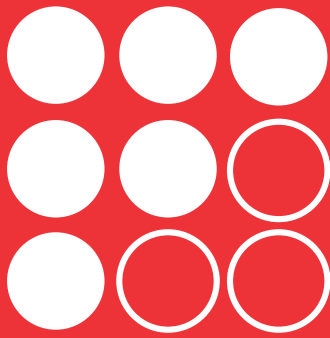




ALLOYING EXCELLENCE
AT EVERY STEP



Vandana Global
FEROTON
Alloying The New

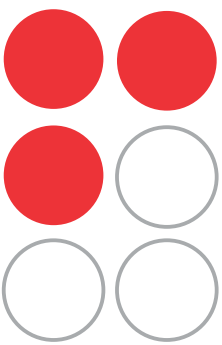


Vandana Global Ltd has been empowering India since 1996. A company deeply rooted in sustainable development and bold progress ideas; We contribute to the growing Indian Economy with innovative core technology and work ethics. Registered in Mumbai and working from Raipur Chhattisgarh, the group has positioned itself today to create high value across diverse domains with four key differentiators: state of the art manufacturing technology, efficient and effective quality management system, adherence of delivery schedule with consistency in supply and commitment towards customer satisfaction through continuous improvement. Vandana Global today boasts of successes in a range of domains including manufacturing of Ferro Alloys, Sponge Iron, TMT bars, Wire Rods, Mining, Power (Thermal, Solar, and Wind). As per notification No. 4(8)/2010-SD-I of Ministry of Steel, Government of India, on the basis of process route & technology Vandana Global fulfils the criteria of being a PRIMARY STEEL PRODUCER

From the Management Desk

Fuelled by rapid urbanization and industrialization, robust growth in steel production and consumption globally, the demand for Ferro alloys as an alloying agent in manufacturing of steel has significantly grown in the recent decades. The world has been striving for creating stronger and more durable end products which prepare us towards a vibrant tomorrow. We endeavour to achieve the same through delivering best quality Ferro Silico Manganese and Ferro Manganese branded as Feroton. It will join new worlds and bridge the gap between Steel Industry's dreams and reality.

*Vijit Kumar Agrawal,
Director – Vandana Global Ltd.*



Feroton

Feroton is our tool to bridge a strong past with a strengthened future. It is our endeavour as a new alloying element and as a pioneering product in the global Ferro alloys market to meet the demand of next generation steel. With our fully integrated state of art manufacturing facilities we produce Ferro alloys in the Ferro Silico Manganese and Ferro Manganese category and strive with our quality assurance to give benchmark products to the market under the brand name of Feroton.



Features and Benefits

Our features create holistic benefits for the Steel industry in particular and community and customer as a whole.

- a) Adherence of quality parameters of BIS and International standards of Ferro Silico Manganese and Ferro Manganese to guarantee consistent output.
- b) Size Ranging from 10-50mm / 10-150mm / 25-150mm / 0-3mm / 3-10mm with negligible tolerance or as per buyer's specified size.
- c) Packing: Branded HDPE/ Gunny Bags of 50 Kgs and HDPE bags of 1 MT Net by weight.
- d) Delivery terms: Options of Ex our works, FOR Customer works, FOB, CNF and CIF are available.
- e) 24x7 Customer care: Assurance of customer care availability at all times
- f) Quality Certificate: Guarantee of company quality certificate / Certificate of Third party Inspection agency of International repute.



Silico Manganese



A Ferro Alloy mainly composed with Silicon and manganese; it is used as De-oxidizing and alloying additive in the smelting of steel. Silico Manganese is high value added product, used for manufacturing mild and special steels. From billets to fillers and allied reinforcements, it is manufactured and supplied in various shapes and form factors.

This alloy is essential in making carbon and alloy steels to impart them with specific chemical & physical properties like flexibility, tensile strength, increased ductility, enhanced resistance and reduced corrosion. Manganese is used in the process to increase strength and toughness. Silico Manganese finds usage in De-sulphurisation, de-oxidation and refining of steel.

Chemical Composition

Grade	60/15	65/16
Manganese	60-62%	65-70%
Silicon	15-16%	16-18%
Carbon	2.5% (Max.)	2.0% (Max.)
Phosphorous	0.30% to 0.35%	0.20% to 0.30%
Sulphur	0.03% (Max.)	0.03% (Max.)

Size: Customized according to market needs

Packaging: Branded HDPE / Gunny Bags of 50 Kgs and HDPE bags of 1 MT Net by weight / Bulk in Loose, as per buyer's option.



Ferro Manganese

A Ferro Alloy with higher content of Manganese is known as Ferro Manganese. These alloys are extensively used in the Steel Manufacturing industry due to rendering optimized chemical and physical properties to the manufactured steel. Ferro Manganese is manufactured by heating the mixture of the Ferrous Tri-oxide and Manganese Di-oxide along with carbon, usually in the form of coal or coke. The advantage of combining powdered Iron Oxide and Manganese Oxide together is the lower melting point of the combined alloy compared to pure Manganese Oxide. The final product is Ferro-Manganese which is a strong de-oxidizer for steel. This alloy acts as a strong de-oxidizing agent and further makes a significant contribution to the strength, hardness and toughness of the finished steel. It is because of this reason that steel is very rarely produced without the addition of manganese.

Chemical Composition

Grade	70/72	75/77
Manganese	70-72%	75-77%
Carbon	6-8%	6-8%
Silicon	1.5% (Max.)	1.5% (Max.)
Phosphorous	0.30% (Max.)	0.20% to 0.30%
Sulphur	0.03% (Max.)	0.03% (Max.)

Size: Customized according to market needs

Packaging: Branded HDPE / Gunny Bags of 50 Kgs and HDPE bags of 1 MT Net by weight / Bulk in Loose, as per buyer's option.



Manufacturing Process

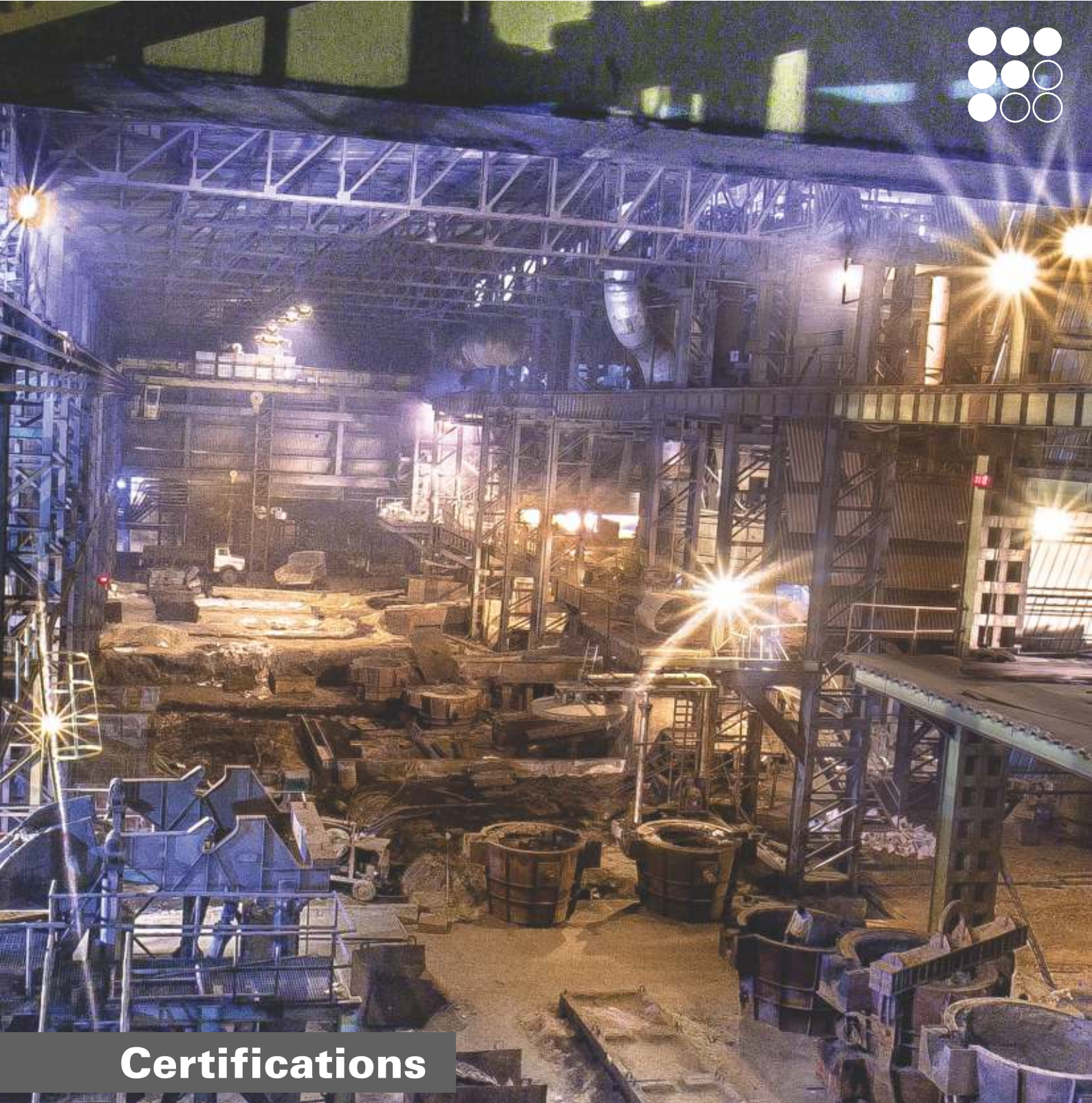
As a fully integrated Ferro alloys plant we have the leverage to ensure the quality starting from raw material to finished product. Our state of art manufacturing facility along with fully automated material handling process delivers the best quality material. Our manufacturing facilities comprises of:

- Sub-merged electric arc furnace with a total production capacity of 60,000 MTPA of Ferro Silico Manganese alternatively 80,000 MTPA for Ferro Manganese
- 100% captive power plant for Ferro alloys production



Flow Chart of Product Movement through PCM





Certifications

With the efficient manufacturing process and optimized management structure, we produce a product portfolio that is best in the business. For our continuous efforts, we have been awarded with these prestigious certifications

1. ISO 9001:2008
2. ISO 14001:2004
3. OHSAS 18001:2007
4. BIS Certification



Vandana Global

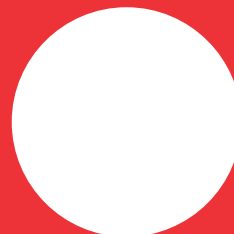
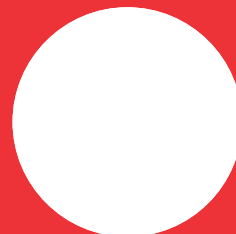
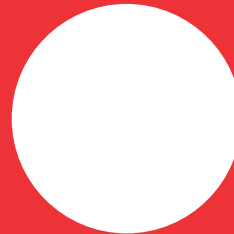
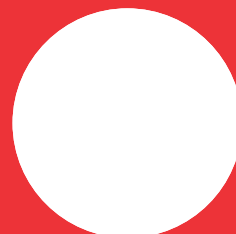
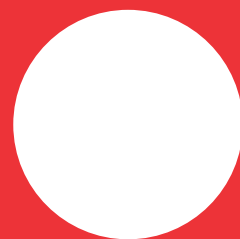
Leading the New

For Export & Domestic enquiries:

- General Manager
E: gmexports@vandanaglobal.com
M: +91 7898905100
- GM - Marketing
E: gmmarketing@vgworld.ae
M: +971564401460
- Manager (Exports)
E: export@vandanaglobal.com
M: +91 9685044701

For Manganese Ore, Coke and other supply:

- Vice President (C) - svp@vandanaglobal.com
- GM Raw Materials - mnore@vandanaglobal.com



Vandana Global Limited

Works

Siltara Industrial Area, Phase-2, Siltara-493111
Raipur, Chhattisgarh, India
T: +91 7721 264244, 407755, 407250
F: +91 7721 264243, 407253
E: works@vandanaglobal.com

www.feroton.com

Registered Office

The Capital, Office No. 903, 'B'Wing, 9th Floor
Plot No. C-70, B.K.C., Bandra (East)
Mumbai-400051, India
T: +91 22 42913000
F: +91 22 42913049
E: enquiry@feroton.com

