Stainless Steel
WELDING WIRES
Company Profile

The Journey of Venus Group

Branched 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.

World Class WELDING WIRE Manufacturing Facility

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.

Product Approvals & System Certifications

ISO 9001:2015
ISO 14001:2015
OHSAS 18001:2007
CE, DB, CWB
NPC, RDSO
IATF 16949:2016
For GMAW (MIG) Process

Diameter

<table>
<thead>
<tr>
<th>Diameter</th>
<th>mm</th>
<th>0.60</th>
<th>0.80</th>
<th>0.90</th>
<th>1.00</th>
<th>1.20</th>
<th>1.60</th>
</tr>
</thead>
<tbody>
<tr>
<td>inch</td>
<td></td>
<td>0.025</td>
<td>0.030</td>
<td>0.035</td>
<td>0.040</td>
<td>0.045</td>
<td>0.062</td>
</tr>
</tbody>
</table>

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

SIZE STANDARD SPOOLS

<table>
<thead>
<tr>
<th>MM</th>
<th>INCH</th>
<th>Metallic Basket K 300</th>
<th>SD 300/BS300</th>
<th>SD 200/BS200</th>
<th>SD 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.60</td>
<td>0.025</td>
<td>10 kg / 20 lb.</td>
<td>10 kg / 20 lb.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.80</td>
<td>0.030</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.90</td>
<td>0.035</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.00</td>
<td>0.040</td>
<td>12.5 kg / 25 lb.</td>
<td>12.5 kg / 25 lb.</td>
<td>5 kg</td>
<td>1 kg</td>
</tr>
<tr>
<td>1.20</td>
<td>0.045</td>
<td>15 kg / 30 lb./33 lb.</td>
<td>15 kg / 30 lb./33 lb.</td>
<td>(10 lb)</td>
<td>(2 lb)</td>
</tr>
<tr>
<td>1.60</td>
<td>0.062</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

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

Pail Packing System for Automatic Welding

MIG Wires in Fiber Drums of 100-125 Kgs (200-250 lbs) / 200-225 Kgs (450 - 500 lbs) available for high productivity GMAW process and robotic applications.

Increase in productivity
With less down time compared to standard spools

Less wear on welding machine parts
No twist pay - off system

Clean conditions
No contamination from the shop environment

Low space requirement
The drum diameter is only 510 mm

Short set up time
Adapt quick and easily to any conventional feeder

Grades

*also offered in equivalent DIN Standard

We also offer "Customized Packaging & Labelling Solutions" as per requirements.
**For SAW Process**

**Diameter**

<table>
<thead>
<tr>
<th>mm</th>
<th>1.60</th>
<th>2.00</th>
<th>2.40</th>
<th>3.20</th>
<th>4.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>inch</td>
<td>0.062</td>
<td>0.080</td>
<td>0.093</td>
<td>0.125</td>
<td>0.156</td>
</tr>
</tbody>
</table>

**Grades**


**Packaging**

- Layer Wound Coils of (Paper core) 25 kg/50 lb/60 lb
- Basket Spools K 415
- Plastic Spools - H 400

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

**For GTAW (TIG) Process**

**Diameter**

<table>
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<tr>
<th>mm</th>
<th>0.80</th>
<th>0.90</th>
<th>1.00</th>
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<th>1.60</th>
<th>2.00</th>
<th>2.40</th>
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<td>0.035</td>
<td>0.040</td>
<td>0.045</td>
<td>0.062</td>
<td>0.080</td>
<td>0.093</td>
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**Identification**

Grade & size embossed on both ends of the rods for diameter 1.60 mm (0.062") & above.

Customized markings like heat number, brand name, batch number etc. possible on request

**Length Available**

36 inches & 1000 mm

**Packaging**

- Packed in cardboard tube 1 kg. to 10 kg., 2 lb to 22 lb
- Fiber tubes further packed in cardboard boxes, 25 kg / 50 lb
- Wire on tubular carrier

*also offered in equivalent DIN Standard

We also offer “Customized Packaging & Labelling Solutions” as per requirements.
In CUT LENGTHS & COILS
For Manufacturing of MANUAL METAL ARC WELDING (MMAW) Electrodes

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<th>2.40</th>
<th>3.20</th>
<th>4.00</th>
<th>5.00</th>
<th>6.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inch</td>
<td>0.062 (1/16)</td>
<td>0.080 (5/64)</td>
<td>0.093 (3/32)</td>
<td>0.125 (1/8)</td>
<td>0.157 (5/32)</td>
<td>0.1875 (3/16)</td>
<td>0.25 (1/4)</td>
<td></td>
</tr>
</tbody>
</table>

Grades

Packaging
- CUT LENGTHS
  - In wooden boxes of
  - 500 - 1000 kg
  - 1000 - 2000 lb
- COILS
  - 300 - 1000 kg
  - 650 - 2200 lb wound on tabular carrier
- COILS
  - 100 - 200 kg / 200 - 500 lb
  - HDPE wrapped

We also offer “Customized Packaging & Labeling Solutions” as per requirements.

Industry Segments
Thousands of Applications
Our Wires are an important ingredient for hundreds of applications. From Automobile to Aerospace, they form an integral part in increasing the product’s quality and longevity.
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.

**Chemical Analysis**
The Chemical analysis of the weld metal is carried out as per test method ASTM E 1086, requirement in AWS S.9, sample preparation as per AWS SFA 5.4.

**UTS (Ultimate Tensile Strength) & % Elongation**
UTS Testing as per ASTM A 370 / EN 10002-1. Weldpad 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)**
Equipment using X-Ray fluorescence method for material identification in process & during final packing.

**IGC (Inter Granular 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.

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

**Apparatus for ferric sulfate – sulfuric acid test**

**Electrolytic Etching**
We are COMMITTED to THINKING AHEAD & STAYING AHEAD in ways that matter most to OUR CLIENTS.
Exports Worldwide

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