



INDUSTEEL produces and sells ingots for open die forging and ring-rolling, as well as casting pieces for hydro-electric & nuclear applications.

INDUSTEEL offers:

- A wide range of steel grades from pure iron to high alloyed steel grades (such as stainless steels, nickel based alloys etc...).
- A wide range of ingots adapted to the customers specific requirements.

Traditional Ingot (round, polygonal, corrugated and square)

- From 4 to 190 tons (unit weight)
- Round Ø 500mm up to 1500mm



Round hollow ingot - Polygonal hollow ingot

- From 30 to 240 tons



Vacuum cast ingot

- From 76 to 270 tons



Casting

- From 60 to 250 tons
- Width 7m, depth 4.5m, length 14m
- Stainless, low alloy and carbon steel grades



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 ® Patented grade



INDUSTEEL is able to produce over 500 grades tailor-made for different markets : offshore, protection, pressure vessels...

OIL & GAS	NUCLEAR	NAVY	WIND ENERGY
F91/92	30CrMoV4-11	80/100HLES	42CrMo4/Mod
F11/22	16/18/20 MnD5	N01	18/34CrNiMo6
F65	304L	HY 80/100	WSTE / P355NL
F51 Duplex	316L	B64	14CrMoV6 -9
8630	FXM11		31CrMoV9

Non-exhaustive list

SPECIFICITIES :

Low Hydrogen

Metal degassing at low pressure, and the creation of adapted slag enables us to obtain hydrogen content down to 1ppm through a vacuum pouring process.

Sulphur content

- Appropriate metal and slag deoxidation enables us to produce low sulphur aims under 10ppm sulphur content.
- For grades with aimed sulphur, calcium treatment is used to obtain globular inclusion in order to facilitate machining.

Inclusion cleanliness

The specific steel plant facilities (furnace, LF, VD/VOD), and process control guarantee very low oxygen content and high standards in inclusion characteristics.

NEW EQUIPMENT

New under vacuum pouring station.
 One of the world's most efficient equipment able to achieve vacuum < 0.1 Tor.



Backed up by a dynamic research center to assist our customers



OUR EQUIPMENT

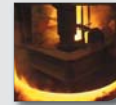
Electric arc furnace

- Capacity 240,000 tons/year
- Ladle capacity 70 to 100 tons



Secondary metallurgy

- Ladle furnace
- VD
- VOD with supersonic lance



Casting facilities

- Bottom pouring
- Under vacuum pouring
- Hollow ingots pouring
- Castings pouring in pits



Finishing facilities

- Heat treatments
- Specific furnaces to achieve your requirements
- Sawing capacities
- Grinding machine - Oxycutting



Laboratory

- Spectrometer
- X ray spectrometer
- Carbon / sulphur analysis
- Hydrogen / Oxygen / Nitrogen analysis





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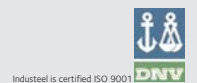
Le Creusot Plant

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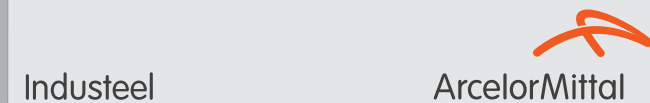
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transforming
tomorrow



Industeel is certified ISO 9001



Ingots & Castings