



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

OIL & GAS

F91/92
 F11/22
 F65
 F51 Duplex
 8630

NUCLEAR

30CrMoV4-11
 16/18/20 MnD5
 304L
 316L
 FXM11

NAVY

80/100HLES
 NQ1
 HY 80/100
 B64

WIND ENERGY

42CrMo4/Mod
 18/34CrNiMo6
 WSTE / P355NL
 14CrMoV6 -9
 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

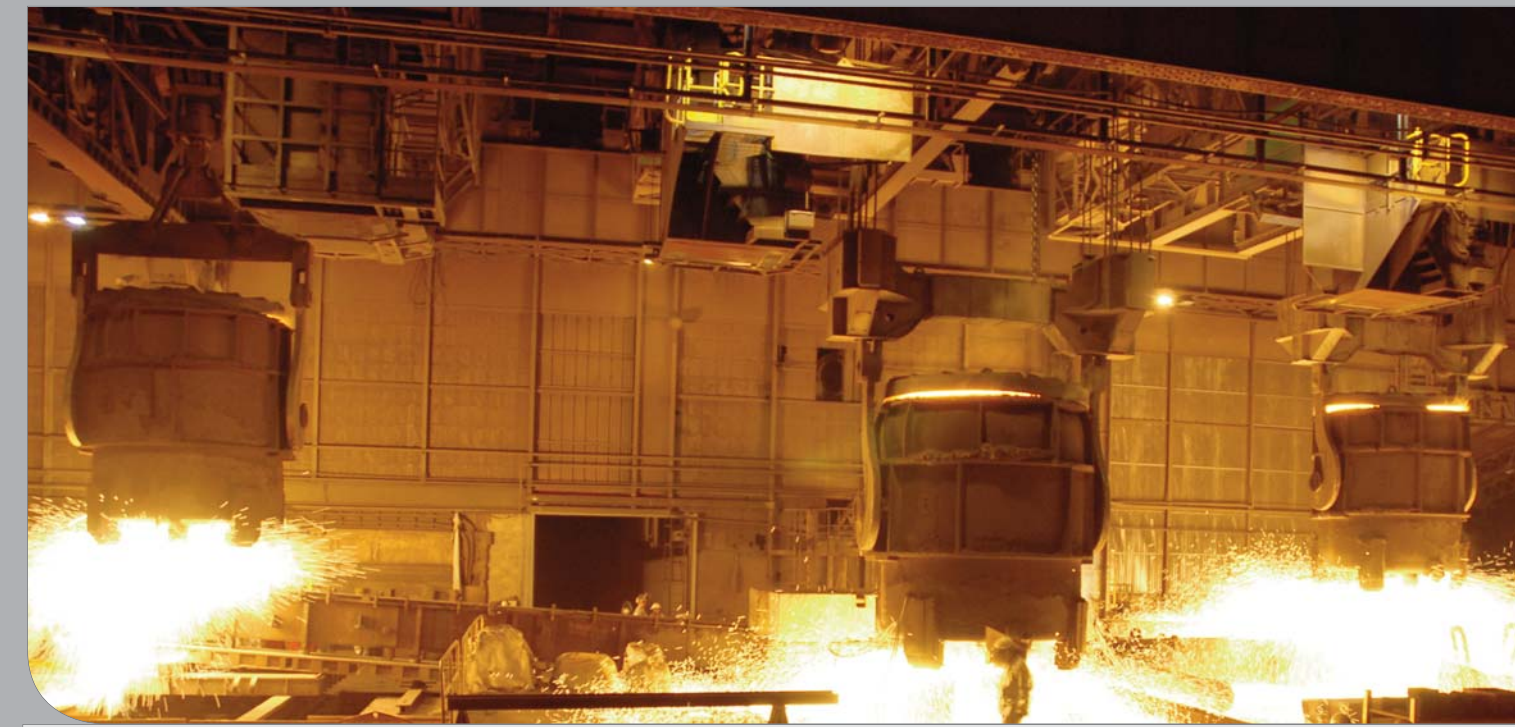
The specific steel plant facilities (furnace, LF, VD/VOD), and process control guarantee very low oxygen content and high standards in inclusion characteristics.

NEW EQUIPMENT

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



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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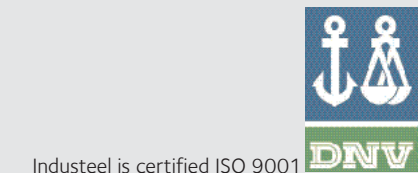
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 tomorrow**



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Ingots & Castings