

**DAL**



**DAL WORKSHOPS**



## ABOUT DAL

---

As one of the world's leading engineering and manufacturing companies Dal provides machinery, equipment and customized solutions for different industries globally like cement, mineral, chemical, pulp&paper, steel, plant construction, food, energy and many more.

Dal serves its customers with two workshops in the European Free Zone in which projects up to a total of 12.000 tons / year can be produced in a total closed area of 16.000 m<sup>2</sup>.

With its heavy machining capabilities up to 6m in diameter more than 70 countries around the world have been supplied with more than 100.000 tons of equipment and machineries.

**DAL IS YOUR GLOBAL PARTNER FOR  
ENGINEERING & MANUFACTURING**





## LOCATIONS:

- **DAL 1: TÜRKGÜCÜ**
- **DAL 2: ÇORLU / ASB EFZ**

Our workshops are located in one of the biggest and modern industry parks of Turkey called **European Free Zone** and as well as in the industrial area of Türkgücü.

**EFZ**, founded on a land of 2 million square meters in Çorlu/Tekirdağ which is located close to Istanbul and major transportation networks. The production of the world's leading brands takes place in this zone.

DISTANCE TO TRANSPORTATION NETWORKS		
MOTORWAYS	GREECE - IPSALA	125 KM
	BULGARIA - KAPIKULE	125 KM
	ISTANBUL AIRPORT	95 KM
SEA PORTS	AMBARLI	80 KM
	AKPORT	45 KM





## FOR MANUFACTURING

Well designed modular manufacturing workshop, equipped with an easy access to loading docks for trucks, raised floor levers and clear open space. Each unit has its own dedicated loading yard with ram access for forklifts and has an ample on site parking.

All units are built with the following specifications:

SPECIFICATIONS	DAL 1	DAL 2
INDOOR AREA	6.000 m <sup>2</sup>	10.000 m <sup>2</sup> each building 5.000 m <sup>2</sup>
SURROUNDING AREA	9.000 m <sup>2</sup>	25.000 m <sup>2</sup>
HEIGHT UNDER THE CRANE	10 m	10,5 m
MANAGEMENT BUILDING	400 m <sup>2</sup>	3 stages 500 m <sup>2</sup>





## OVERHEAD CRANES

**DAL 1**



**4 x 64 TONS DOUBLE HOOK  
32 + ( 32 + 10 )**

**4 x 15 TONS SINGLE HOOK**

**DAL 2**



**4 x 60 TONS DOUBLE HOOK  
32 + ( 32 + 10 )**

**2 x 16 TONS SINGLE HOOK**



# MACHINE INFORMATION



## BIGGEST CNC LATHE IN EUROPE

WELDING, DRILLING, MILLING AND GRINDING MODULE (C-AXIS)

<b>MIN. TURNING DIA.</b>	D780 mm
<b>MAX. TURNING DIA.</b>	D6000 mm
<b>MAX. TURNING LENGHT</b>	18000 mm
<b>MAX. WEIGHT</b>	120 tons (150 tons)
<b>CONTROLS</b>	SIEMENS 840DSL CNC Systems



## 5 AXIS- HORIZONTAL CNC MOVING COLUMN

<b>VERTICAL HORIZONTAL STROKE</b>	3000 x 10000 mm
<b>CROSS TRAVEL (Z-AXIS)</b>	1500 mm
<b>CNC ROUNDING TABLE</b>	2500 x 2500 mm



## CNC HORIZONTAL LATHE

<b>TURNING DIAMETER OVER SLIDE REST</b>	820 mm
<b>TURNING LENGTH</b>	8000 mm
<b>MAX. WEIGHT</b>	15 tons



## MACHINE INFORMATION

	LATHE TURNING CENTER 8 INC	
	<b>DIAMETER</b>	8"
	<b>AXIS TRAVEL</b>	Ø320 mm L: 305 mm

	BORING MILLS - HORIZONTAL MACHINING CENTER	
	<b>NUMBER OF AXIS</b>	4-Axis
	<b>AXIS TRAVEL</b>	1000 x 1000 x 950 mm

	HORIZONTAL MACHINING CENTER	
	<b>NUMBER OF AXIS</b>	4-Axis
	<b>AXIS TRAVEL</b>	1000 x 800 x 650 mm

	VERTICAL MACHINING CENTER	
	<b>NUMBER OF AXIS</b>	3-Axis
	<b>AXIS TRAVEL</b>	1270 x 670 x 625 mm

	HORIZONTAL MACHINING CENTER	
	<b>NUMBER OF AXIS</b>	4-Axis
	<b>AXIS TRAVEL</b>	800 x 700 x 750 mm

	HORIZONTAL MACHINING CENTER	
	<b>NUMBER OF AXIS</b>	4-Axis
	<b>AXIS TRAVEL</b>	950 x 825 x 760 mm



## MACHINE INFORMATION

<b>CNC FIBER LASER CUTTING MACHINE</b>	
	<b>CUTTING AREA</b> 3100 x 1550 mm
	<b>LASER POWE</b> 2 kW
	<b>APPLICATION RANGE</b> Up to 12 mm

<b>HYDRAULIC CNC PRESS BRAKE</b>	
	<b>CAPACITY</b> 220 t
	<b>BENDING LENGTH</b> 3050 mm
	<b>APPLICATION RANGE</b> Up to 15 mm

<b>VERTICAL MACHINING CENTER</b>	
	<b>NUMBER OF AXIS</b> 3-Axis + Auto C-Axis
	<b>AXIS TRAVEL</b> 4100 x 3500 x 1300 mm

<b>VERTICAL MACHINING CENTER</b>	
	<b>NUMBER OF AXIS</b> 3-Axis + C-Axis
	<b>AXIS TRAVEL</b> 3300 x 1600 x 800 mm

<b>HYDRAULIC PLATE ROLL MACHINE</b>	
	<b>OP. LENGTH</b> 3100 mm
	<b>MAX. THICKNESS</b> 144 mm

<b>VERTICAL MACHINING CENTER</b>	
	<b>NUMBER OF AXIS</b> 3-Axis + C-Axis
	<b>AXIS TRAVEL</b> 3000 x 1600 x 800 mm

## MACHINE INFORMATION

VERTICAL DRILLING MACHINE	
<b>CAPACITY</b>	4000 x 2785 mm
<b>ARM LENGTH</b>	4000 mm
<b>MAX. DRILLING DIAMETER</b>	110 mm

RADIAL DRILLING MACHINE	
<b>DRILLING DIAMETER</b>	75 mm
<b>ARM LENGTH</b>	1500 mm
<b>MAX. DRILLING DIAMETER</b>	380 mm

WELDING ROBOT - 4700 kW	
<b>MAX. LOADING CAPACITY</b>	6 kg
<b>NUMBER OF AXIS</b>	6-Axis
<b>REACH DISTANCE</b>	550-2011 mm

COMBINED PLASMA - WELDING MACHINE	
<b>PIPES RANGED BETWEEN</b>	50 and 600 mm
<b>PLATE THICKNESS</b>	Up to 200 mm
<b>PRECISION PLASMA</b>	130 / 260 Amper
<b>AUTOMATIC TORCH HEIGHT CONTROL</b>	

SUBMERGED ARC WELDING TOWER	
<b>ROTATION ANGLE</b>	360°
<b>EFFECTIVE WORKING RANGE</b>	6 x 6 m
<b>BOOM WORKING RANGE</b>	1100-7100 mm
<b>COLUMN WORKING RANGE</b>	820-6820 mm
<b>TOTAL HEIGHT</b>	7850 mm
<b>SELF ALIGNING ROTATORS CAPACITY</b>	Up to 150 t

## ADDITIONAL SERVICES



**01- SAND BLASTING**

**EUROPE'S BIGGEST**  
**02- STRESS RELIEVING FURNACE**

**03-PAINT SHOP**

### 01- SAND BLASTING

<b>DIMENSIONS</b>	7.500 x 7.500 x 20.000 mm
-------------------	---------------------------

### 02- EUROPE'S BIGGEST STRESS RELIEVING FURNACE

<b>DIMENSIONS</b>	7.850 x 8.160 x 21.300 mm
-------------------	---------------------------

<b>MAX. CHARGING CAPACITY</b>	150 tons/charging
-------------------------------	-------------------

<b>MAX. WORKING TEMPERATURE</b>	900°C
---------------------------------	-------

<b>MAX. HEATING RATE</b>	100°C/h
--------------------------	---------

<b>HEATING TYPE</b>	Direct-natural gas
---------------------	--------------------

<b>HEATING POWER</b>	4.600 kW
----------------------	----------

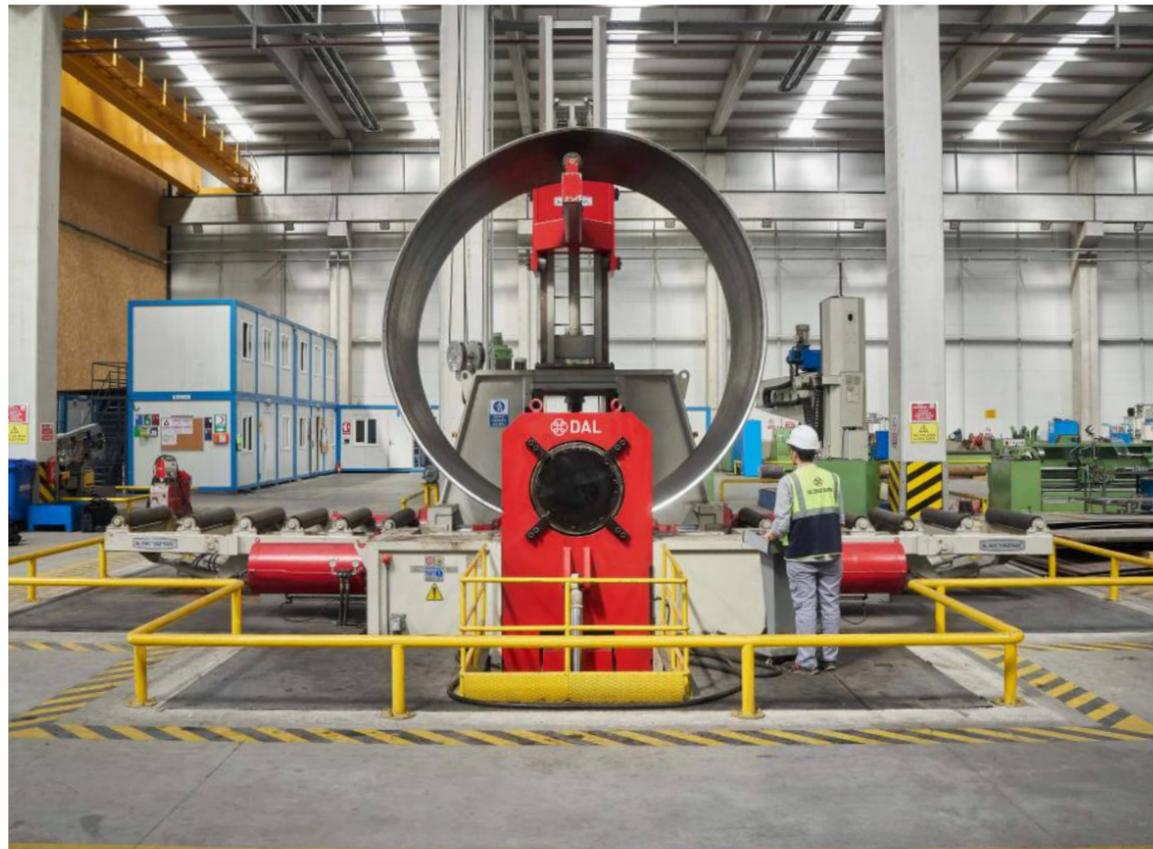
### 03-PAINT SHOP

<b>DIMENSIONS</b>	7.500 x 8.500 x 20.000 mm
-------------------	---------------------------



# PRODUCTION EXAMPLES - REFERENCE PROJECTS

---





# CERTIFICATES

PCA PARTNERS CERTIFICATE ASSURANCE

## Certificate

### ISO 9001 : 2015

**DAL MAKİNA VE TASARIM A.Ş.**  
Adnan Kahveci Bulv. No:206 Haydar Akın İşmerkezi 1 K.2 Şişneviyer Bahçelievler / İSTANBUL / TÜRKİYE

This certificate shows that the quality management system of the above company was approved by PCA Certification for the following scope, the validity of the certificate depends on the company's pass the annual surveillance audits and company's maintenance the related management system conditions according to international accreditation criteria.

**SCOPE**  
Design and manufacture of machinery and equipment, manufacturing, procurement, assembly-disassembly, supervision and commissioning, industrial plant design, assembly, commissioning

IA CODE: 18-34

Certificate No	KY-24055
Registration Date	22.11.2017
Release Date	26.11.2020
Expiry Date	21.11.2021
Certificate Period	3 Years (From the date of registration)
Exclusion	8.3

IAS ACCREDITED Management System Certificate Body MSCB-103

PCA Certification Approved

PCA Sertifikasyon Hizmetleri Limited Şirketi  
Orta Mah. Ortaklar Sokak No:20/22 A Blok / ŞİŞNEVİYER  
Tel: +90 212 330 41 44-49 Pbx Faks: +90 212 317 42 49  
www.pca-tr.com info@pca-tr.com

PCA Rev.4

PCA PARTNERS CERTIFICATE ASSURANCE

## Certificate

### ISO 14001 : 2015

**DAL MAKİNA VE TASARIM A.Ş.**  
Adnan Kahveci Bulv. No:206 Haydar Akın İşmerkezi 1 K.2 Şişneviyer Bahçelievler / İSTANBUL / TÜRKİYE

This certificate shows that the environmental management system of the above company was approved by PCA Certification for the following scope, the validity of the certificate depends on the company's pass the annual surveillance audits and company's maintenance the related management system conditions according to international accreditation criteria.

**SCOPE**  
Design and manufacture of machinery and equipment, manufacturing, procurement, assembly-disassembly, supervision and commissioning, industrial plant design, assembly, commissioning

IA CODE: 18-34

Certificate No	CY-31753
Registration Date	22.11.2017
Release Date	26.11.2020
Expiry Date	21.11.2021
Certificate Period	3 Years (From the date of registration)

IAS ACCREDITED Management System Certificate Body MSCB-103

PCA Certification Approved

PCA Sertifikasyon Hizmetleri Limited Şirketi  
Orta Mah. Ortaklar Sokak No:20/22 A Blok / ŞİŞNEVİYER  
Tel: +90 212 330 41 44-49 Pbx Faks: +90 212 317 42 49  
www.pca-tr.com info@pca-tr.com

PCA Rev.4

PCA PARTNERS CERTIFICATE ASSURANCE

## Certificate

### ISO 45001 : 2018

**DAL MAKİNA VE TASARIM A.Ş.**  
Şişneviyer Mh. Adnan Kahveci Bulv. No:206 Haydar Akın İşmerkezi 1 K.2 Bahçelievler/İSTANBUL/TÜRKİYE

This certificate shows that the occupational health and safety management system of the above company was approved by PCA Certification for the following scope, the validity of the certificate depends on the company's pass the annual surveillance audits and company's maintenance the related management system conditions according to international accreditation criteria.

**SCOPE**  
Design and manufacture of machinery and equipment, manufacturing, procurement, assembly-disassembly, supervision and commissioning, industrial plant design, assembly, commissioning

Certificate No	CH-52853
Registration Date	26.11.2020
Release Date	-
Expiry Date	20.11.2021
Certificate Period	3 Years (From the date of registration)

IAS ACCREDITED Management System Certificate Body MSCB-103

PCA Certification Approved

PCA Sertifikasyon Hizmetleri Limited Şirketi  
Orta Mah. Ortaklar Sokak No:20/22 A Blok / ŞİŞNEVİYER  
Tel: +90 212 330 41 44-49 Pbx Faks: +90 212 317 42 49  
www.pca-tr.com info@pca-tr.com

PCA Rev.4

UDEM

## CERTIFICATE

UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co.  
Mullukeni Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TÜRKİYE

### Certificate of Conformity of the Factory Production Control 2292-CPR-14868

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR), this certificate applies to the construction products

**CONSTRUCTION PRODUCTS**

Harmonized Standard	Execution Class	Declaration Method
EN 1090-1:2009+A1:2011	Load bearing constructional elements of steel EXC.2 acc. EN 1090-1	3a acc. Table A.1 of the EN 1090-1

Scope of certificate : Steel construction  
Placed on the market under the name or trade mark of  
**Dal Technics International Makina İmalat Sanayi Cevdet Dal ve Ortakları Kolektif Şiş.**  
Karamehmet Mah. Avrupa Serbest Bölgesi 13. Sok. No:33/1/22 Ergene TEKİRDAĞ / TÜRKİYE  
and produced in the manufacturing plant  
**Dal Technics International Makina İmalat Sanayi Cevdet Dal ve Ortakları Kolektif Şiş.**  
Karamehmet Mah. Avrupa Serbest Bölgesi 13. Sok. No:33/1/22 Ergene TEKİRDAĞ / TÜRKİYE

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards  
**EN 1090-1:2009+A1:2011**  
under system 2+ are applied and that  
**the factory production control is assessed to be in conformity with the applicable requirements**

UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co.  
A. YILDIZ KERİMOĞLU  
Genel Müdür

This certificate was first issued on 05.10.2021 and will remain valid as long as neither the harmonized standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by UDEM

Address: Mullukeni Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TÜRKİYE  
Phone: +90 0312 443 03 90 Fax: +90 0312 443 03 76  
E-mail: info@udem.com.tr www.udem.com.tr

UCA Rev.4

TÜV AUSTRIA

## CERTIFICATE

The certification body of TÜV AUSTRIA SERVICES GMBH certifies that

**DAL TECHNICS INTERNATIONAL MAKİNA İMALAT SANAYİ CEVDET DAL VE ORTAKLARI KOLEKTİF ŞİRKETİ AVRUPA SERBEST BÖLGESİ ÇORLU /TEKİRDAĞ TÜRKİYE**

has met all necessary quality requirements for welding according to

**EN ISO 3834-2**

Date of audit: **30.09.2019**

This certificate is valid for the following products or service ranges:  
**Fabrication of mechanical, technological and steel structure equipments, machine spare parts, unit fabrication and commissioning activities and Turkey applications for heavy industry plants.**

Date of expiry: **29.09.2022**

Certificate No.: **HZ-03167-19-TR-HAC**

Fails to meet all these necessary requirements as defined in the annex to this certificate will nullify this document!  
The certificate keeps valid, if the TÜV AUSTRIA SERVICES GMBH performs the annual surveillance

Leading PLACE: **17.10.2019** DATE

Masrafs Alexander DI  
CERTIFICATE BODY

TÜV AUSTRIA SERVICES GMBH  
Deutschstraße 10  
A-1230 Wien

QR Code

ZERTIFIKAT | CERTIFICATE | CERTIFICADO | CERTIFIKAT | 證書 | 證書



# QUALITY CONTROL PROCEDURES

---

Tensile Test

---

Bend Test

---

Impact Test

---

Hardness Test

---

Fracture Test

---

Macroscopic-Microscopic Test

---

Pull-Off Test & Cross-Cut Test

---

Radiographic Test (RT)

Ultrasonic Test (UT)

---

Magnetic Particle Test (MT)

---

Liquid Penetrant Test (PT)

---

Positive Material Identification (PMI)

---

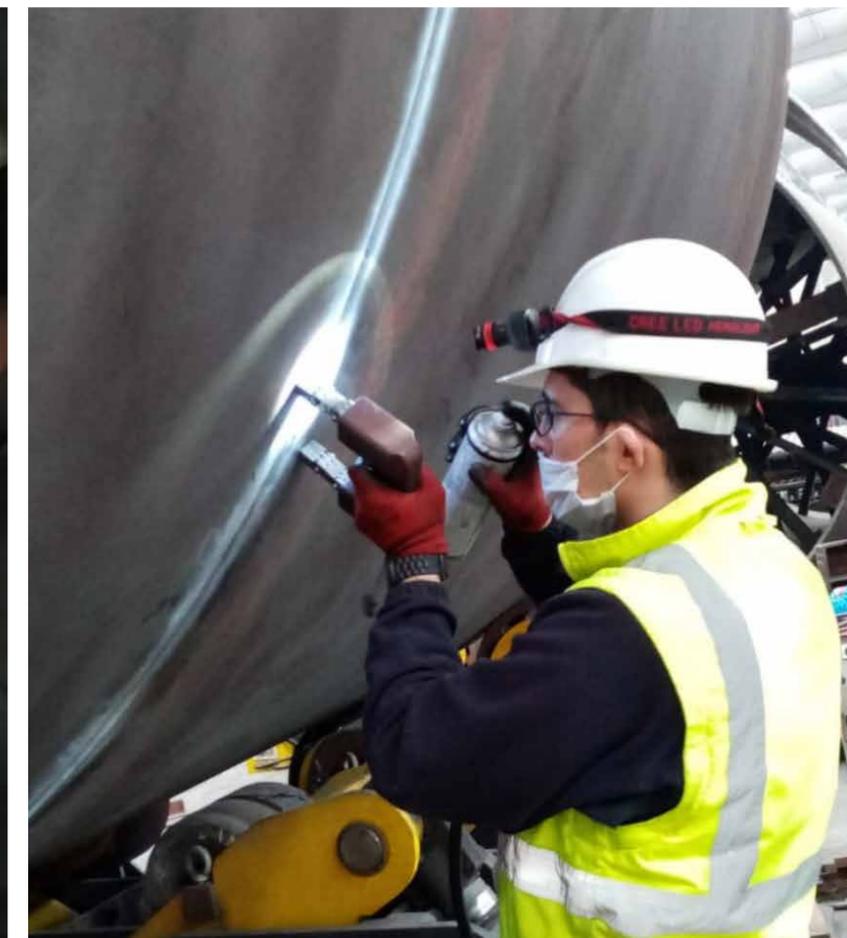
Hydrostatic Pressure Test,  
Pneumatic Pressure Test

---

Ultrasonic Lamination Test

---

Dry Film Thickness,  
Wet Film Thickness (for painting)





# DIMENSIONAL CONTROL PROCEDURES

Surface Gauge

Surface Roughness Gauge

Ultrasonic Thickness Gauge

Caliper Gauge

Dial Gauge

Depth Gauge

Feeler Gauge

Miter

Bore Gauge

## DEA GLOBAL COORDINATE MEASURING MACHINES

**AXIS TRAVEL**

1200 x 3000 x 1000 mm



AVAILABLE IN DAL1 & DAL2



## SOME OF OUR CUSTOMERS

MORE THAN 70 COUNTRIES



FROM JAPAN TO COLOMBIA

HEIDELBERGCEMENT





## **HEADQUARTER**

Şirinevler Mah. Adnan Kahveci Bulvarı  
No:206 Haydar Akın İş Mrk-1 34510  
Bahçelievler, İstanbul - Turkey

## **DAL EUROPE**

Hermannstal 5 30926  
Seelze, Hannover - Germany

## **DAL 1**

Yılmaz Alparslan Cad. No:31 Türkgüçüköyü  
Çorlu, Tekirdağ - Turkey

## **DAL 2**

Karamehmet Mah. Avrupa Serbest Bölgesi  
Adnan Arısoy Bulvarı No:1/A  
Ergene, Tekirdağ - Turkey

**P:** +90 (212) 639 85 00

**F:** +90 (212) 639 99 08

**E:** [info@dalmachinery.com](mailto:info@dalmachinery.com)

**[www.dalmachinery.com](http://www.dalmachinery.com)**