Ein Name verbindet

WKB

International End Users

FORTEM
SUSTINE CONSTRUCTIV

Modern
CONCRETE
All Products

 **ARTON**

 **akfa**

Local Customers

YTONG®

 **EGE**
GAZBETON

 **KİPAŞ HOLDİNG**

Quality Management Systems

- ISO 9001 : Quality Management Systems
- ISO 14001 : Environmental Management System
- ISO 45001 : Occupational Health and Safety Management System
- ISO 5001 : Energy Management Systems
- ISO 3834-2 : Quality Requirements for Fusion Welding of Metallic Materials
- EN 1090-1 : Execution of steel structures and aluminium structures



Overview Quality Control

Non-Destructive Testing	Testing of Polymeric Materials	Testing of Weld Joints	Dimensional Measurement
• Ultrasonic Testing (UT) Level 2 ISO 9712 • Magnetic Particle Testing (MT) Level 2 ISO 9712 • Liquid Dye Penetrant Testing(PT) Level 2 ISO 9712 • Visual Testing (VT) Level 2 ISO 9712	• Shore Hardness Measurement (Zwick Roel Shore A) • Tensile Testing Equipment (Zwick Roel Z010) • Density measurement (Devotrans M2000A) • Abrasion Test Device (Devotrans) Precise Scales (Precisa XB 220a)	• Macro Test • Fracture Test • Bend Test • Non-Destructive Test Method	• Universal Measurement Devices (caliper, micrometer, perimeter, comparator) • Roughness Measurement Device (MITUTOYO SJ-210) • Hardness Measurement Device • Coating Thickness Measurement



coating thickness



shore hardness

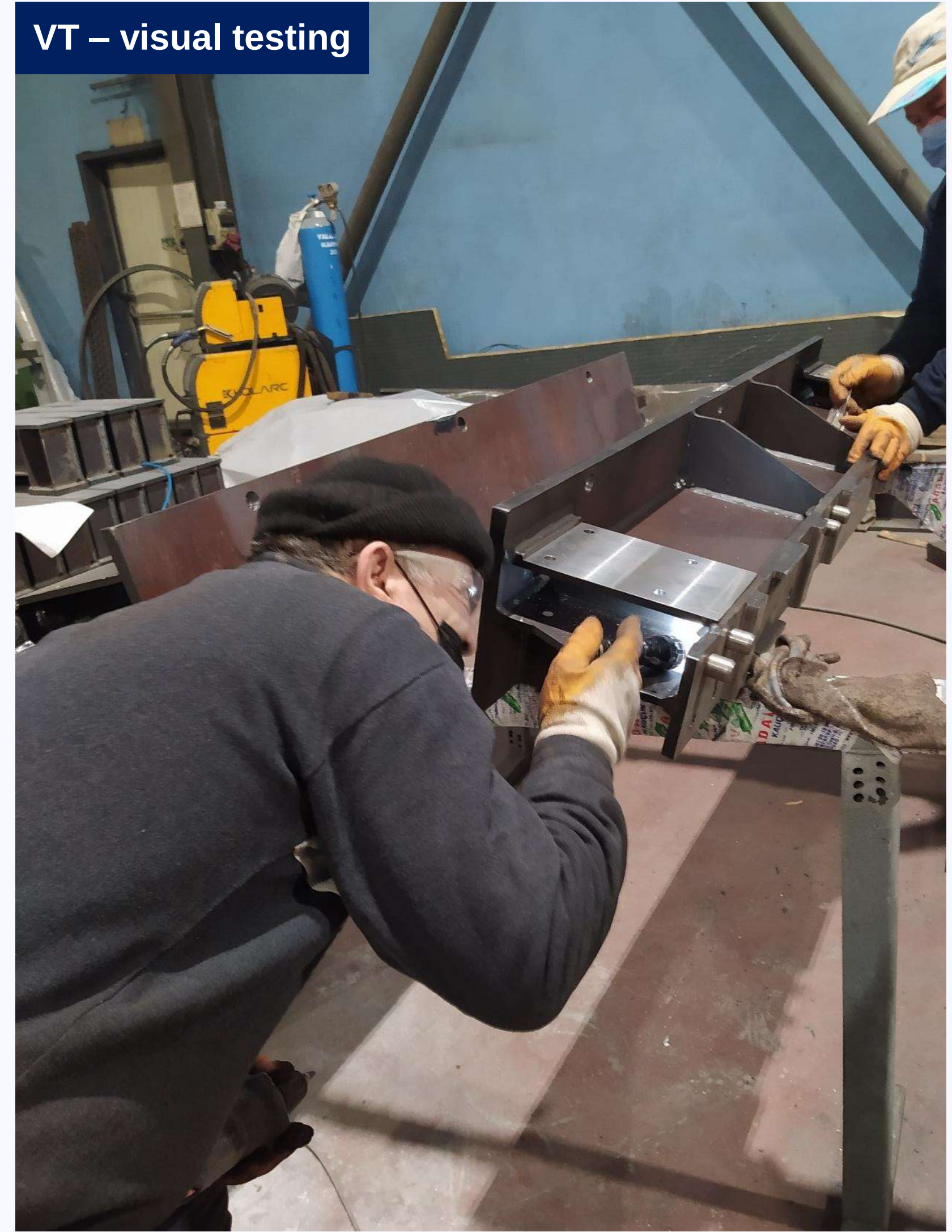
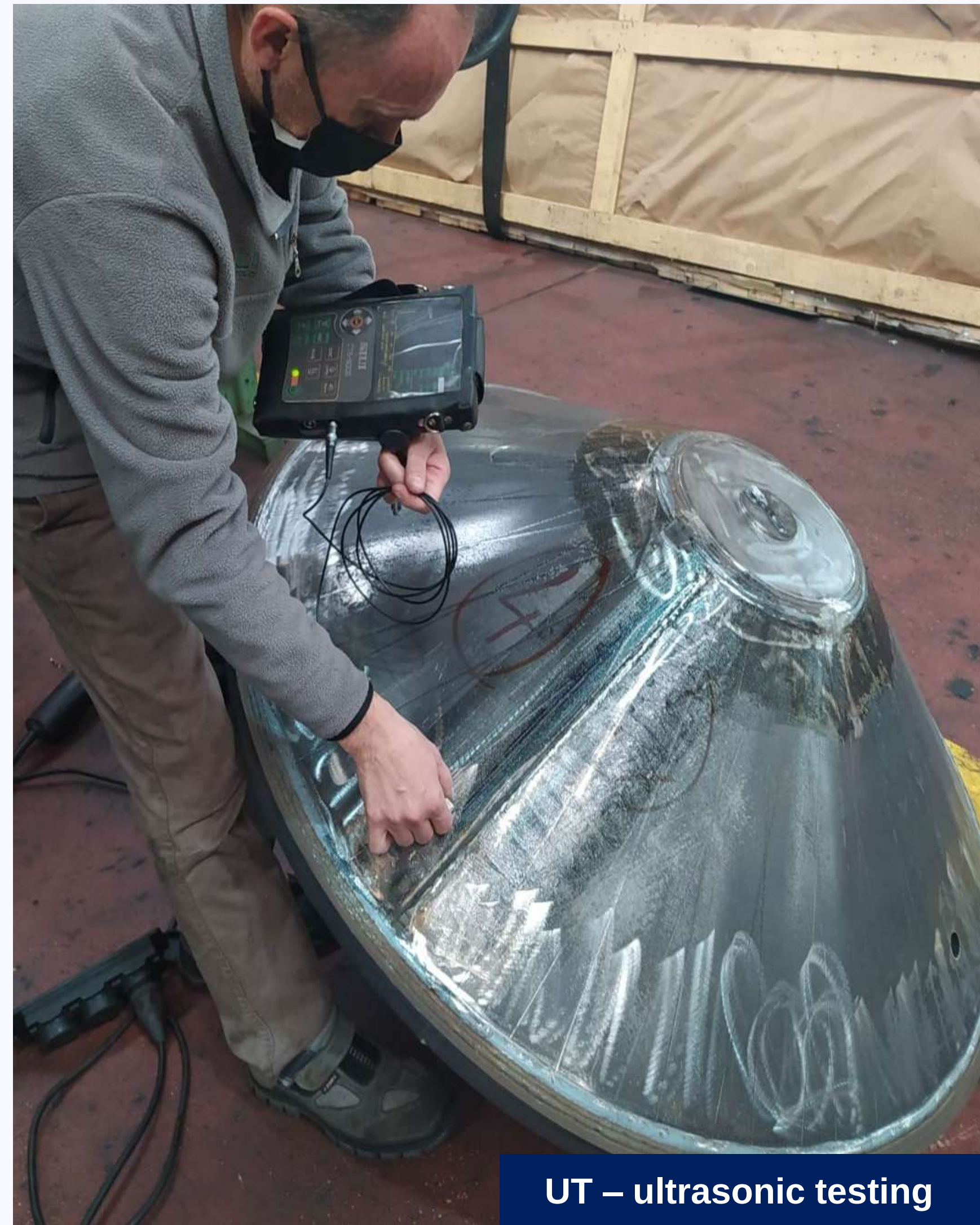
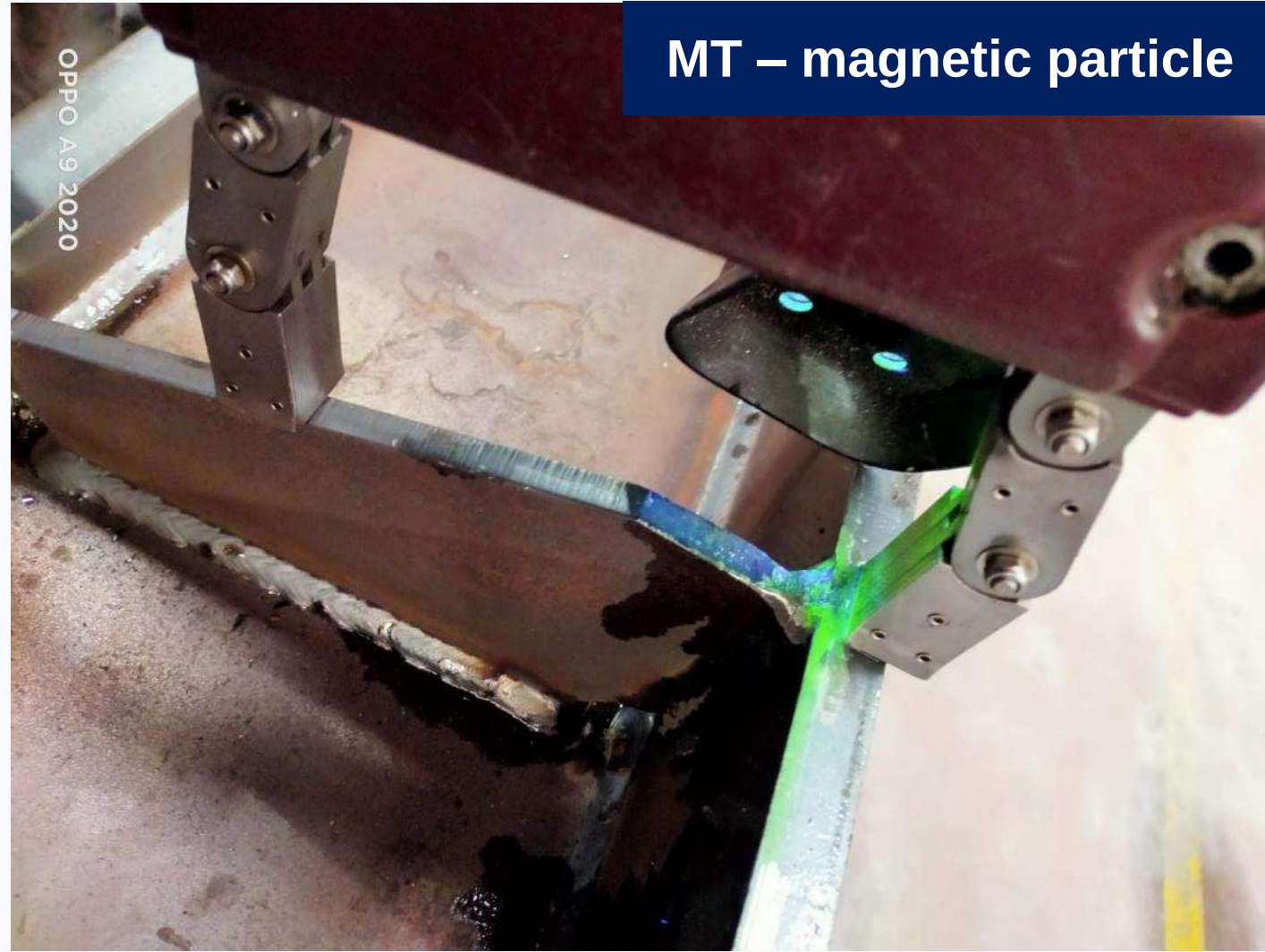


metal hardness

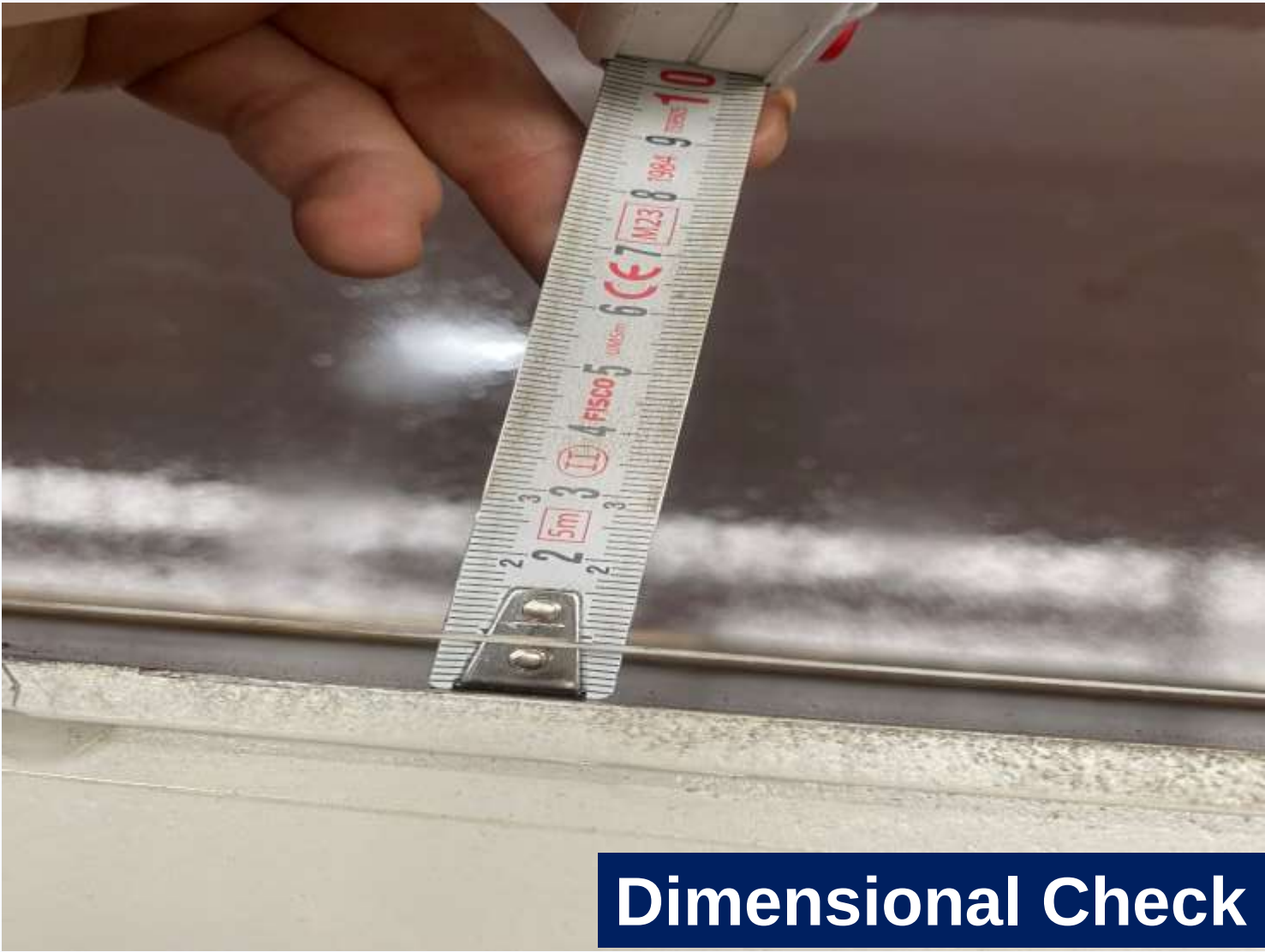
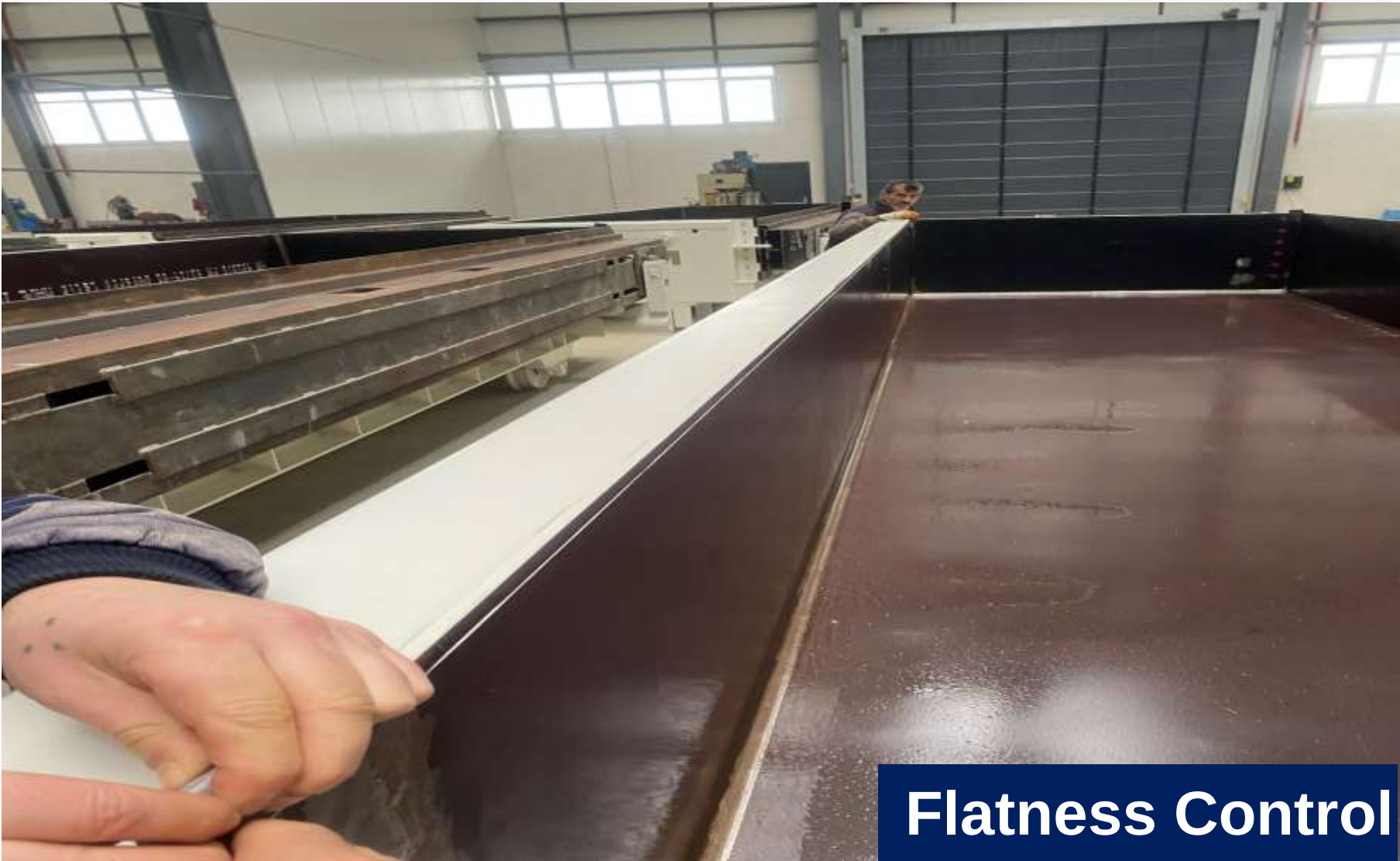


roughness

Overview Quality Control



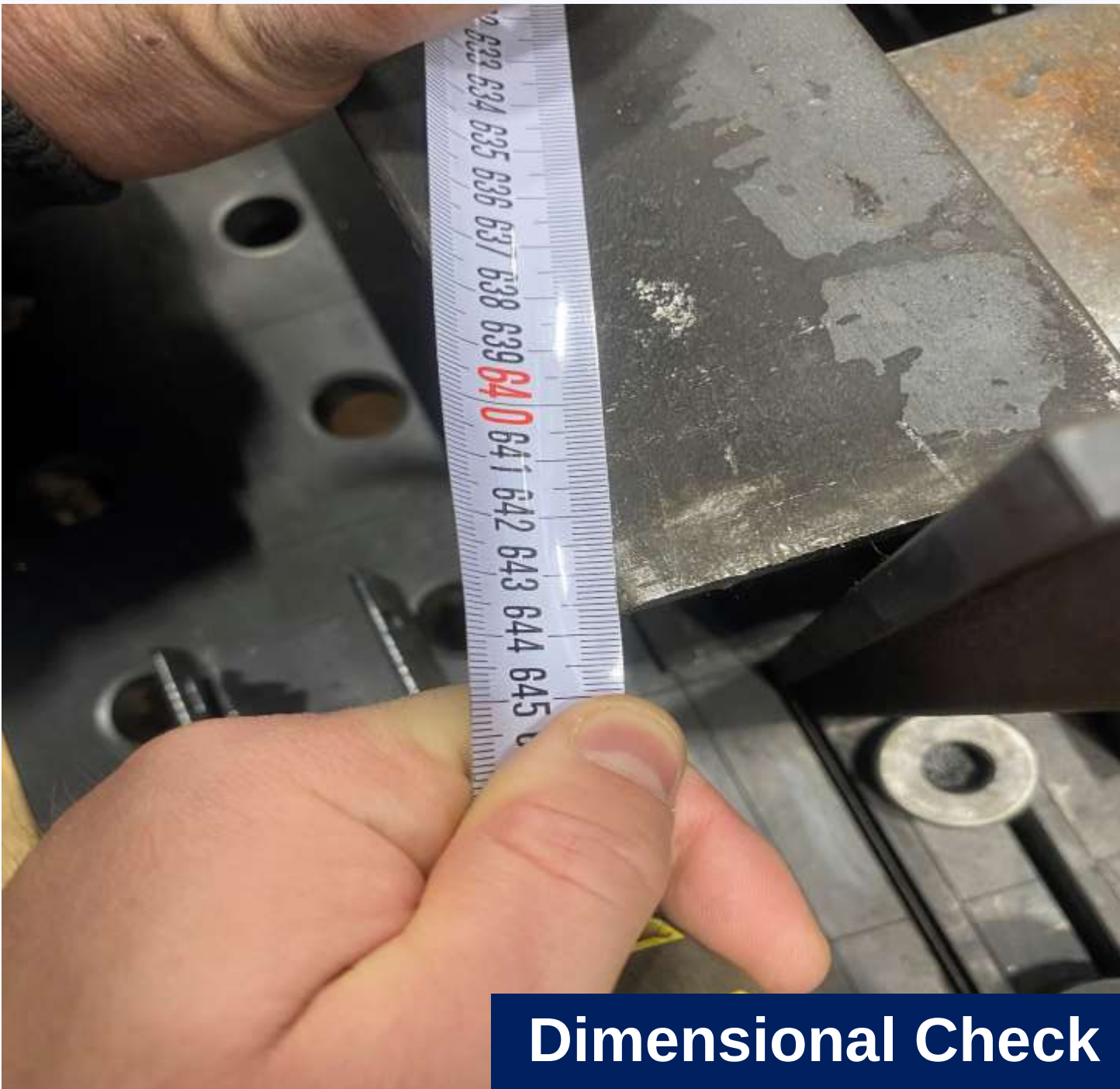
Overview Quality Control



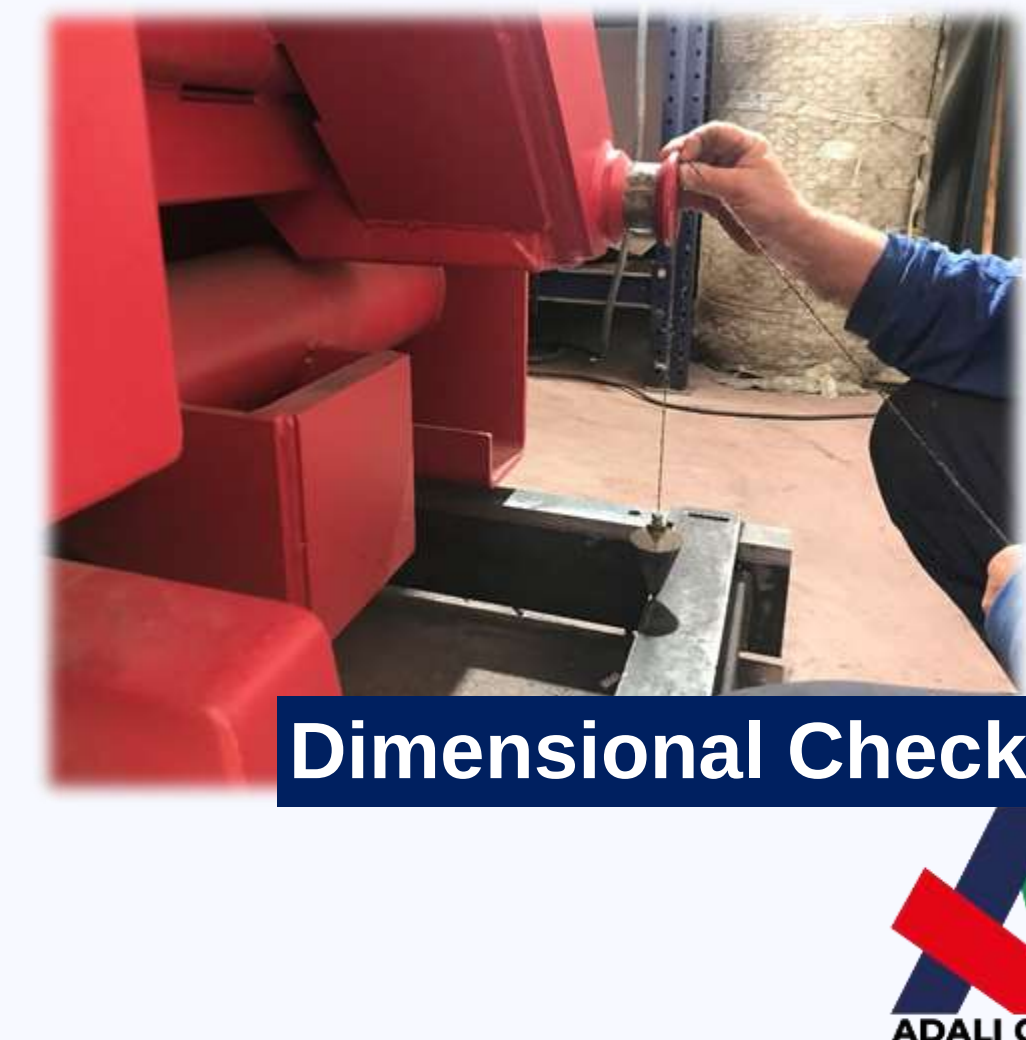
Overview Quality Control



Overview Quality Control



Overview Quality Control



Machine Park



Machine	Qty	Capabilities		
New Invesment: SORALUCE FP		X-axis	Y-axis	Z-axis
		4100 mm	1600 mm	1500 mm
Last invetsment: MECOF CS500 Milling machine	1	X-axis	Y-axis	Z-axis
		8000 mm	1000 mm	1700 mm
Outside round grinding CNC	2	diameter	max. Length	weight
		60 - 2000 mm	1000 - 12000 mm	65.000 kg
Lathe CNC	6	max. Weight	max. Diameter	max. Length
		10000 kg	1200 mm	5000 mm
Lathe conventionel	12	max. Weight	max. Diameter	max. Length
		50.000 kg	2.000 mm	12.000 mm
Milling CNC	4	X-axis	Y-axis	Z-axis
		600 mm	800 mm	2500 mm
Milling conventionell	2	X-axis	Y-axis	Z-axis
		800 mm	1200 mm	600 mm
Machining center (CNC)	2	X-axis	Y-axis	Z-axis
		1500 mm	4000 mm	1500mm
Boring machine conventionell	1	X-axis	Y-axis	Z-axis
		1200 mm	1200 mm	1200 mm
Boring machine CNC	1	X-axis	Y-axis	Z-axis
		2000 mm	10000 mm	1500 mm
Vertical broaching	1	Max width	max. Length	weight
		70 mm	300 mm	55.000 kg
Balancing	2	max. weight	max. diameter	max. length
		60.000 kg	2500 mm	12.000 mm
Bending	2	max. thickness	max. width	
		100 mm	4.000 mm	
Blasting	5	max height	max. width	max. length
		4.000 mm	5.000 mm	10.000 mm
Sawing	5	max. width		
		5.000 mm		
Flame Cutting	2	max. thickness	max. width	max. length
		580 mm	3.000 mm	12.000 mm
Plasma Cutting	2	max. thickness	max. width	max. length
		55 mm	3.000 mm	12.000 mm
Welding Robot	2	Single wire welding		
		Twin wire welding robot		

Samples Of Machining



Samples Of Machining



Cutting & bending



Plasma and Flame Cutting
(2 Machines: $W \leq 3000$, $L \leq 12000$ mm)



**Hot Roll Bending max to
200 mm thickness**



Roll bending
for $T \leq 45$ MM, $L \leq 3$ m

Welding

Processes: Submerged Arc Welding, TIG Welding Manual, MIG/MAG Welding With Solid And Cored Wires, Robotic welding (twin wire & single wire)



MOLD ASSEMBLY - EGE GAZBETON- AYDIN SÖKE



ASSEMBLY - EGE GAZBETON – AYDIN SÖKE

Painting



Assembly



**Autoclave Ground Crane
Assembly- KÇS Aydın Söke**



**Quartzite Ball Mill Plant Assembly-
KÇS Aydın Söke**



Lime Preparing Tower Plant Assembly- KÇS Aydın Söke

Packing & Transportation





ADALI GRUP

Dış Ticaret A.Ş

SAMPLES FROM OUR PROJECTS

MOLDS & SIDE PLATE



MOLDS - MASA



MOLD SIDE PLATE - MASA

MOLD



MOLDS- HESS

MOLD



MOLDS- FORTEM

MOLD

The production of different types of moulds including all necessary inspections, function tests and customer requirements will be carried out by the company ADALI



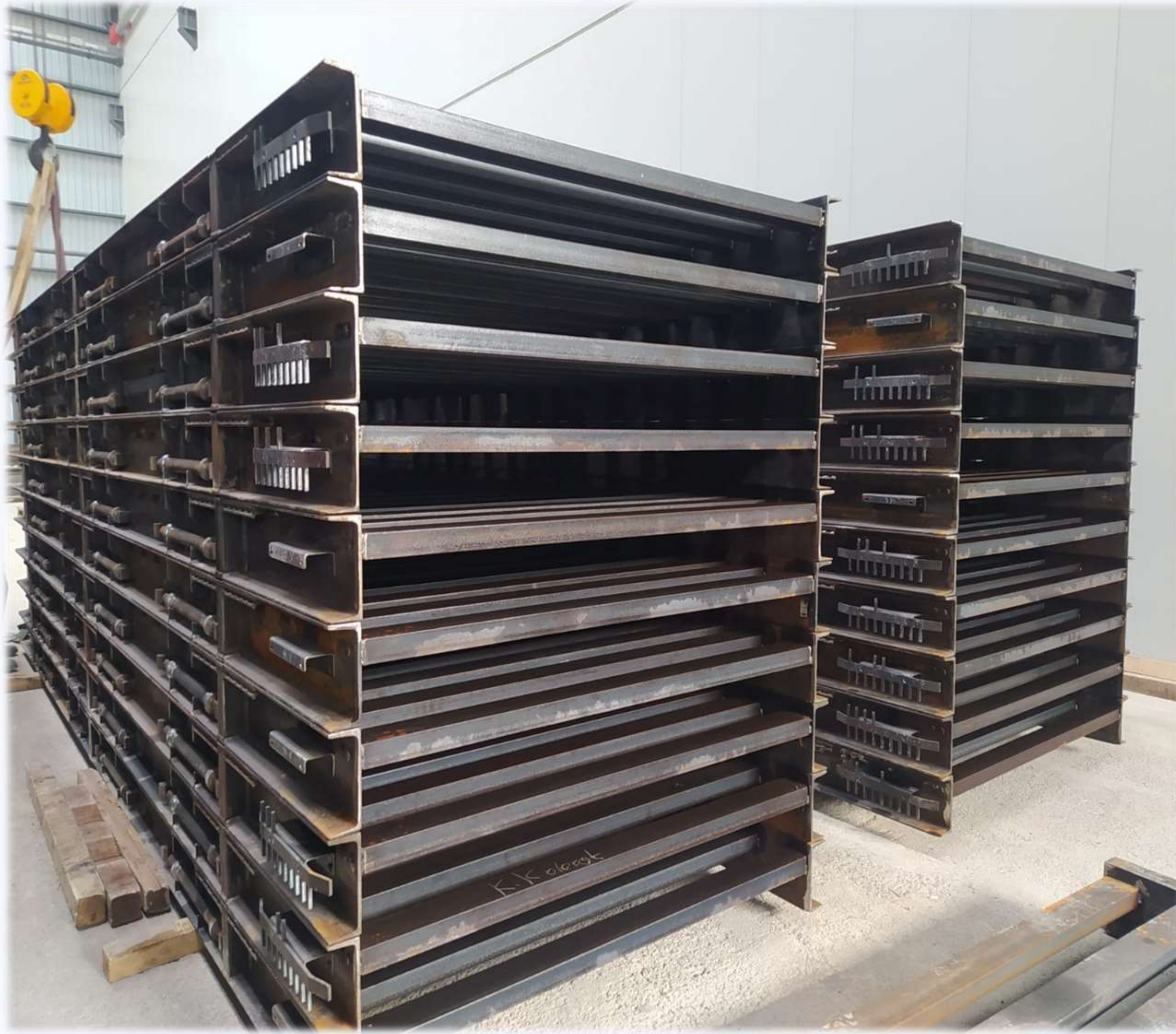
MOLDS- FORTEM

Sand Feeding Hopper



Sand Feeding Hopper- Fortem

HARDENING CAR & GRID



HARDENING GRID - FORTEM



HARDENING CAR - FORTEM

HARDENING CAR



HARDENING CAR- HESS

HARDENING CAR & GRID



HARDENING CAR - ARTON



HARDENING GRID- ARTON

HARDENING GRID



HARDENING GRID- AIRCRETE

HARDENING GRID / CURING FRAME



HARDENING GRID- AIRCRETE

SIDE PLATES



SIDE PLATE - EGE GAZBETON- AYDIN SÖKE

WE ARE SPECIALIZED IN

**STEEL
CONSTRUCTION**

**CRUSHING &
SCREEN PLANT**

**BULK
MATERIALS
SILOS**

MIXING PLANT

**FERMENTATION
PLANT**

AUTOCLAVING

PACKAGING LINE



**Mixing Tower Assembly-Aydın Söke KÇS
(Masa Project)**

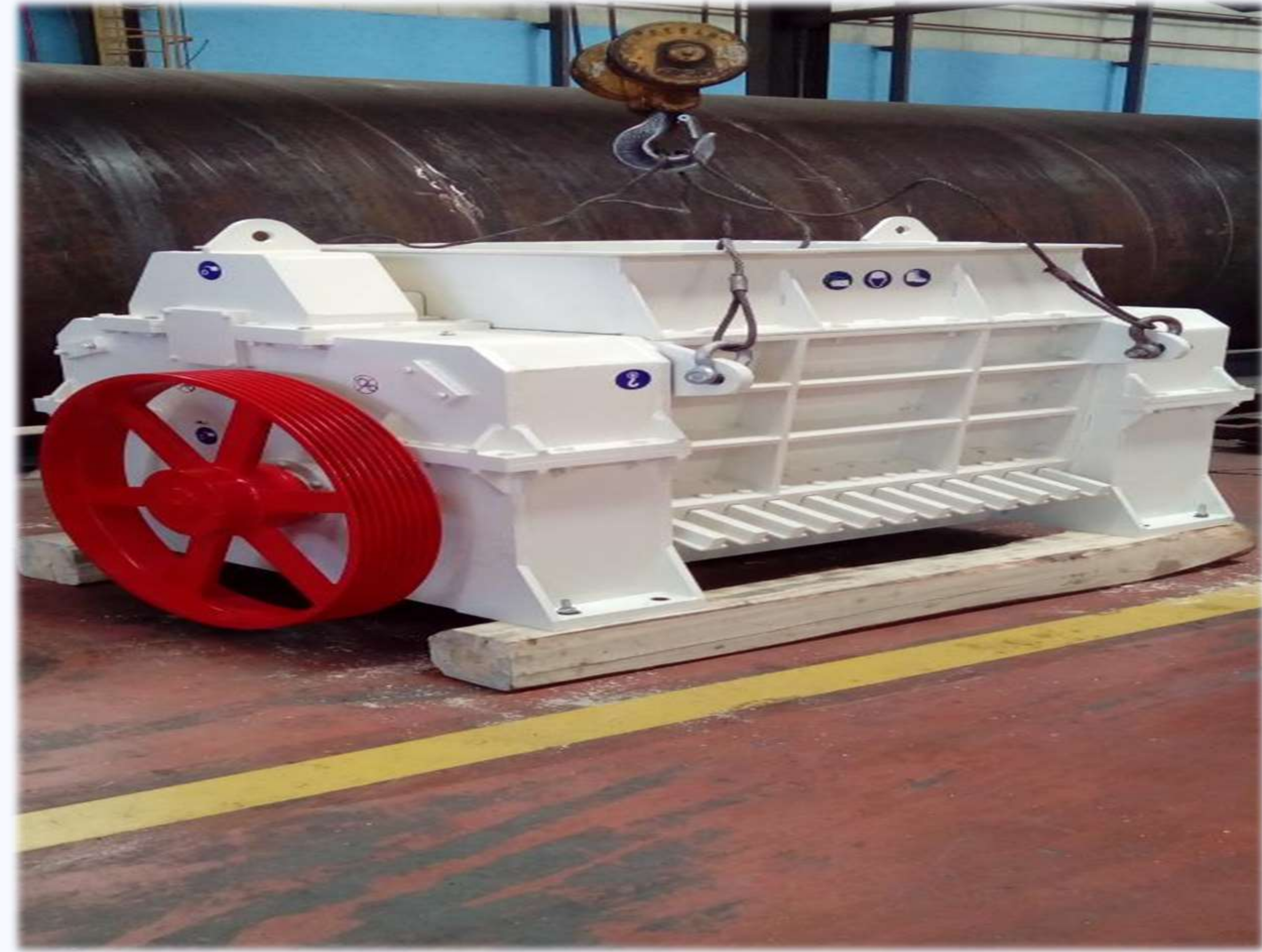
**FROM
BEGINNING
TO END**



**Packaging Line Assembly-Aydın Söke KÇS
(Masa Project)**

CRUSHING & SCREEN PLANTS

Production of all types and sizes of shatter, grind and categorizing.



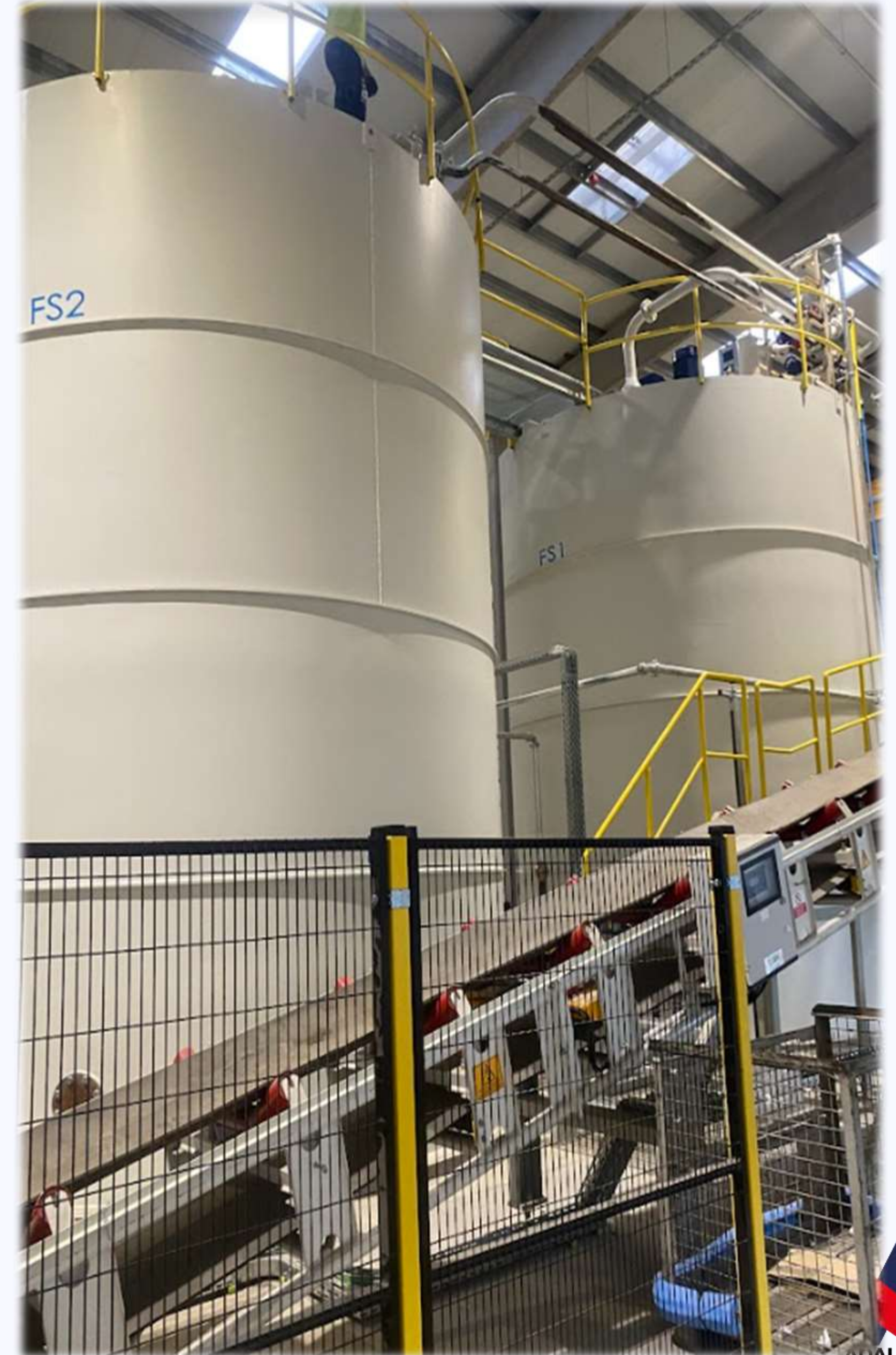
**Crushing-Screen Plant Manufacturing and Assembly-Saray Ytong
(Xella Project)**

FROM JOB SITE ERECTION

END USER: HUNGARY

HESS PROJECT

SLURRY TANKS , MOULDS PLATFORMS , BOGEYS



BULK MATERIALS SILO



ADALI is able to manufacture various silos in different sizes and diameters in one or multiple segments. In the case of multi-part production, trial assembly takes place in our production facility.

MIXING PLANT

Adalı mixing plants ensure the best product quality and its consist of;

- Sand, sieve and bunker unit
- Silo and sludge tank
- Conveying and dosing unit
- Mixing
- Fermantation



Sludge Tanks Manufacturing and Assembly – KÇS Aydın Söke (Masa Project)

The following materials are processed there;

- Cement
- Lime
- Quartzite
- Water
- Aluminium powder



Sludge Tank- Bilecik Ytong (Xella Project)

FERMENTATION PLANT

The fermentation site is completely established by Adalı Makina with its construction.



**Fermentation Plant –
Ege Gaz Beton Aydın Söke
(Masa Project)**



**Fermentation Plant –
KÇS Aydın Söke
(Masa Project)**

AUTOCLAVING

The autoclaving section consists of;

- Steam generation unit
- Steam distribution unit

- Autoclave with a dehydration unit
- Condensate recycling line



**Autoclaves - KÇS Aydın Söke
(Masa Project)**

PROCESS EQUIPMENTS

MOLD

BASE

AUTOCLAVING TROLLEY

GRID



Cutting Line Assembly-KÇS
Aydın Söke



Ytong-Xiella Project from our
workshop



WKB Curing Car

AUTOCLAVE TROLLEY, GRID and PUSHER



Autoclave Trolley-Xella



Grids-Istanbul Çatalca Ytong



Pusher-Assembly-
Istanbul Çatalca Ytong

PRESSING TOOLS

Production scope:

- Angular grinding,
- High tolerance straightness,
- High precision machining,
- Case hardening



Customer : Germany
End user: Litvania



Manufacturing Weight:
10 Tones



Our power from experience !



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Thank you !