

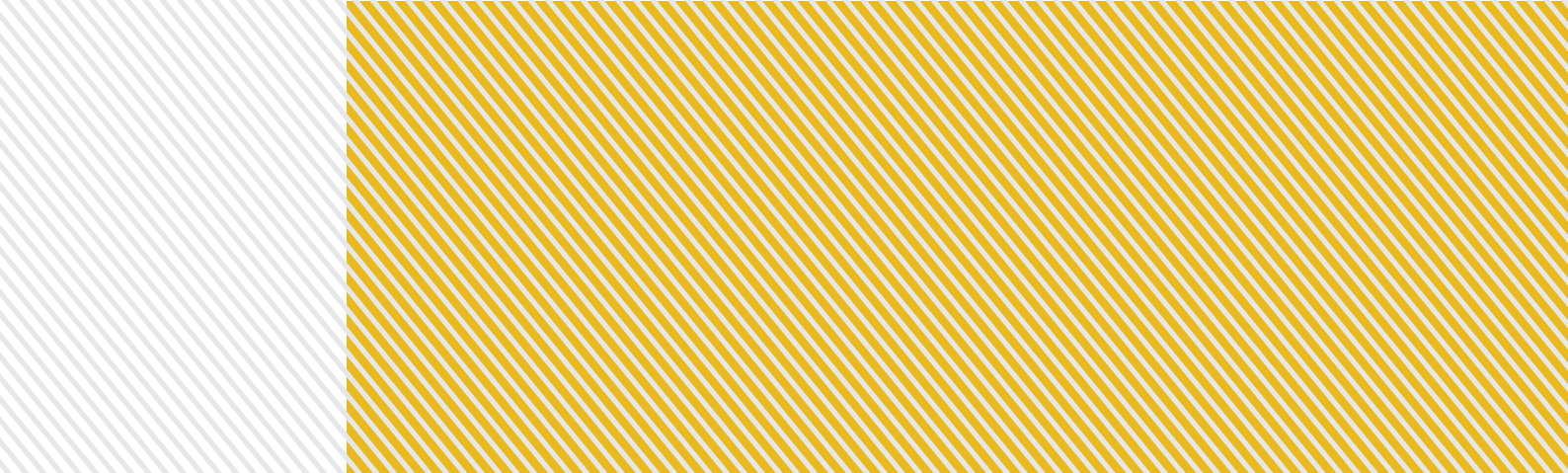


ITF CO

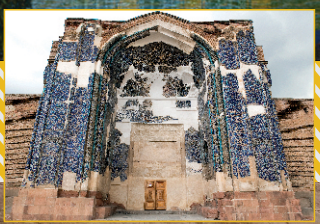
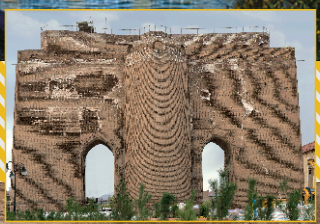
IRAN TRACTOR FOUNDRY COMPANY

Designer and Manufacturer of Complex
Cast-Iron Parts for Vehicles and Industries
in IRAN





Tehranchi



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ITF CO

IRAN TRACTOR FOUNDRY COMPANY

**Designer and Manufacturer of Complex
Cast-Iron Parts for Vehicles and Industries
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History

1968

With the establishment of Iran Tractor Manufacturing Company to produce all kinds of agriculture tractors, it started working as a foundry project to supply cast iron parts for tractors.

1987

IRAN TRACTOR FOUNDRY was separated from ITMCO and was registered under the title of private company.

1998

ITFCO, was converted from a private company to public company and it was listed in the Tehran Securities & Exchange organization.

2005

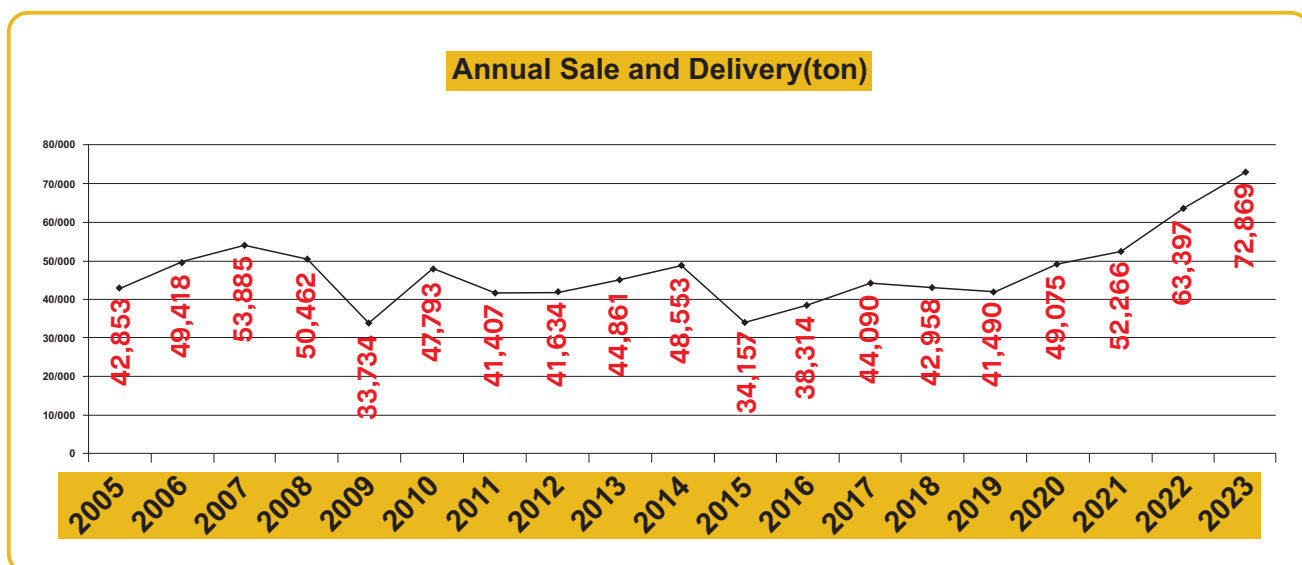
Installation and operation of lost foam production in ITFCO

2010

The joining of Urmia Tractor Foundry to ITFCO with a capacity of 5,000 tons

2010-2023

Renovation of equipment and machinery and work shifts.



About the Foundry

Now Iran Tractor Foundry is the largest cast iron foundry in Iran with an annual capacity of 80,000 tons.

The products of this company include all kinds of parts with gray and ductile cast iron in all different industrial grades, which can be used in various industries such as tractors, automotives, road construction and etc.

All the process of designing and making the patterns, core boxes and fixtures are done inside the company and the order review starts from receiving the two or three-dimensional drawings or the part file or the part sample and according to the requirements of the quality management systems.

This company is a leader in the field of using integrated management systems and started since 1996 with ISO9000 and always by upgrading management systems, this company has kept itself updated. Currently, the processes of the organization are implemented according to these standards: IATF 16949, ISO9001, ISO45001, ISO 14001, ISO50001 and believes that their effective implementation leads to the improvement of the organization and customer and society satisfaction.



Products

Due to its high quality and competitive price, this company has more than 25 years of experience in exporting to Europe.

The following can be mentioned among the products of this company:

All types of cast iron cylinder blocks and cylinder heads and front and rear axles for tractors and trucks, gearbox shells and center housing shells, differential boxes and wheel arms, exhaust manifolds and crankshafts, truck wheel arches and all kinds of cast iron parts that need for tractor , truck , vehicles and other industrial.

Recently, a machining shop has been established next to the foundry to meet the needs of customers for machined orders too.

Production process

Production is done using 4 automatic moulding lines A , B , C , using green sand moulding method and one lost foam and the second one is being installed soon and 2 manual moulding workshop , G , H for special parts .

Also ITFCO has work shop in Urmia city , Automatic molding line E and manual moulding workshop , F , that used to make our some spare parts and some big cast iron parts.



Automatic Moulding Line A

Squeezed Moulding line

Practical Capacity: 180 Mould / h

Flask Dimension : 610*457*152* 152mm

Weight of Products : 100 g up to 30 kg

Automatic Moulding Line B

The Dynapulse Moulding line

Practical Capacity: 100 Mould / h

Flask Dimensions: 965*711*305*305mm

Weight of Products : Up to 80 kg

Automatic Moulding line C

Jolt & Squeezed Moulding line

Practical Capacity: 60 Mould / h

Flask Dimensions: 1420 *915 *405 *405 mm

Weight of Products : Up to 350 kg

Automatic Lost Foam line

H&V vibration system to sand compacting

Practical Capacity: 20 Mould / h

Flask Dimensions: 1000*1000*1100 mm

, and the Second line that is installed soon: 1100*1100*1200mm

Weight of Products : Up to 180 kg

Automatic Moulding Line E

Vacuum & Squeezed Moulding line

Practical Capacity: 80 Mould / h

Flask Dimension : 680*530*280* 280mm

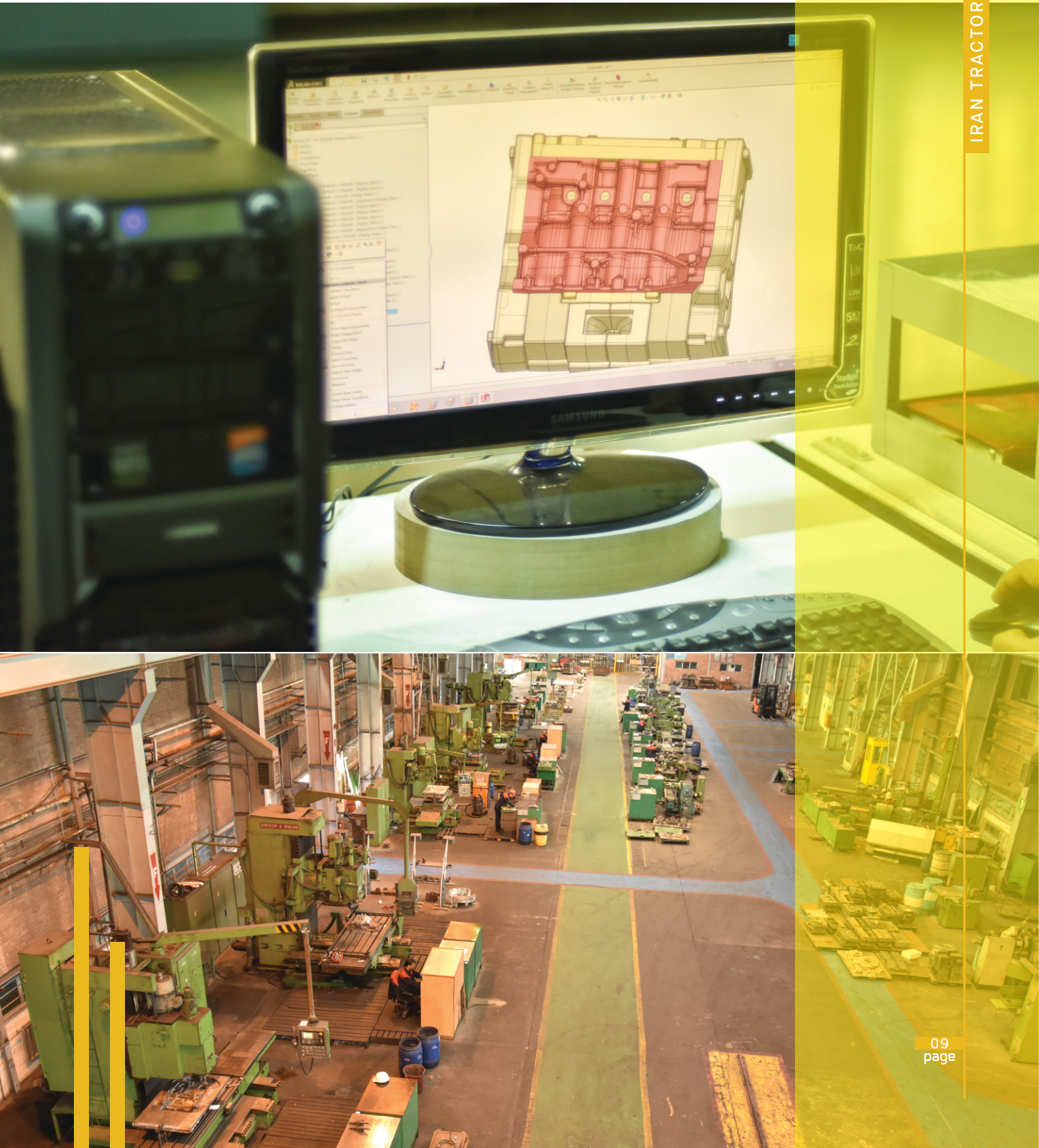
Weight of Products : up to 60 kg





R&D department

At Iran Tractor Foundry Company, research and development (R&D) center is dedicated to advancing our technologies and processes to meet the evolving needs of our customers. Our team of experienced engineers and academic researchers collaborate closely to update casting techniques, and enhance product performance. Our commitment to continuous improvement drives us to explore cutting-edge technologies, enabling us to increase production capacity while ensuring the delivery of high-quality products that meet global standards. Moreover, the R&D center not only focuses on the continuous improvement of the company, but also considers environmental conservation.





A summary of the main capabilities

- 3D design & tool manufacturing and equipment required for the casting process.
- Automatic production of cast iron parts from 200 gr to 350 kg
- Accepting the machining order too
- Ability to produce by lost foam casting method to reach: environmentally friendly, high quality and accurate products, necessary smoother surface quality, flexibility in designing complex components, no need to design complex cores, additional possibility for weight reduction
- Advanced laboratories include chemical analysis laboratory, chemistry, sand, metallography, mechanical properties including hardness and tensile strength test, destructive tests such as cutting and non-destructive tests such as crack test, X-ray and three-dimensional control of parts, CMM tool and machine, which these laboratories are used to control input materials, process control and control Products
- Having a technical office and renovation workshop to design and make some equipments , needed machines and some spare parts
- Research and development department for innovation and improvement in materials, methods and equipment
- More than half a century of experience and transfer of manpower skills
- More than 25 years of export experience, especially to europe , because of high quality, competitive price and on time delivery

Future plans

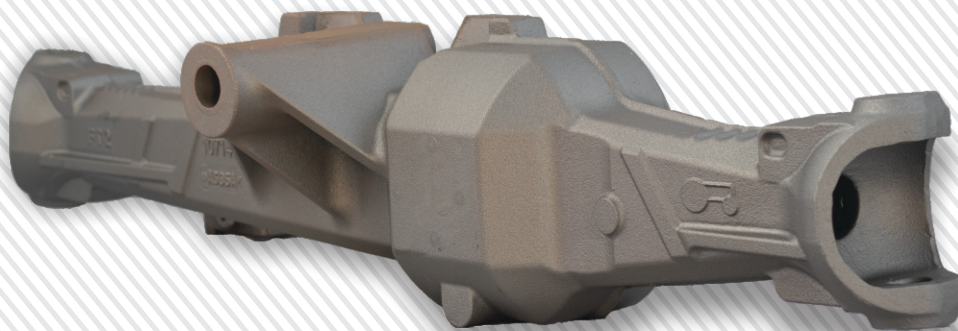
We are currently defining and implementing many development projects in the company to achieve sustainable production of 100 thousand tons by 2027 with considering the satisfaction of customers, all stakeholders, society and the environment .

More attention

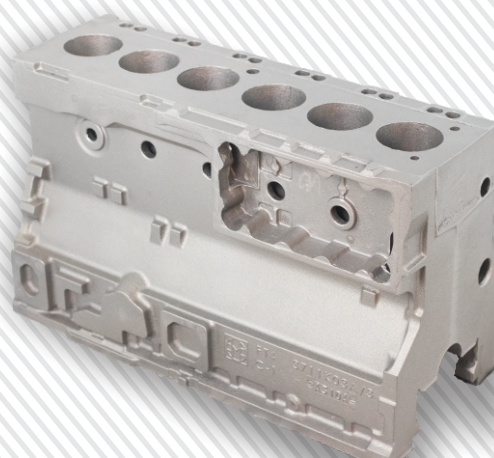
For more information, please refer to the company's website:



www.itf.ir



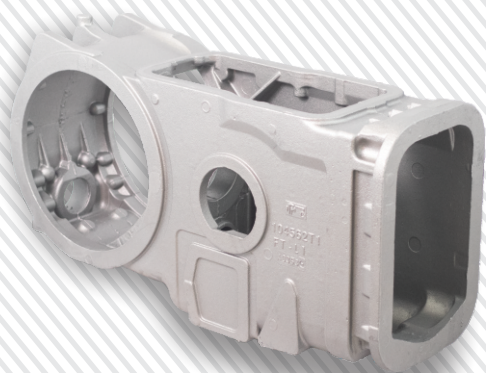
Front Axle 399 (115.200 Kg)



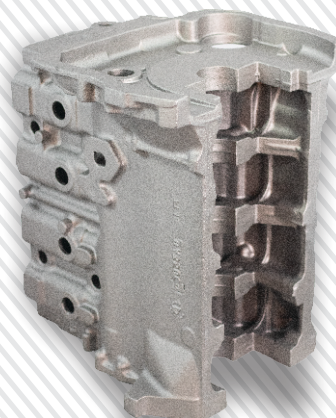
Cylinder Block(6.60) (186.300 Kg)



Differential Axle-Truck (160.500 Kg)



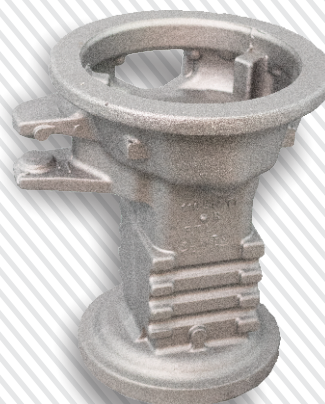
Center Housing (109.300 Kg)



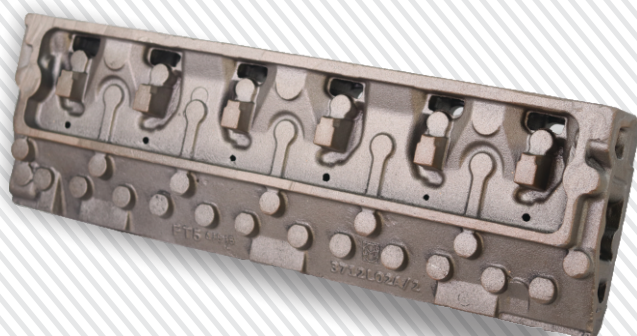
Cylinder Block(4) (130 Kg)



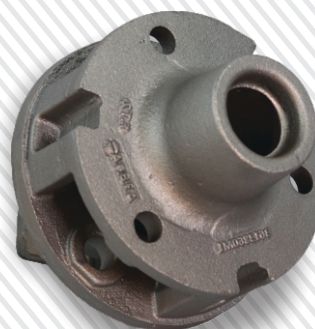
Gear box TRACTOR (83.150 Kg)



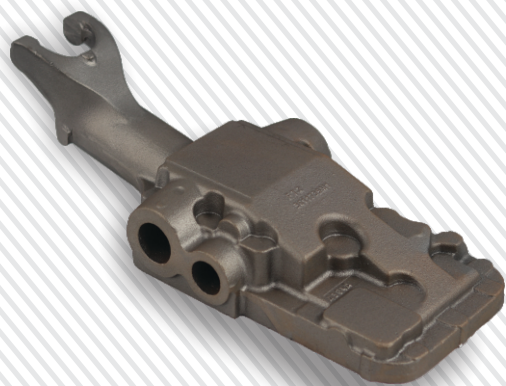
Axle Housing 240 (66.900 Kg)



Cylinder Head(6.60) (67.450 Kg)



Planetary Carrier (19.250 Kg)



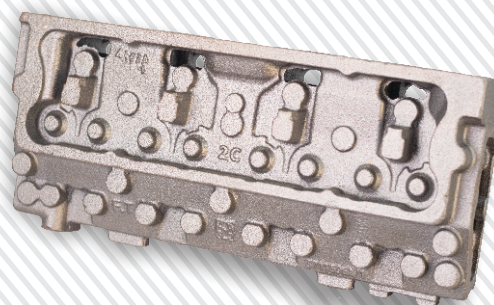
Cover HYD Lift (36.800 Kg)



Cylinder Block(3) (78.400Kg)



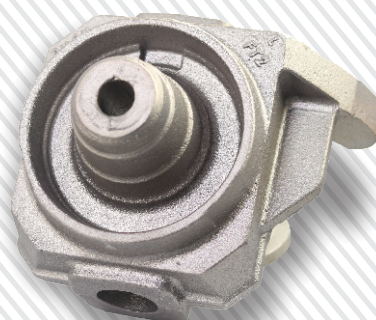
Case Transmission (40.200 Kg)



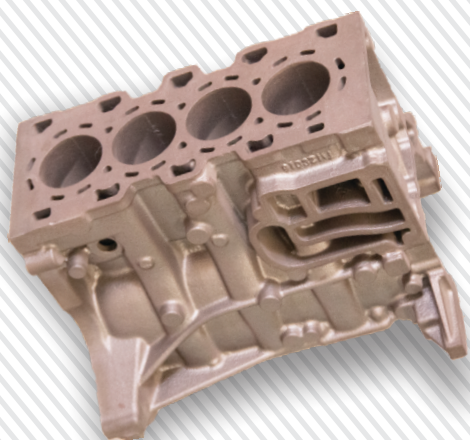
Cylinder Head (40.200 Kg)



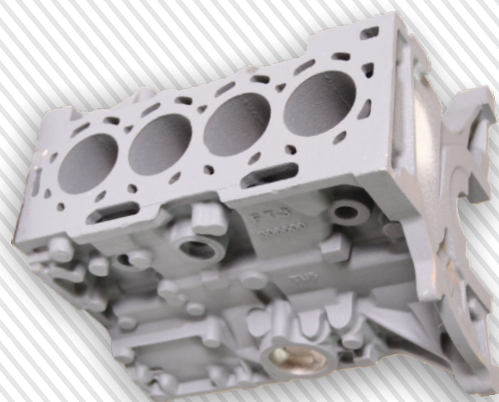
HYD Rostatic Cover (32.800 Kg)



Case Wheel (24.100 Kg)



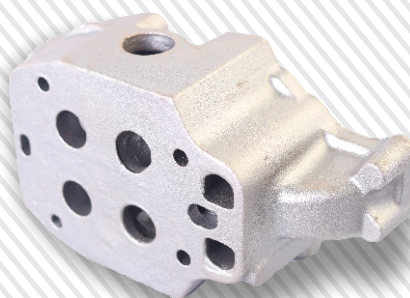
Cylinder Block Ef7 (47.700 Kg)



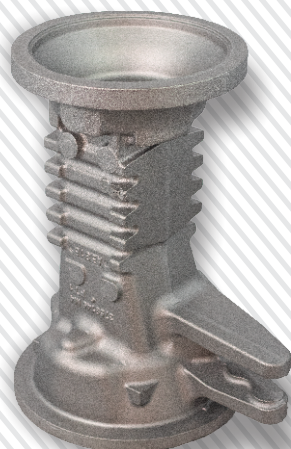
Cylinder Block Tu5 (47.850Kg)



Clutch Housing 399 (31.500 Kg)



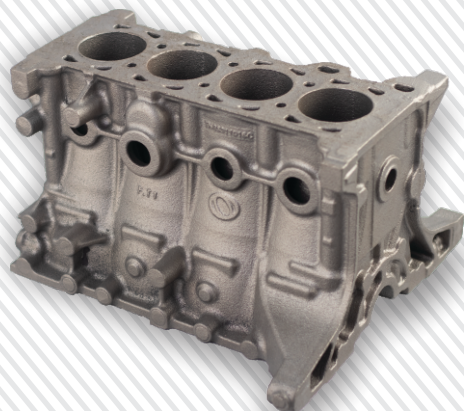
Cylinder head EURO O&2 (15.100 Kg)



Axle Housing 285 (85.500 Kg)



Crank Shaft TIBA (11 Kg)



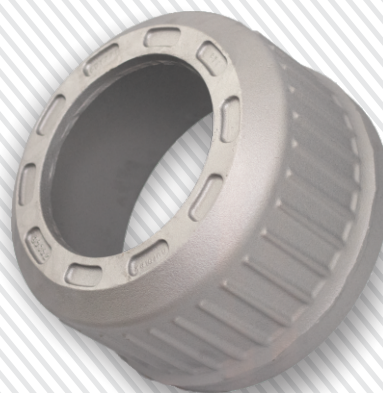
Cylinder Block TIBA (37.800 Kg)



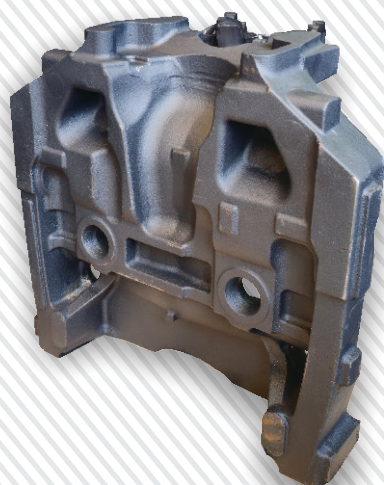
Wheel Arm 405(Safety) (9.200Kg)



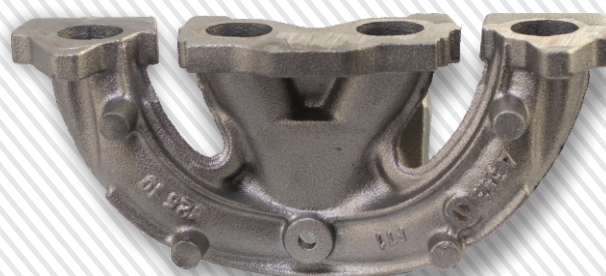
Wheel Arm 206(Safety) (5.200 Kg)



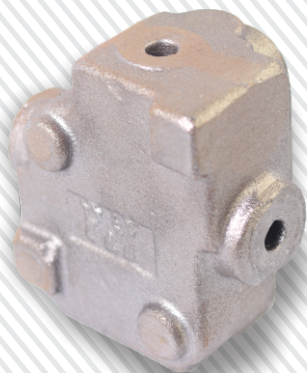
Brake Drum (72.300 Kg)



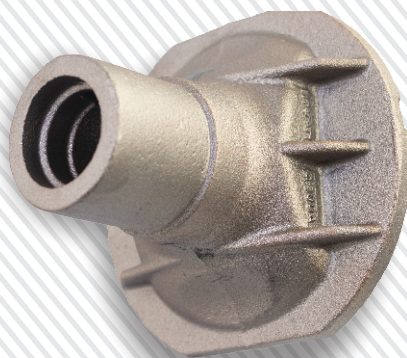
Front Support (178.450 Kg)



Exhaust Manifold Tu5 (5.400 Kg)



Valve Body (3 Kg)



Differential Housing (17.550Kg)



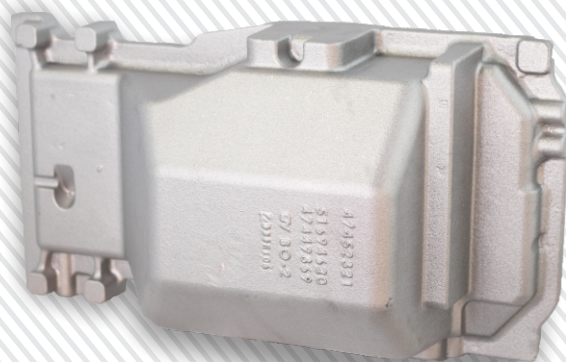
Cap (2.100 Kg)



Wheel Hub (29.450 Kg)



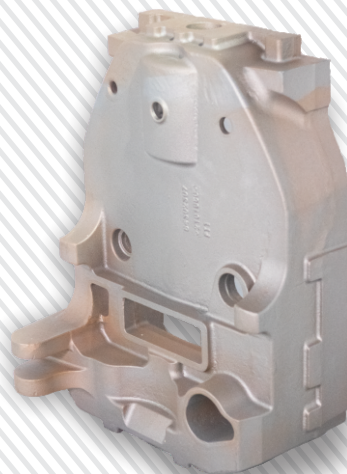
Hub 2935 (32 Kg)



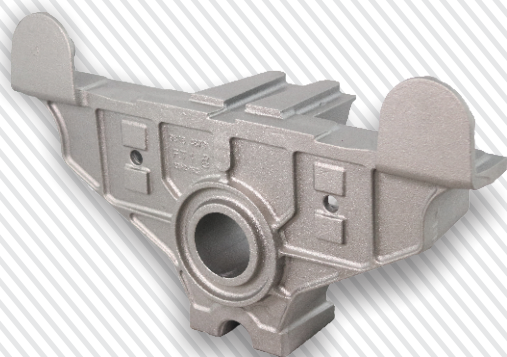
Hydrostatic Cover (68 Kg)



Wdl Housing (20 Kg)



Front Support (274 Kg)



Support Mensola (113 Kg)



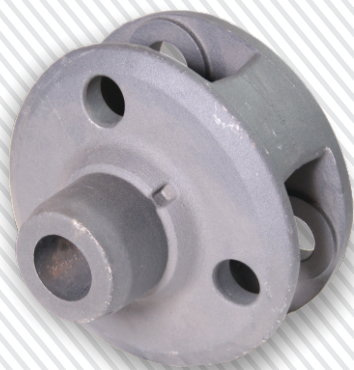
Housing Spacer (66 Kg)



Flyweel Housing (57 Kg)



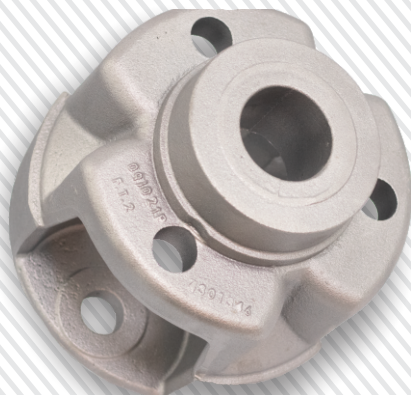
Hub (34 Kg)



Carrier Pinion (32 Kg)



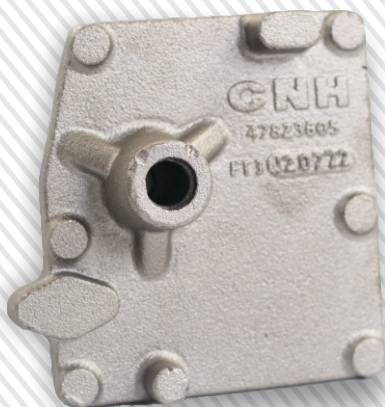
Exhaust Manifold Extra (5.600Kg)



Carrier Pinion (48 Kg)



Spacer (101 Kg)



Support (9 Kg)



Housing (6 Kg)







IRAN TRACTOR FOUNDRY COMPANY

Factory

5km Sardrood Road
TABRIZ, IRAN.
Mailbox: 51845-338
Zip Code: 5197815863

+9841-51053081
+9841-51053500
info@irtrf.com
sales@irtrf.com

TEHRAN Office

Opposite Shahab Khodro, 9/5 Km
of Karaj Special Road.

+9821-44565403
+9821-44539086
+9821-44539033



www.itf.ir

