ABOUT DAL ENGINEERING GROUP

One of the world’s leading engineering companies that provides machinery, equipment and customized solutions for turnkey industrial projects for:

- Cement and Minerals
- Lime
- Gypsum
- Coal
- Energy and Environmental Technologies
**Location**: Çorlu / ASB European Free Zone / Türkgücü

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

**EFZ**, founded on a land of 2 million square meters in Çorlu/Tekirdağ which is located in the center of Istanbul, close to Europe and major transportation networks.

The production of the world’s leading brands takes place in this zone.
Well designed modular manufacturing workshop, equipped with an easy access to loading docks for trucks, raised flow 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:**

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>EFZ</th>
<th>Türkgücü</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor area</td>
<td>10.000 m² (each building 5.000 m²)</td>
<td>6.000 m²</td>
</tr>
<tr>
<td>Surrounding area</td>
<td>25.000 m²</td>
<td>9.000 m²</td>
</tr>
<tr>
<td>Height under the crane</td>
<td>10,5 m</td>
<td>10 m</td>
</tr>
<tr>
<td>Management building</td>
<td>3 stages 500 m²</td>
<td>400 m²</td>
</tr>
</tbody>
</table>
Our presence in the European Free Trade Zone brings DEG close to our markets in Central & Eastern Europe, the Middle-East and North Africa.

Manufacturing companies staying within free zone, custom related taxes and regulations are not applicable. Such as;

- Value Added
- Tax Customs
- Duties
- RUSF Tax (6%)

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Total Area: 2,000,000 m²  
Establishment Year: 1999  
Company Number: 150  
Trade Volume: 2.4 billion $
DAL WORKSHOP
OVERALL LAYOUT
DAL WORKSHOP

OVERHEAD CRANES

4 x 60 tons
32+[(32+10)]
double hook

2 x 16 tons
single hook
TRANSPORTATION NETWORKS - SEA PORTS

DISTANCE
Ambarlı 80 km
Akport 45 km
<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turning Diameter Over Slide Rest</td>
<td>820 mm</td>
</tr>
<tr>
<td>Turning Length</td>
<td>8000 mm</td>
</tr>
<tr>
<td>Swing Over Carriage</td>
<td>1000 mm</td>
</tr>
<tr>
<td>Table Diameter</td>
<td>1000 mm</td>
</tr>
<tr>
<td>Spindle Speed</td>
<td>4,2 - 400 rpm</td>
</tr>
<tr>
<td>Weight</td>
<td>15 ton</td>
</tr>
<tr>
<td>Spindle Bore</td>
<td>102 mm</td>
</tr>
<tr>
<td>Controls</td>
<td>Siemens 808D Advanced T CNC Systems</td>
</tr>
<tr>
<td>Power</td>
<td>37 kw</td>
</tr>
</tbody>
</table>
**DOOSAN LYNX220 Lathe Turning Center 8 INC**

Diameter: 8”
Axis Travel: Ø320 mm  L: 305 mm

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**CNC Horizontal Lathe D6000 mm x 18000 mm**

Max. turning dia. D6000 mm
Min. turning dia. D780 mm
Siemens 840Ds CNC Systems
Max. Weight: 120 tons (150 tons)
Double-Geared Drives
C-Axis
Welding Module

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**CNC Horizontal Lathe D4000 mm x 14000 mm**

Max. turning dia. D4000 mm
Min. turning dia. D2500 mm
Siemens 840Ds CNC Systems
Max. Weight: 80 tons
Double-Geared Drives
HYUNDAI KH63G
Horizontal Machining Center
Number of Axis: 4-Axis
Axis Travel: 950 x 825 x 760 mm

Makino A99
Horizontal Machining Center
Number of Axis: 4-Axis
Axis Travel: 1000 x 800 x 650 mm

HYUNDAI wia 5000
Horizontal Machining Center
Number of Axis: 4-Axis
Axis Travel: 800 X 700 X 750 mm
Boring Mills

Makino A99 Horizontal Machining Center
Axis Travel: 1000 x 1000 x 950 mm
Pallet Size: 800 x 800
Max. Pallet Load: 1.800 kg

Moving Column Zayer CNC Horizontal

Vertical-Horizontal Stroke: 3000 x 10000 mm
Axis Travel: 1500 mm
CNC Rounding Table: 2500 x 2500 mm
DOOSAN DNM 650 II
Vertical Machining Center
Number of Axis: 3-Axis
Axis Travel: 1270 x 670 x 625 mm

AWEA EP 3016
Vertical Machining Center
Number of Axis: 3-Axis + C-Axis
Axis Travel: 3000 x 1600 x 800 mm

KENT
Vertical Machining Center
Number of Axis: 3-Axis + C-Axis
Axis Travel: 3300 x 1600 x 800 mm

KAFO RV 4135
Number of Axis: 3-Axis + AUTO C-Axis
Axis Travel: 4100 x 3500 x 1300 mm
Vertical Drilling Machine MAS VR84A
Capacity: 4000 x 2785 mm
Arm Length: 4000 mm
Max. Drilling Diameter: 110 mm

Csepel Radial Drilling Machine RHP 75
Drilling Diameter: 75 mm
Arm Length: 1500 mm
Max. Drilling Depth: 380 mm
Hydraulic Plate Roll Machine AHS 3100 / 40 - 50
Op. Length: 3100 mm
Max. Thickness: 50 mm

Hydraulic Plate Roll Machine AHV 3100 / 130 - 144
Op. Length: 3100 mm
Max. Thickness: 144 mm
Combined Plasma-Welding Machine
AJAN 3,000 x 15,000 mm

- Pipes Ranged Between: 50 and 600 mm
- Plate Thickness: Up to 200 mm
- Precision Plasma: 130 / 260 Amper
- Automatic Torch Height Control

Welding Equipment

- Heavy Duty Column Boom System - 6 x 7
- Self Aligning Rotators - Capacity: Up to 150t
- Lincoln - Power Ware AC/DC1000SD - Tandem
DEG provides complete shipping solutions including insurance packing, loading-unloading lashing, and delivery.

DEG has the unique ability to provide engineered packing solutions based on machines and equipment’s requirements.

The best packing and crating options to ensure that machines and equipments arrive safe, damage-free and on time.
DAL WORKSHOP
DESIGN SOFTWARES

ANSYS
Realize Your Product Promise

AUTODESK
NASTRAN IN-CAD

AUTODESK
INVENTOR

SolidWorks

HSC Chemistry 9
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)
DEA GLOBAL COORDINATE MEASURING MACHINES

Axis Travel: 1200 x 3000 x 1000 mm

- Surface Gauge
- Surface Roughness Gauge
- Ultrasonic Thickness Gauge
- Caliper Gauge
- Dial Gauge
- Depth Gauge
- Feeler Gauge
- Miter
- Bore Gauge
DAL WORKSHOP

OUR CUSTOMERS
HEADQUARTER
Şirinevler Mah. Adnan Kahveci Bulvari
No:206 Haydar Akin İş Mrk-1 PK: 34510
Bahçelievler, İstanbul - Turkey

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

TÜRKGÜCÜ
Yılmaz Alparslan Cad. No:31 Türkgücüköyü
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