

Godaz Novin Industry

Having more than a decade's experience, and employing young specialist work force and efficient managers to ensure continual improvement and betterment of quality level in order to satisfy the users, Godaz Novin Industry is honored to produce different parts of stainless steel, cementite, and special alloys with the best technical quality, using state of the art equipment and technology.

Also, Godaz Novin Industry is able to efficiently serve different industries such as oil and gas, petroleum, car manufacturing, machine manufacturing, farming, pumps and turbines, cement industries, road building, railway, etc.



صنایع گداز نوین
GODAZ NOVIN INDUSTRY

Designing and Engineering Unit

Having an efficient work force, and employing the most advanced engineer assistant CAE (Computer Aided Engineering) and casting simulation software, Gofaz Novin Industry is ready to provide service for employers, and manufacturing and industrial centers.

Thus, in order to lower production costs, increase efficiency and utility, and solve potential problems, Godaz Novin Industry provides the following procedures:

۱. Creating the capability to calculate the price for products (precise estimation of the part using the map and ۳-D file, choosing suitable casting material, and having a controllable heat slope with directional freezing)
۲. Monitoring potential problems (weld line, air trap, shrinkage)
۳. Offering different strategies to solve problems
۴. Using suitable feeding system (high efficiency)
۵. Monitoring the speed of parts' filling using the gating system in simulation software, studying and decreasing the speed of filling where the speed of filling is higher than the critical speed by changing the design, estimating the probability of sand washing and problems like that .

Productions

Simple Carbon Steel

Casting different types of simple carbon steel which is waterproof, low alloy, and resistant toward corrosion, erosion, stroke, serviceable in road building, machine manufacturing, car manufacturing, oil and gas, farming, and etc.

High Alloy Steel

Casting different alloys of stainless steel 304, 316, 304 L, 316 L, 420,

Super Alloys such as duplex or zircon, serviceable in industries such as pumps and turbines, petroleum, oil and gas, food,

Cementite

Casting different types of cementite, such as gray GC, ductile GGG, high alloy, erosion-resistant, high chrome, high nickel, ni-hard, and etc., serviceable in industries such as cement, crushers and so on.

Non-metal Alloys

Casting diverse types of copper alloy, phosphor bronze including impeller.

This company is ready to produce casting parts made of any kind of special alloys.

Casting Unit

Casting different parts of double suction pump, diffusers, impeller, and pumping containers in different and complex sizes.

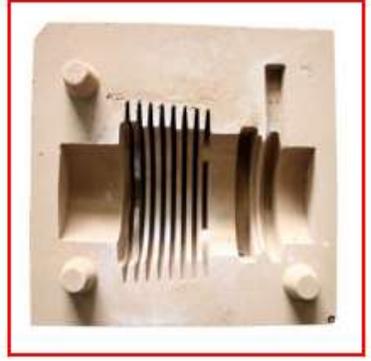
- Casting complex parts

- Using different types of covers (to keep the surfaces clean), and sleeves (to feed the parts)

- Using different forms of CO₂ sands, chromite, acid adhesive, phenol and etc.

- Employing condensers

- Numbering the parts to make tracking possible



Quality Control and Laboratory Unit

- Spectrometer machine, ۲۰۰۹ technology manufactured in England, which can measure ۳۴ elements in one metal base (cementite and steel), and calculate the percent of nitrogen in stainless steel base.
- Hardness tester machine
- Metallography machine for determining microstructure of products and the standard of produced parts
- Enjoying thermometer and pyrometer machines (determining melting temperature during the casting by the use of laser)

Undamaging tests like UT, PT, RT, ... are used to check the parts in terms of quality.

Also, different quality control licenses such as parts' analyze (along with purchasable samples), special mechanical license and heat operation (sample in the form of Y block) are offered.



**Address: Tehran, ۱۶ Kilometers to Karaj Road, Andishe ring road, Zagros Industrial Complex,
number ۹۸**



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