





Green Supply Chain Management:

Emphasis on continuous product flows, standardization & greater integration with customers.

HEAT TREATMENT OF STEEL WIRES

- 1. SPHEROIDIZE ANNEALING
- 2. SOFT
 - ANNEALING

ANNEALED AND PHOSPHATE DRAWN COILS

- 3. STRESS RELEIVING
- 4. NORMALIZING
- 5. INDUCTION, QUENCHING &
 - TEMPERING. (IQT)

EQUIPMENT:

4 BELL – 5 BASE - BELL TYPE ANNEALING FURANCE. (PLC CONTROLLED – ELECTRICIALLY HEATED WITH ATMOSHPERE CONTROLS).









Our Bell Type Electric Furnace with Uniformity & Temperature & atmosphere for consistent properties as required in CHQ grade wires, ensuring complete SPHERODIZATION & PROTECTIVE against DECARBURIZATION.

Further processing of Heat Treated Wires :

Pre & Post Surface Treatment of Wire Rod Coils (Pickling & Phosphate)





Wire Rod Coil / Wire Drawing

- a) 8 Stage Bull Block Capacity 3 mm to 8 mm dia.
- b) Inverted Vertical Wire Drawing (IVD)
 - i. IVD 1 Capacity 6 mm to 16 mm dia.
 - ii. IVD 2 Capacity 16 mm to 29 mm dia.
- c) Wire Peeling COIL TO COIL 6 mm to 16 mm dia
- d) Combined Drawing Machines
 - i. Coil to Straight Length Capacity 6 to 16 mm dia.
 - ii. Coil to Straight Length Capacity 16 to 28 mm dia.





Further processing of H.Q.T Bars:

- a) PEELED & REELED BARS CAPACITY 22 TO 62 MM dia.
- b) DRAWN BARS Various Draw Benches to cater to sizes –
 6 mm to 72 mm dia. –
 Shapes: Rounds, Square, Hexagons, Special Profile.
- c) Ground Bars Centerless Grinding machines to achieve H9 to H11
- Tolerance for rounds.d) Fully Automatic Bad Saw Machines for providing Cut to Length Bars.





Value Chain

Focus on product testing, innovation, research, development & marketing.

QUALITY ASSURANCE

NABL CERTIFIED LAB with Chemical (SPECTRO MACHINE) Mechanical (Metallography) – IS 8811/IS 1608/IS 1500/IS 6396 + MPI Test – Hardness Testing (Both Brinell + Rockwell Hardness), Upset Testing & Coating Weight to ensure compliance with strict customer quality standards.

Testing Equipment and Facilities:

Spectrometer. – METALPOWER – MODEL – SPARTAN – S – 15 elements precise analysis.

Metallurgical Microscopes - METSCOPE – 1000 X Magnification with imaging and analysis software & all accessories for steel mold preparation. I.E. – Abrasive Cutting M/c, Mounting Press, Surface Grinding & Polishing.

Universal Testing Machine – AKASH - 40-ton capacity. Brinell Hardness Tester – AKASH 3000 kgs capacity. Rockwell Hardness Testing FIE – 6 to 150 kgf load. Compression Testing Machine – ASEW – Capacity – 2000 kn. Flaw Detective Machine – Ultra Sonic Testing. (UT) Digital Steel Sorter

Magnaflux Crack Detector with Ultra-Violet light attachment for Magnetic Particle Inspection Test (MPI Testing) To check the percentage of acid and the iron content of the pickling & Phosphate bath.

Inhouse software for GRN generation & batch identification and process control

Inhouse - 60 MT Weigh Bridge.

Well qualified Metallurgist and lab assistant. Engineers, Experienced Foreman and setters to achieve defective free production.







Vendor Managed Inventory for Supplies

Dear Most Valued Customer,

Greetings!

I would like to personally hear from you, please do get in touch <u>gaurav@psood.co.in</u> with your gueries or suggestion.

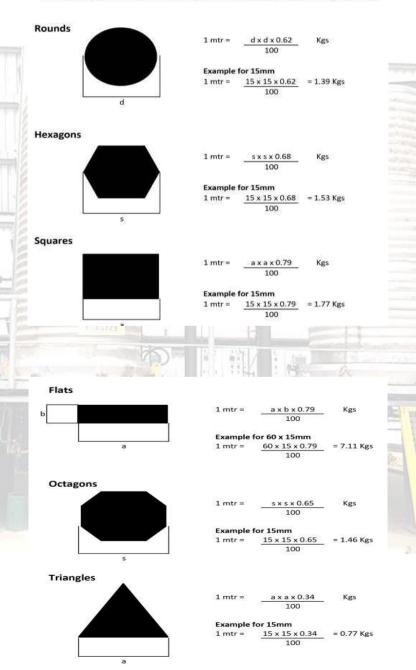
Gaurav Sood Partner



<u>JUST IN TIME –</u>

INVDNTORY FOR PRODUCTION INCREASES EFFICIENCY BY DELIVERING STOCK AS THEY ARE NEEDED

GUIDE TO CALCULATING WEIGHTS FOR VARIOUS SIZES





Notes:

