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Making
**aluminium for
a lighter world**

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ABTEKİN®
Kalıp & Döküm

Making aluminium for a lighter world



About Us

Abtekin Kalıp Döküm is excited to share its knowledge and experience of nearly 40 years of production with you, our valued customers.

Abtekin Kalıp Döküm, which started its activities as a mould manufacturer in 1986 with an area of 40 m², has entered the aluminum injection molding sector in 1994 according to the changing needs of the Turkish industry. In 2021, our company moved to a 5000 m² production area, increased its production capacity and took a big step in contributing to our country's exports and employment.

Abtekin finds itself among the top 1000 every year since 2011 list organised by the Istanbul Ferrous and Non Ferrous Metal Exporters' Association (IDDMIB).

Abtekin is committed to providing high-quality services with honesty and integrity, ensuring long-term success and continuity in production. We appreciate your continued support and interest, and look forward to serving you today and in the future.

Our Mission

To match total quality management principle with metrical and technical production in order to improve processes and products, so that they are in line with any and all customer expectations of quality and efficiency.

Our Vision

We want our proficiency in the realm of Aluminium injection to be recognised world wide and to be acknowledged as a respectable and reliable brand. In the future we look forward to improving our products, research and development techniques for better results in the automotive and white goods markets.

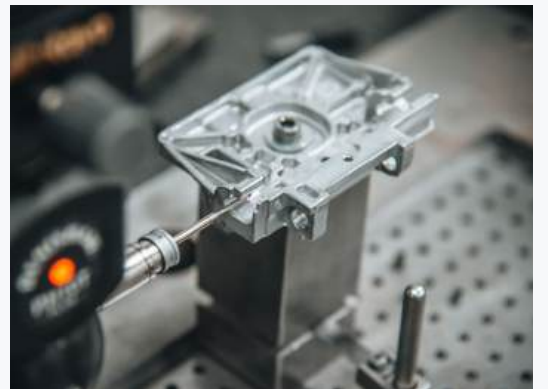


What we do?

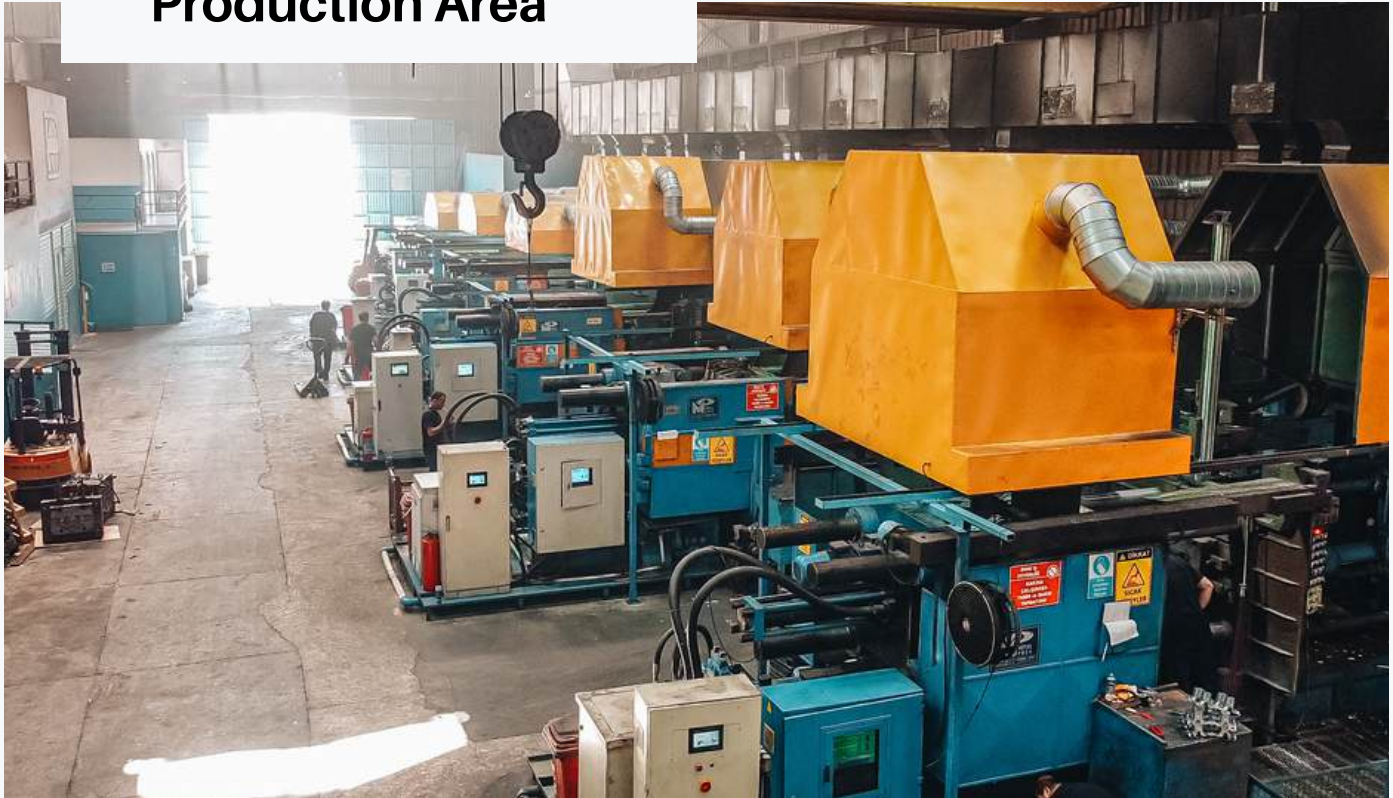
We specialize in mold manufacturing and die casting for the automotive industry, aluminum and PVC joinery machines, kitchen utensils, white goods, and various items.

Always quality production and on-time delivery

Our services include mold design and manufacturing, high pressure die casting, post casting cutting, sandblasting, vibration, CNC machining, washing, drying, packaging, domestic and international logistics operations.



Production Area



Certificates



IATF 16949:2016



AS 9100D & ISO 9001:2015

Machine Course

We aim to apply Industry 4.0 applications and modern production techniques in the casting department. Our machine park from 300 tons to 900 tons allows us to produce parts from 100 grams to 8 kilograms.



We manufacture and repair 25 aluminum molds per year with our expert team. In our machining area, which consists of 3 and 5 axis horizontal and vertical machining centers, we meet the needs of our customers with the closest tolerances.



Deburring and smoothing operations of aluminum parts are carried out in the processing section, which consists of hydraulic presses from 15 tons to 400 tons.



We believe that quality is more important than cheap workmanship. That's why we follow and try to apply new methods developed day by day in the field of quality control. This is a big part of our success.



Foundry



Mold Section



Processing



Quality Control

Available

- 1 x 900 T. HPDC machine
- 3 x 550 T. HPDC machine
- 2 x 400 T. HPDC machine
- 1 x 300 T. HPDC machine

Planning

- 1 x 1100 T. HPDC machine
- 1 x 1350 T. HPDC machine

- 7 x 3 axis CNC machining center
- 1 x 5 axis CNC machining center
- 1 x C axis CNC lathe
- 1 x CNC plunging erosion

- 2 x 400 T. hydraulic press
- 1 x 300 T. hydraulic press
- 1 x 250 T. hydraulic press
- 1 x 140 T. hydraulic press
- 1 x 50 T. hydraulic press
- 3 x 40 T. hydraulic press
- 4 x 15 T. hydraulic press

- 2 x 3D CNC-CMM
 - Mitutoyo Crysta-Apex S544
 - Hexagon Global S 9.20.08 Scan+
- 1 x 3D CMM
 - Mitutoyo Crysta-Plus M 544
- 1 x spektrometer
- 1 x X-ray machine
- 1 x stability test machine
- 1 x 3D scanner

CNC Park

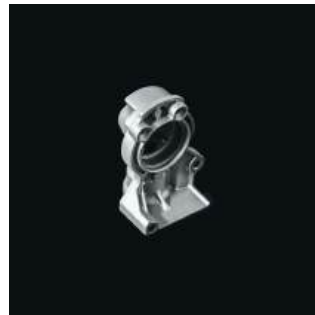
We respond to customer needs in the most efficient and proactive way with CNC machining centers within the molding department.

We work with a near-zero error understanding in our minds and 38 years of experience in our hands. We speed up processing and mold manufacturing process with our growing machine park.

- SPINNER U 1530 5 Axis CNC Machining Center
- AWEA BM-1020 3 Axis CNC Machining Center
- AWEA AF-1000 3 Axis CNC Machining Center
- AWEA AF-1060II 3 Axis CNC Machining Center
- 2x FRONTIER TP-750 CNC Machining Center
- DAHLIH MCV-1060 3 Axis CNC Machining Center
- ARES-SEIKI R6040 3 Axis CNC Machining Center
- VICTOR TURN NP-20 CNC Turning Lathe



Products





16/24 DD Brake Chamber

16/24 DD emergency brake chamber, which is a part of Abtekin R&D work and production, offers high performance and safety even in the most challenging conditions.



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