Company Profile

The Journey of Venus Group

Brached out from its domestic trading division, in 1990, Venus started production of stainless steel bars & wires primarily focusing export market. Venus’ production facility & sales office are located in Khopoli, about 80 kms from Mumbai, the commercial capital of India.

Venus currently exports to more than 50 countries and have made a successful footprint globally with its impeccable quality and service. Our success is driven by our people and their commitment to get results the right way - by operating responsibly, executing with excellence, applying innovative technologies and capturing new opportunities for profitable growth.

Venus supplies materials for a large number of applications used in aerospace, agricultural, automotive, consumer, energy, food, industrial, medical, marine, oil & gas, paper, ship building etc. In addition to an effective Quality Management System (QMS) compliant to ISO and TS standards, Venus holds a number of customer and product approvals as a testimonial for its high quality products.

We ensure that the returns are effectively invested back for improving production facility and welfare of the people working with us. We strive for continual improvement in the quality of products, competitiveness and service level to customers.

Product Approvals & System Certifications

- ISO 9001:2015
- ISO 14001:2015
- OHSAS 18001:2007
- CE, DB, CWB
- NPC, RDSO
- IATF 16949:2016

Corporate Social Responsibility

Employees are our greatest asset. We make them feel that they are an integral part of company’s mission

- Healthy & Safe Working Environment • Training • Positive Work Atmosphere • Opportunity to Learn & Grow

Environmental protection is one of the key factors in Venus’ company policy. We exhibit it by our participation in various programs to reduce pollution and industrial waste.

- Participation in Green Energy Programs • Effective Waste Management • Energy Management Programs

Venus has always demonstrated its endless commitment towards the society in which it operates. Whether it is in the matter of business transparency or creating sustainable employments, Venus has always put its best efforts.

- Improving Regulatory Compliance • Engagement in Fair & Responsible Trade.

World Class WIRES Manufacturing Facility
### Thick Wire (Coarse Wire)

#### Alloys (AISI/W.Nr.)*

<table>
<thead>
<tr>
<th>AISI</th>
<th>201</th>
<th>202</th>
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</table>

1) Equivalent DIN / AFNOR / B.S / JIS / GOST / UNI grades are supplied.
2) Customized chemistries are available to best suit your applications.

**Size Range**
0.70 mm to 22 mm (0.028" to 0.870")

**Finish**
Soap Drawn (Matte Finish) / Grease Drawn (Bright Finish)
Cleaned or with residual lubricant, Bright Drawn (EPQ) Quality.

### Fine Wire

#### Alloys (AISI/W.Nr.)*

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</table>

**Size Range**
0.10 mm to 0.90 mm (0.004" to 0.035")

**Finish**
Bright

**Temper**
Annealed or Spring hard (stress relieved - optional)

**Packaging**
On Spools DIN 125, DIN 160, DIN 200, DIN 250, DIN 355, BS 60, B10

### Applications

**Thick Wire (Coarse Wire)**
- Balls, Conveyor Belts,
- Fasteners, Fencing, Filters,
- Hangers, Lashing, Nails, Kitchen Appliance,
- Rivets, Roofing Hooks, Screws,
- Staples, Wool, Wire mesh,
- Wire Ropes, Welding etc.

**Fine Wire**
- Braiding, Knitting, Weaving
- Jewellery, Scrub Ber, Shots
- Brushes, Staples, Wire Rope
- Manufacturing, Medical, Fencing,
- Mascara Brush (Cosmetic Industry) etc.
In addition to the stringent process control techniques followed during production, Venus carry out comprehensive Chemical, Mechanical & Metallurgical testing on the final products to ensure compliance to customer's product specification and expectation. Venus also offers third party inspection according to EN 10204 3.2 on demand.

**Wire Feeding Test**
This test has been carried out as per Venus internal standard to ensure consistency in wire feeding during Mig welding process.

**UTS (Ultimate Tensile Strength) & % Elongation**
UTS Testing as per ASTM A 370 / EN 10002-1. Weldpad preparation as per AWS SFA 5.4.

**Metallurgical analysis**
This test is for all kinds of metallurgical analysis like Inclusion rating, Grain Size, Ferrite %, Micro / Macro Analysis.

**Chemical Analysis**
The Chemical analysis of the weld metal is carried out as per test method ASTM E 1086, requirement in AWS 5.9, sample preparation as per AWS SFA 5.4.

**Impact Testing Machine**
Sample preparation according to AWS SFA 5.4 and Testing method ASTM A370. Tested at room temperature and sub-zero temperature upto -196°C.

**Positive Material Identification (PMI)**

**IGC (In-Grain Corrosion) Test**
This test is for detecting susceptibility to Intergranular attack in Austenitic Stainless Steel as per test method ASTM A 262 / DIN 3651-2.

**Electrolytic Etching**
Apparatus for ferric sulfate - sulfuric acid test.

Venus offers its products in various packing options to suit customers requirements and end use. We also provide customized packing solutions.

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Spools Plastic/Metal</th>
<th>Drums</th>
<th>Bare Coils</th>
<th>Carrier</th>
<th>Reels Plastic/Wooden</th>
<th>Cheese Coil (Aero Pack)</th>
<th>Handi Pack</th>
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<td>0.81 to 1.00 mm</td>
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<td>1.01 to 2.00 mm</td>
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**INNOVATIVE & HIGH-VALUE products**
MIG Wire

Size Range
0.60 mm to 1.60 mm (0.025" to 0.062")

Grades

Finish
Bright, Matt & Semi Bright

Packaging
12.5 kg / 25 lb, 15 kg / 30 lb / 33 lb
Layer wound Plastic spools / Basket spool

5 kg / 10 lb Layer wound plastic spools / Basket spool

1 kg / 2 lb Layer wound plastic spools

TIG Wire

Size Range
0.80 mm to 6.00 mm (0.030" to 0.236")

Grades

Finish
Bright

Length
Available in cut length of 1000 mm and 36’

Packaging
Plastic or fibre tubes packed in 5 kg (10 lb)
5 tubes re-packed in a cardboard box
Cardboard boxes further packed in 500 kg
Wooden / Cardboard box / On Euro pallet

Embossing Details
TIG Wire in cut length with grade & size embossed on both sides
We can also do private labelling.

We also offer "Customized Packaging & Labelling Solutions" as per requirements.

Submerged Arc Wire

Size Range
1.60 mm to 4.00 mm (0.062" to 0.156")

Grades

Finish
Basket Spools K 415

Packaging
Plastic Spools - H400

Core Wire

Size Range
1.60 mm to 5.00 mm (0.062" to 0.1975")

Grades

Finish
Basket Spools K 415

Packaging
Plastic Spools - H400

Cut lengths
In wooden boxes of
500 - 1000 kg / 1000 - 2000 lb

We also offer "Customized Packaging & Labelling Solutions" as per requirements.
**Wire Rod**

**Alloys (AISI/W. Nr.)*

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1) Equivalent DIN / AFNOR / BS / JIS / GOST / UNI grades are supplied.
2) Customized chemistries are available to best suit your applications.

**Packaging**

Wire rods are packed and handle with special care to provide easy loading and unloading and also to make sure there is no damage or stoppage on drawing machines.

- PET Strapping or Metal Straps
- HDPE Wrapped Wire Rod

**Size Range**: 5.5 mm to 26 mm (0.217" to 1.000")

**Tolerance**: ±/−0.20 mm

**Ovality**: 0.20 mm Maximum

**Surface Defect**: 1% of Diameter Maximum

**Supply Condition**: Hot Rolled, Annealed & Pickled (with or without coating)

- High machinable grades for bright bar producers
- Calcium Treated 304, 316

\[ S = 0.020 - 0.030 \text{ (aiming 0.025% min.)} \]

- 303, 416 & 430F

\[ S = 0.25% - 0.35% \text{ (Aiming 0.32% min.)} \]

**Wire Rod**

**Salient Features**

- We offer excellent quality material with the backing of an efficient & modern process line
- Ultra High Power furnace
- Vacuum Oxygen decarburization
- Electro Magnetic Stirrers
- Scrap preheating arrangements operating on a waste recovery system with facilities for eccentric bottom tapping oxyfuel burners
- Ladle refining furnace
- Continuous billet casting
- Easy draw cooling system for wide rods
- Computerized process control
### Chemical Composition

<table>
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<tr>
<th>Grade</th>
<th>Standard Types (Stainless &amp; Heat-resistant Steels)</th>
<th>C</th>
<th>Si</th>
<th>Mn</th>
<th>P</th>
<th>S</th>
<th>Ni</th>
<th>Cr</th>
<th>Mo</th>
<th>Cu</th>
<th>Fe</th>
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### Stainless Steel for Welding Application

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### Grades

### Welding Alloys

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### Duplex

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</table>
Exports Worldwide

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Mehta Mahal, Opera House,
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