ISO 9001:2015

About us

We are a company with competent engineers from the industry, which uses know-how, competence and market knowledge as service, chooses the best business partner for you in the implementation of your products and supervises your projects from the beginning to the assembly.

With our strong network of suppliers in various fields and our many years of experience, we are able to meet your needs and requirements in the best possible way.

ISO 9001:2015

Our services

- Investment casting
- High pressure die casting
- Chill casting
- Low Pressure casting
- Machining
- Sand casting
- Laser cutting / Bending
- Welded construction
- Gears / Bevel Gears
- Reducers / Gearboxes
- Forging
- Plastic injection
- Plastic extrusion
- Aluminum extrusion
- Surface treatment
- Heat treatment

ISO 9001:2015

Investment Casting

The investment casting process offers you advantages in many ways.

- High design freedom
- Economic production
- High dimensional accuracy
- High surface quality
- Free choice of material
- Extremely intricate parts are castable

manufacture of investment cast parts ranging from 1 gr to 100 kgs in weight, and from 1 mm to 1000 mm in size for a diverse set of high quality demanding industries such as Aerospace, Energy, Automotive, Healthcare, Valves and Pumps, Textile and General Machinery.

Investment Casting

Casting material types:

- Steel alloys
- Stainless steel alloys
- Aluminum alloys
- Copper alloys
- Cobalt alloys
- Superalloys
- Cast titanium

ISO 9001:2015

High Pressure Die Casting

Advantages of die casting :

Lower costs compared to other processes. Economical - Typically, any number of components from thousands to millions can be made before replacement is required. Castings with tight dimensional control and good surface quality.

Castings weighing from 10 g to 50 kg
Supplier certifications

- IATF 16949
- AS 9100
- AD-2000 Merkblatt W0

ISO 9001:2015

High Pressure Die Casting

ISO 9001:2015

High Pressure Die Casting

ISO 9001:2015

Chill Casting

Benefits of Chill Casting:

chill cast offers many benefits for manufacturers looking for a more efficient method of making functional components and improving quality. Chill cast molds are precision machined from metallic material with excellent thermal conductivity and thermal fatigue properties.

cast parts ranging from 10 gr to 20 kg in weight

ISO 9001:2015

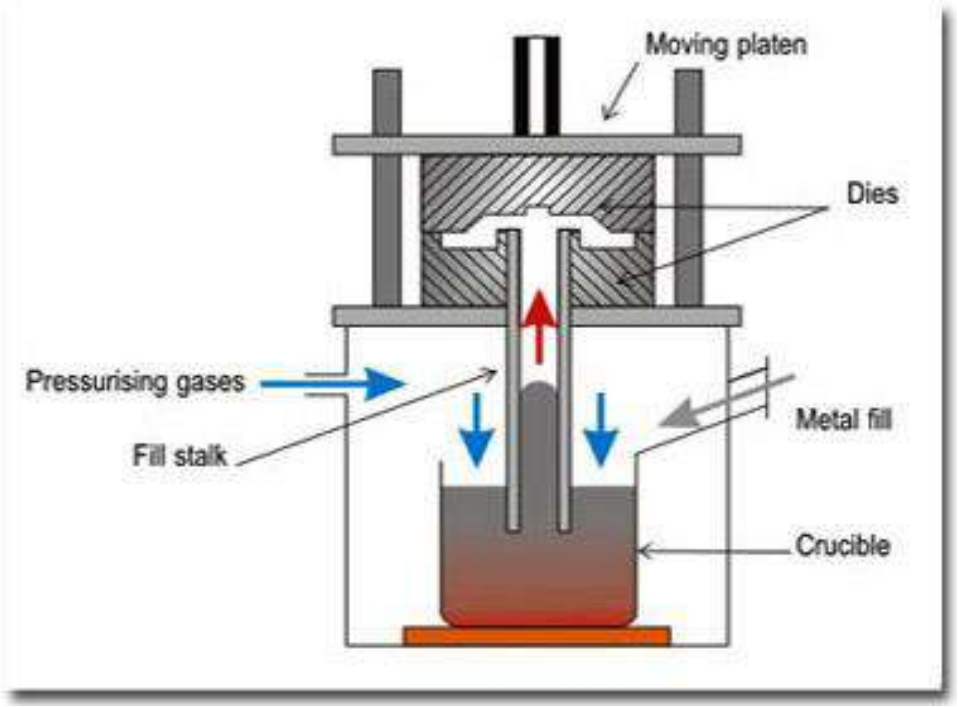
Low Pressure Casting

Benefits of Low Pressure Casting:

High quality castings, of aluminium alloys, along with magnesium and other low melting point alloys, are usually produced through this process. Castings of aluminium in the weight range of 2-150 kg are a common feature.

The process works like this: first a metal die is positioned above a sealed furnace containing molten metal. A refractory-lined riser extends from the bottom of the die into the molten metal. Low pressure air (15 - 100 kPa, 2- 15 psi) is then introduced into the furnace. This makes the molten metal rise up the tube and enter the die cavity with low turbulence. After the metal has solidified, the air pressure is released . This makes the metal still in the molten state in the riser tube to fall back into the furnace. After subsequent cooling, the die is opened and the casting extracted.

With correct die design it is possible to eliminate the need of the riser also. This is because of the directional freezing of the casting. After the sequence has been established, the process can be controlled automatically using temperature and pressure controllers to oversee the operation of more than one diecasting machine. Casting yield is exceptionally high as there is usually only one ingate and no feeders.



ISO 9001:2015

Machining

Our NADCAP aproved suppliers are supply the automotive and aerospace industries and are accordingly EN 9100 and IATF16949 certified.

We supply all kind of sectors with machined parts from bars and also automatic turned parts.

ISO 9001:2015

Machining

ISO 9001:2015

Machining

Our CNC machining plants in Ankara Turkey

ISO 9001:2015

Automatic turned parts

ISO 9001:2015

Automatic turned parts







ISO 9001:2015

Sand Casting

The sand molding process offers a wide range of design options while at the same time making it cheaper and faster.

With the molding we can flexibly respond to your needs and offer you the most economical solution.

We can supply you parts from 0.1 KG up to 15.000 KG individual weight in diverse procedure forms

Our cast suppliers for the automotive and aerospace industries are certified according to IATF 16949 and EN 9100.

Sand Casting

Different material options:

Alloyed steel

Carbon steel

Gray cast iron / spheroidal cast iron

aluminum

ISO 9001:2015

Sand Casting

ISO 9001:2015

Laser Cutting / Bending

In our scope of delivery are bent parts and stamped parts as well as laser cutted and assembled parts according to your needs from certified Suppliers

ISO 9001:2015

Laser Cutting / Bending

ISO 9001:2015

Welded Construction

Welded components are all manufactured by suppliers certified according to ISO standards.

ISO 9001:2015

Welded Construction

ISO 9001:2015

Welded Construction

ISO 9001:2015

Gears / Bevel Gears

With our extensive supplier portal, we can cover all your needs in the field of Gears and Bevel Gears.

ISO 9001:2015

Gears / Bevel Gears

ISO 9001:2015

Gears / Bevel Gears

Our state-of-the-art facility in Konya Turkey

ISO 9001:2015

Forging

With our extensive supplier portal, we can cover all your needs in the field of cold and hot forged castings.

Trust us in choosing the right supplier for your needs.

ISO 9001:2015

Forging

Hot forging in different materials and range up to 250 kg

ISO 9001:2015

Reducers / Gearboxes

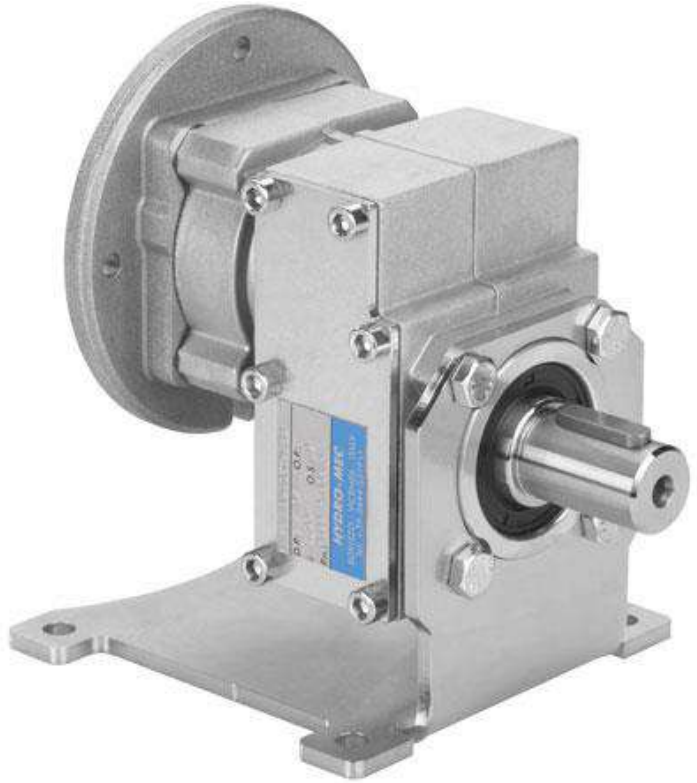
All types of reducers and gearboxes that are manufactured in state-of-the-art facilities are used in various sectors around the world.

In our high-tech factories, all types of special reducers and gears can be manufactured as required.

Below are our plant in Konya Turkey

ISO 9001:2015

Reducers / Gearboxes



ISO 9001:2015

Reducers / Gearboxes

ISO 9001:2015

Reducers / Gearboxes

ISO 9001:2015

Plastic Injection

Injection molding is a manufacturing process for producing parts by injecting molten material into a mold, or mold. Injection molding can be performed with a host of materials mainly including metals (for which the process is called die-casting), glasses, elastomers, confections, and most commonly thermoplastic and thermosetting polymers.

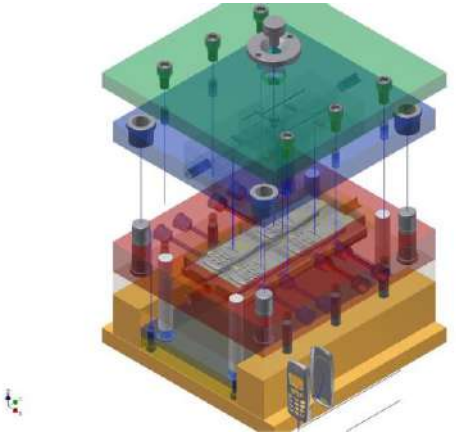
Material for the part is fed into a heated barrel, mixed (using a helical shaped screw), and injected into a mold cavity, where it cools and hardens to the configuration of the cavity.

Injection molding is widely used for manufacturing a variety of parts, from the smallest components to entire body panels of cars.

Parts to be injection molded must be very carefully designed to facilitate the molding process; the material used for the part, the desired shape and features of the part, the material of the mold, and the properties of the molding machine must all be taken into account. The versatility of injection molding is facilitated by this breadth of design considerations and possibilities.

ISO 9001:2015

Plastic Injection



Plastic Extrusion

Plastics extrusion is a high-volume manufacturing process in which raw plastic is melted and formed into a continuous profile. ... This process starts by feeding plastic material (pellets, granules, flakes or powders) from a hopper into the barrel of the extruder.

ISO 9001:2015

Plastic Extrusion

ISO 9001:2015

Aluminum Extrusion

Aluminum profiles are shaped by using profile molds in the extrusion line. The aluminum molds can both be in standard shapes or be designed customized to your needs. Our suppliers are approved manufacturer for Automotive

ISO 9001:2015

Aluminum Extrusion

We respond to all your special requests with our solution partners.

ISO 9001:2015

Surface Treatment

- galvanization
- electropolishing
- Zinc nickel coating
- Manganese phosphate coating
- chromate and hard chromate coating
- Cataphoresis coating
- Powder coating in various RAL colors
- and more

ISO 9001:2015

Heat Treatment

Our Heat treatment suppliers are approved by the Aviation and Automotive Industries

Annealing

- Normalizing
- Stress Relieving
- Quenching and Tempering
- Vacuum Hardening
- Homogenization
- Decarburization
- Nitriding
- Carburization
- Case Hardening
- and more

ISO 9001:2015

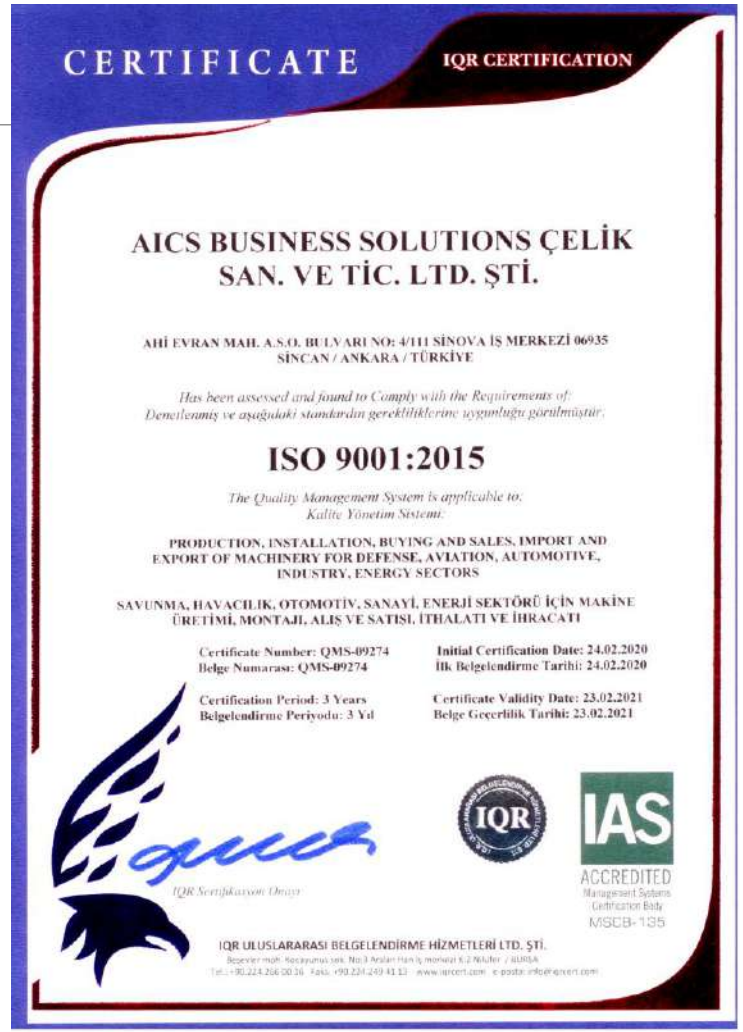
Quality

Our quality control systems are in line with the standards requested by our customers at every production stage.

AICS has been certified according to ISO-9001:2015 and has implemented a quality management system.

Our products are manufactured and checked according to the highest quality standards.

Our suppliers are certified under ISO-9001:2015, IATF 16949, NADCAP and / or AS 9100.



CERTIFICATE

IQR CERTIFICATION

AICS BUSINESS SOLUTIONS ÇELİK SAN. VE TİC. LTD. ŞTİ.

AHİ EVRAN MAH. A.S.O. BULVARI NO: 4/111 SİNOVA İŞ MERKEZİ 06935 SİNCAN / ANKARA / TÜRKİYE

Has been assessed and found to Comply with the Requirements of:
Denetlenmiş ve aşağıdaki standardın gerekliliklerine uygunluğu görülmüştür:

ISO 9001:2015

The Quality Management System is applicable to:
Kalite Yönetim Sistemi:

PRODUCTION, INSTALLATION, BUYING AND SALES, IMPORT AND EXPORT OF MACHINERY FOR DEFENSE, AVIATION, AUTOMOTIVE, INDUSTRY, ENERGY SECTORS

SAVUNMA, HAVACILIK, OTOMOTİV, SANAYİ, ENERJİ SEKTÖRÜ İÇİN MAKİNE ÜRETİMİ, MONTAJI, ALIŞ VE SATIŞI, İTHALATI VE İHRACATI

Certificate Number: QMS-09274
Belge Numarası: QMS-09274

Initial Certification Date: 24.02.2020
İlk Belgelendirme Tarihi: 24.02.2020

Certification Period: 3 Years
Belgelendirme Periyodu: 3 Yıl

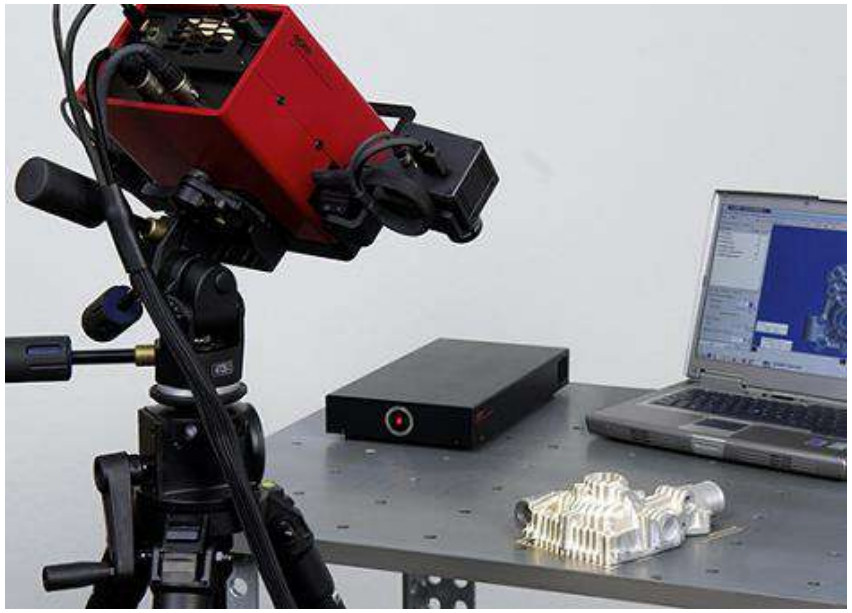
Certificate Validity Date: 23.02.2021
Belge Geçerlilik Tarihi: 23.02.2021

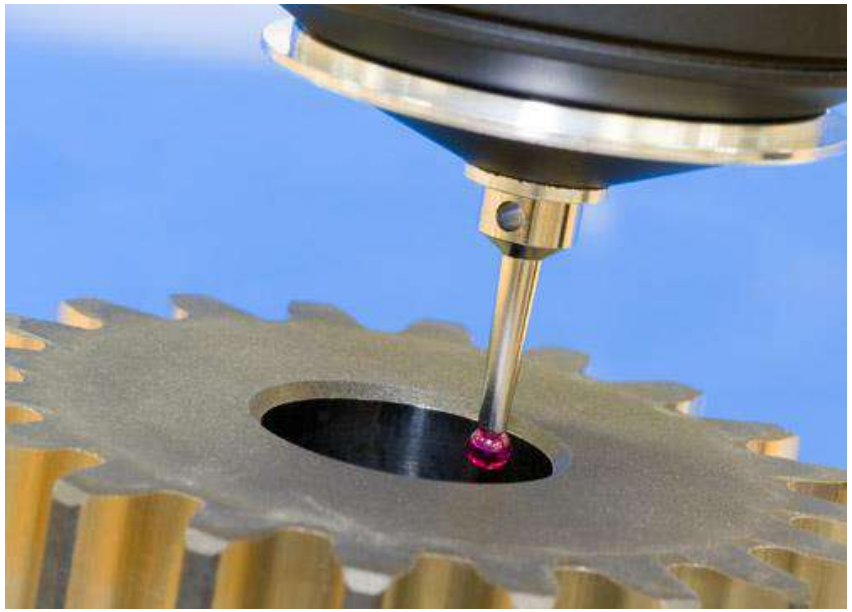
IQR Sertifikasyon Direktörü

IAS ACCREDITED Management Systems Certification Body MSCB-135

IQR ULUSLARARASI BELGELENDİRME HİZMETLERİ LTD. ŞTİ.


VAST

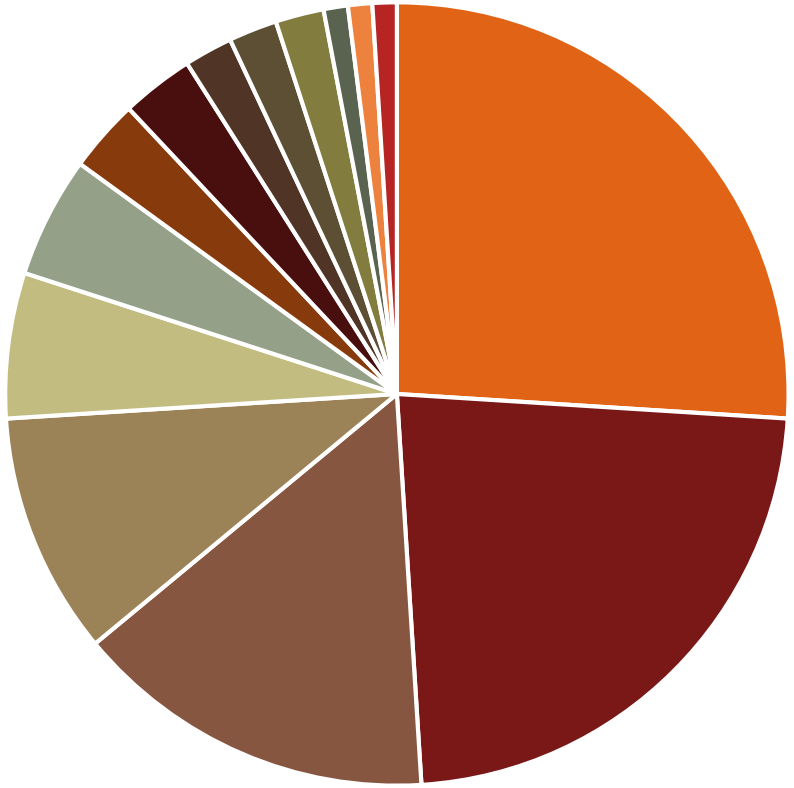




ISO 9001:2015

Market Scope

- 26% Investment Casting
- 23% Machining / Turning parts
- 15% Sand Casting
- 10% Laser Cutting / Bending
- 6% High Pressure Die Casting
- 5% Welded Construction
- 3% Gears / Bevel Gears
- 3% Plastic Injection
- 2% Chill Casting
- 2% Reducers / Gear Boxes
- 2% Forging
- 1% Low Pressure Casting
- 1% Plastic Extrusion
- 1% Aluminum Ekstrusion



ISO 9001:2015

Served Sectors

- 26% Automotive
- 23% Aviation and Defence
- 18% General Machinery
- 15% Pumps and Valves
- 8% Medical
- 6% Electric
- 4% Food and Packaging