



40-year Experience in Aluminium Pressure Die Casting



- Total work force 205
- Total Blue-collar worker 160
- Total White-collar worker 45
- Diecasting capacity 4000 tons/year
- Closed Area 7,500 m<sup>2</sup>
- Turnover 12,5 Milion Euros
- **By the end of 2023, we will continue production in Bilecik facilities with 85,000 m2 open area and 15,000 m2 closed area.**

# Stream of Manufacturing



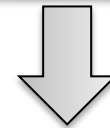
Melting



Casting



Trimming



EQC&Packaging



Machining



Vibratory  
Grinding

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# Melting

- In melting process, we use fully-automatic Striko-Westofen furnaces in order to meet our quality requirements.



- 4 x Striko-Westofen 2000 kg capacity natural gas operated melting furnace
- 1 x Striko-Westofen 5000 kg capacity natural gas operated melting furnace
- 4 x 800 kg capacity natural gas operated melting furnace
- 7 x 500 kg capacity electrically operated settling furnace
- 6 x 300 kg capacity electrically operated settling furnace



# Foundry



- We can manufacture components up to 12 kg by means of our injection press machines with cold cabins.
- 11 Injection press machines which have closing power between 400 and 950 tons. By the end of 2023, we will start production in Bilecik facilities with 21 machines and a production capacity of up to 25 kg.



1x1800 tons Injection Press -Full Cell  
(In Bilecik facilities by the end of 2023)  
1x1400 tons Injection Press -Full Cell  
(In Bilecik facilities by the end of 2023)  
2x1100 tons Injection Press -Full Cell  
(In Bilecik facilities by the end of 2023)  
2 x 950 tons Injection Press  
1 x 840 tons Injection Press -Full Cell  
(In Bilecik facilities by the end of 2023)  
5 x 750 tons Injection Press -Full Cell  
2 x 550 tons Injection Press  
5 x 580 tons Injection Press  
(In Bilecik facilities by the end of 2023)  
2 x 400 tons Injection Press

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# Machining



- Döksan, with CNC investments, has the capacity to meet precision machining demands of the customers in components we manufacture.



3 x Fanuc CNC vertical machining center  
4 x Brother CNC vertical machining center  
(Full cell system)



1 x Okuma CNC vertical machining center and 1 x Takisawa CNC Torna Loom

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# Moulding Shop



- 2 x Universal Milling Machine
- 2 x Universal Turning Lathe
- 1 x Surface Honing Workbench
- 1 x AWEA CNC Moulder Milling Cutter

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# Quality Control Lab.

■ Döksan uses SPC, FMEA, APQP and PPAP quality systems in order to achieve his sales goal with “0” error product.



- 2 DEA (3-D Measuring device)
- 1 Spectrometer – Spectromax
- 1 Hardness Testing Device
- 1 Compression Testing Device
- 1 Surface Quality Testing Device
- 1 Roundness Testing Device
- 1 Microscope
- 1 Metallographic Examining Devices
- 1 Profile Projection
- 1 Tension/Compression Testing Device





# X Ray Device



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# Quality System Certificate



**IATF 16949:2016**

**Valid Until:**  
**07 March 2025**

**iATF Number:**  
**0445907**



CERTIFICATE



Reg. Number	1777B-T		
First issue date	2022-03-08	Last change date	2022-03-08
Issue date	2025-03-07	iATF Number	0445907

Quality Management System Certificate  
**IATF 16949:2016**

We certify that the Quality Management System of the Organization:

**DÖKSAN BASINÇLI DÖKÜM VE MAKİNA  
SAN. TIC. A.Ş.**

is in compliance with the standard IATF 16949:2016 for the following  
products/services:

Manufacturing of parts by Aluminum Pressure Die Casting and Machining.

Chief Operating Officer  
Giampero Balorda

**Exclusions:** 3D related to the product design.

This certificate is issued in conformity with IATF Rules – First Edition.

Maintenance of the certification is subject to annual audits and dependent upon the observance of Kiwa  
Certification contractual requirements.

This certificate is composed of 1 page.

Kiwa Certifications S.p.A.  
Sede e sede unica,  
soggetta all'art. 2645 c.  
1 n. 1 del Codice Civile  
di Kiwa Italia Holding Srl  
Via Genova, 22  
40139 Bologna (BO) Italia  
Tel. +39 051 495 0111  
Fax +39 051 495 0100  
E-mail: info@kiwa-cert.it  
www.kiwa-cert.it

**DÖKSAN BASINÇLI DÖKÜM VE MAKİNA SAN. TIC. A.Ş.**

**Certified Sites (Main Manufacturing Site)**

- Tuzla 3. Cadde No. 14 Beşiközü, Çarşıbaşı, 41400 Kocaeli - Turkey



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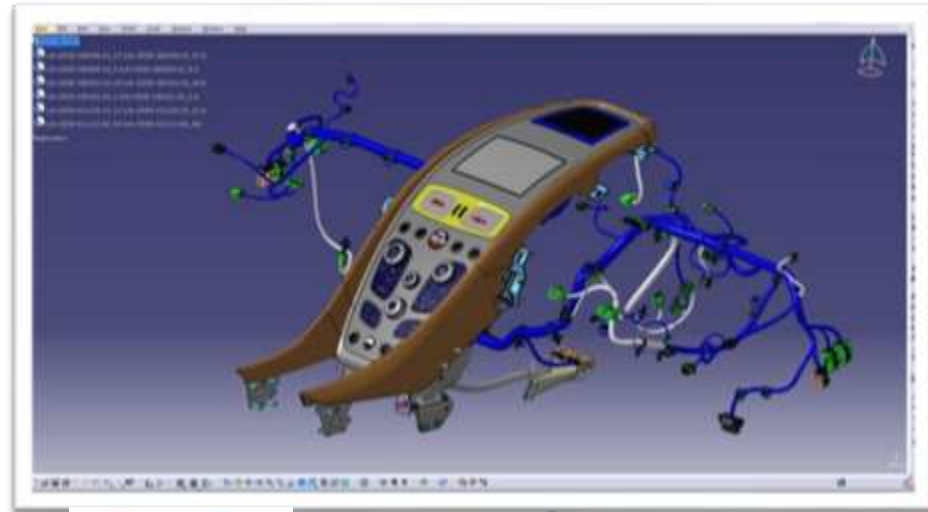


# R&D Engineering



■ Döksan has potential to product development by means of computer-aided engineering with experienced work force and software investments.

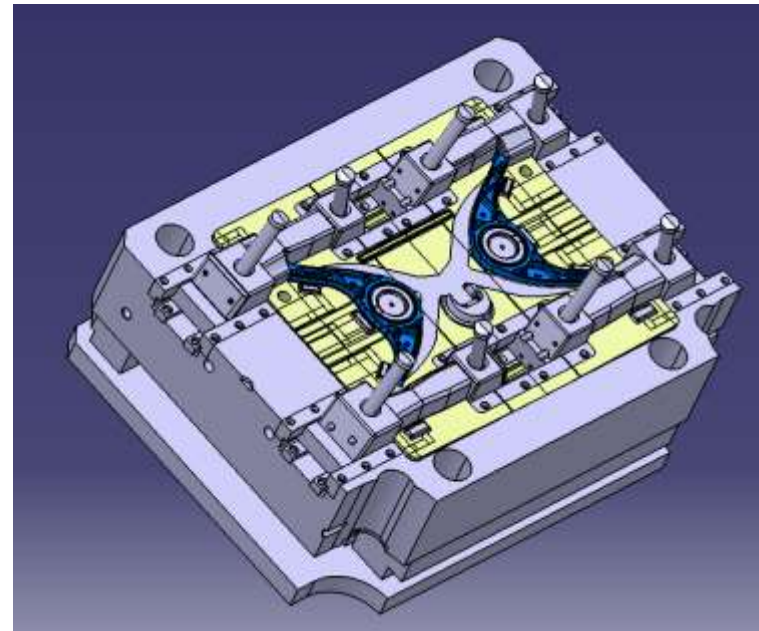
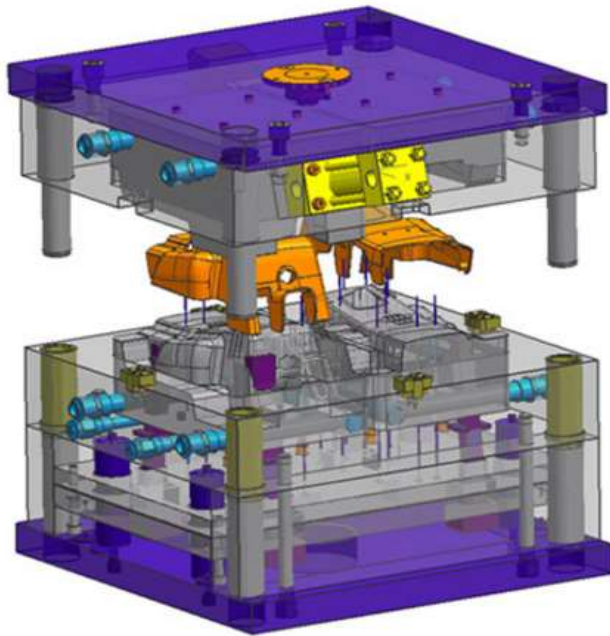
- CAD (Computer Aided Design)
  - 2 station Catia V5 for 2D/3D Modelling
  - Solidworks
  - Ansys CFD



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- Döksan, with his structure, can implement mould designs and analyses by means of CAD program.





## ■ Döksan, Computer Aided Machining CAD/CAM

### ➤ CAD

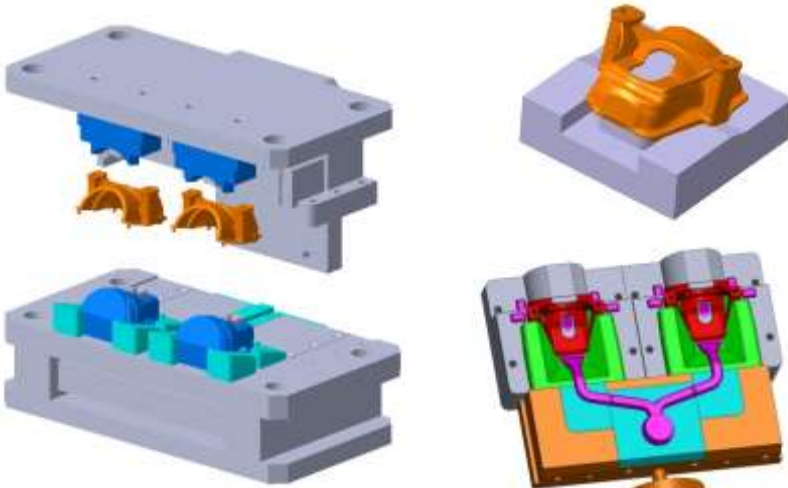
#### 1 Station Solidworks

- > Mould Design
- > Design of Machining Devices
- > Measuring Fixture and Gauge

### ➤ CAM

#### 1 Station Auton

- > Mould Core Machining
- > Machining the Machining Devices
- > Maintenance and revision machining of the moulds



# Our Customers



## UNSERE KUNDEN FÜR TIER 2



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# Thank You



## **DÖKSAN Aluminium Die Casting**

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