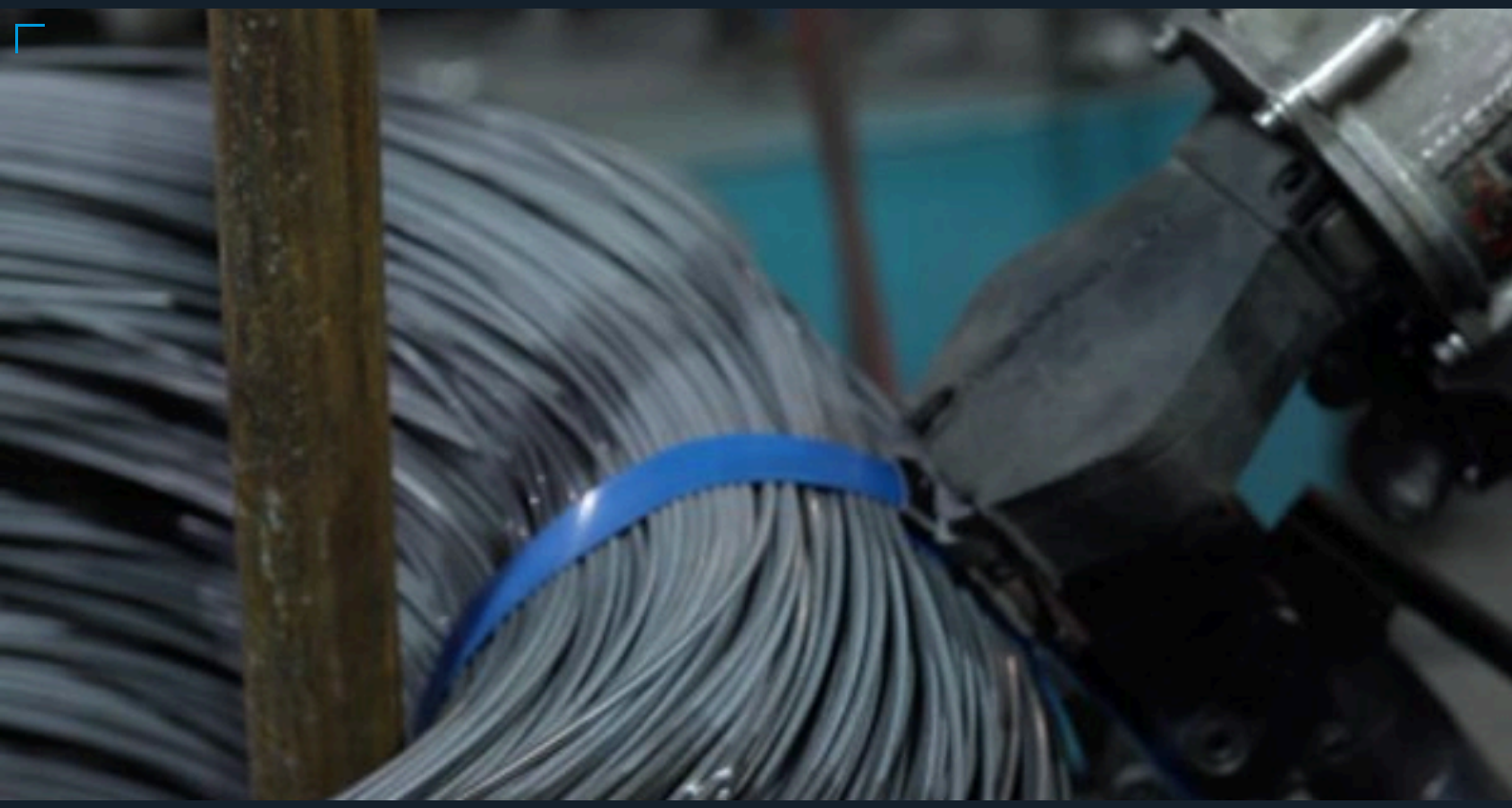
INDISTEEL

Steel Wire for Fasteners, Automotive and Industry

Company profile — CHQ, spheroidized annealed, phosphated & drawn, hard bright and nail wire · 2.80 – 30 mm · ISO 9001:2015



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ABOUT INDISTEEL

Manufacturing Built on Process Capability, Quality and Reliability

Indisteel Private Limited was established in 2022 on a 4,500 sq m site at Plot 71, Sector 68, IMT Faridabad — in the middle of northern India's fastener and automotive component belt. The plant was planned as a complete wire processing route rather than a drawing shop: pickling, phosphating, bell-furnace annealing, inverted vertical drawing and an inspection laboratory were installed together, so every coil can be processed, tested and certified under one roof.

We manufacture drawn bright wire coils in MS, boron and alloy steel grades from 2.80 mm to 30 mm for fastener, cold forging, automotive component, spring, engineering and nail manufacturers. Raw material is CHQ and drawing-quality wire rod from JSW, Tata Steel, JSPL, Bhushan Steel and RINL (Vizag Steel), verified on our own spectrometer at receipt.

Our quality management system is certified to ISO 9001:2015. All annealing furnaces are SCADA-implemented — cycles programmed, monitored and logged for every charge.

2,500 MT	700 MT	4,500	2.80–30
PER MONTH DRAWING CAPACITY	PER MONTH ANNEALING CAPACITY	SQ M PLANT AREA, IMT FARIDABAD	MM FINISHED SIZE RANGE

FROM THE DIRECTOR

> "Trust is earned lot by lot — so every coil we ship carries a number you can trace back to the rod heat."

What we promise is simple: excellent quality material from integrated mills, an advanced and complete manufacturing facility, consistent quality through process control rather than sorting, fine and secure packing, reliable and timely delivery, and a customer-focused team that answers the phone. Send us your specification, and let us show you what consistent wire does for your line.

Sumeet Garg

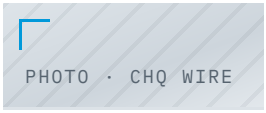
MANAGING DIRECTOR, INDISTEEL PRIVATE LIMITED

MANAGEMENT TEAM

Sumeet Garg	Pranav Garg	Satish Garg
Managing Director	Director	Director

PRODUCTS

Wire for Every Stage of Cold Forming



CHQ Wire

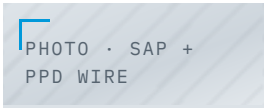
Cold heading quality wire in MS, boron and alloy steel grades, supplied annealed or drawn to the surface and size your headers need.

Spheroidized Annealed Wire

Wire annealed in nitrogen-atmosphere bell furnaces to a spheroidized structure — soft, uniform and ready for heavy cold forming.

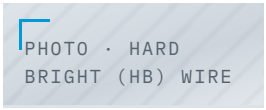
Phosphated & Drawn Wire

Pickled, zinc-phosphated and drawn to size on IVD lines — a lubricated, dimensionally tight wire that runs cleanly on headers.



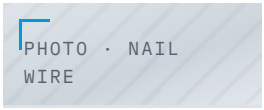
SAP + PPD Wire

The full fastener-grade route — spheroidize annealed, phosphated and drawn — for wire that goes straight from coil to header.



Hard Bright (HB) Wire

Pickled, phosphated and hard drawn wire — supplied in the as-drawn condition, without annealing, for nails, wire forms and general engineering.



Nail Wire

Low-carbon bright wire drawn to close tolerance for wire-nail machines — consistent size, clean surface and uniform tensile from coil to coil.

GRADES

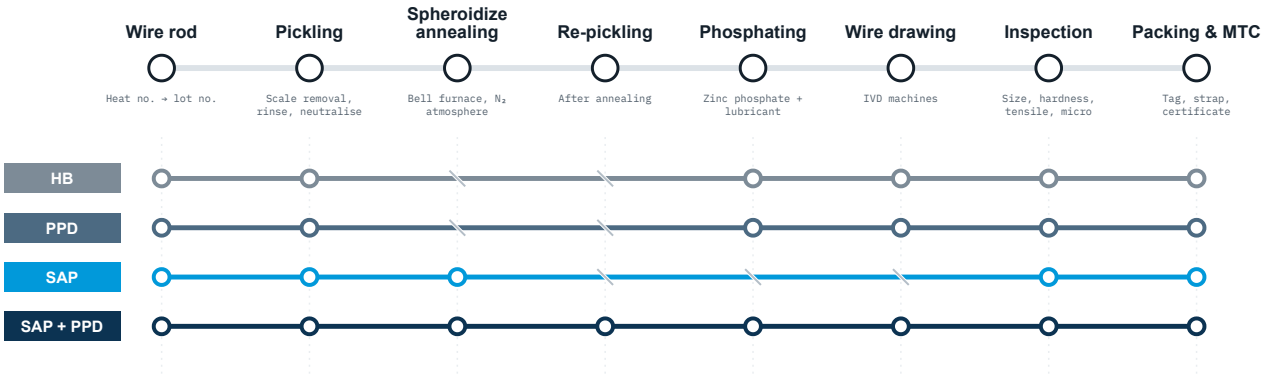
GRADE	STEEL FAMILY	TYPICAL APPLICATIONS
MS grades — SAE 1008 / 1010 / 1018	Mild steel, low carbon	Nails, wire forms, rivets, low-tensile screws and cold-headed parts
10B21	Boron steel	Property class 8.8 bolts, self-tapping and high-tensile screws
15B25	Boron steel	Property class 8.8 / 10.9 bolts, socket-head screws, cold-forged parts
10B35	Boron steel	Class 10.9 fasteners, heavier cold-forged sections
15B41	Boron steel	Class 10.9 bolts, U-bolts, axle and suspension fasteners
SCM 400 / SCM 415	Chromium-molybdenum alloy	Case-hardened fasteners, pins, shafts and automotive components
41Cr4	Chromium alloy	Class 10.9 / 12.9 bolts, studs and high-tensile parts
4140 / 4135	Chromium-molybdenum alloy	Class 10.9 / 12.9 bolts, studs, shafts and forged parts
EN8 / EN8D	Medium carbon	Shafts, studs, machined and cold-forged engineering parts
High carbon steel grades	High carbon	Springs, wire forms and hardened components
Other alloy steel grades	Alloy steel	As per customer specification

Finished size 2.80 – 30 mm · coil weight per customer · IS 11169 / IS 1673 · MTC with every lot · drawn wire coils only.

MANUFACTURING PROCESS

Four Routes, One Traceable Line

Read each coloured line left to right. A ring marks a station the route passes through; a cross marks one it skips. Every route starts with a lot number at rod receipt and ends with a test certificate at packing.



HB

Hard Bright Wire

Pickled, phosphated and hard drawn to size without annealing — for nails, wire forms, rivets and general engineering.

PPD

Phosphated & Drawn Wire

Pickled, phosphated and drawn — the standard route for MS and low-alloy fastener wire.

SAP

Spheroidized Annealed Wire

Rod pickled and spheroidize annealed, supplied as soft annealed coil.

SAP + PPD

Annealed, Phosphated & Drawn

Annealed, then pickled, phosphated and drawn to finished size — the full fastener-grade route.

STEP 01

Wire Rod Receipt

CHQ and drawing-quality rod from JSW, Tata Steel, JSPL, Bhushan Steel and RINL (Vizag Steel). Heat number, grade and size recorded against a unique lot number; incoming inspection covers chemistry, hardness, tensile and microstructure.

STEP 02

Pickling

Acid pickling removes mill scale and prepares the surface for coating. Rinsed and neutralised before the next step.

STEP 03

Phosphating

Zinc phosphate coating with a lubricant carrier. Coating weight is tested in the laboratory.

STEP 04

Annealing

Spheroidize or process annealing in SCADA-controlled bell-type furnaces under nitrogen atmosphere with vacuum purge. Cycle logged per charge; charge numbers recorded on every coil.

STEP 05

Wire Drawing

Drawing to finished size on ASSOMAC inverted vertical drawing (IVD) machines. Size checked at start-up and during the run.

STEP 06

Inspection and MTC

Final inspection of size, hardness, tensile, surface and microstructure. A material test certificate is issued for every lot.

STEP 07

Packing and Dispatch

Coils strapped with steel wire and packed to the customer's requirement, tagged with lot, coil and grade, and dispatched with the MTC and delivery challan.

Equipment Chosen for Consistency

ASSOMAC Inverted Vertical Drawing Lines

ASSOMAC IVD machines draw coil-to-coil onto carriers across finished sizes from 2.80 mm to 30 mm — 2,500 MT per month of drawing capacity, with diameter and ovality held steady along the full coil.

PRECONS Bell-Type Annealing Furnaces

Bell furnaces with nitrogen atmosphere and vacuum purge, all **SCADA-controlled** — 700 MT per month of controlled-atmosphere annealing. The sealed inner cover and 360° radiant heating give uniform temperature through the whole coil stack.

SECTION	EQUIPMENT
Wire drawing	ASSOMAC inverted vertical drawing (IVD) machines — finished sizes 2.80 to 30.00 mm
Annealing	PRECONS bell-type annealing furnaces — SCADA-controlled, nitrogen atmosphere with vacuum purge
Surface	Pickling line with rinsing and neutralising tanks
Surface	Zinc phosphating line
Finishing	Coil cutting and packing facility
Handling	EOT cranes and material handling equipment

4,500
SQ M PLANT AREA

38–40
TEAM MEMBERS

2,500 / 700
MT PER MONTH DRAWING / ANNEALING

2.80–30
MM SIZE RANGE

ANNEALING CAPABILITY

Bell-Type Annealing Furnaces

Bell-Type Annealing Furnaces

PRECONS bell furnaces with nitrogen atmosphere and vacuum purge. SCADA-implemented: every cycle is programmed, monitored and logged from the control room.

Controlled-Atmosphere Cycles

Heating, soaking and cooling profiles set by grade for alloy, boron and MS steels — precise, repeatable cycles with a record for every charge.

WHAT OUR ANNEALING DELIVERS

≥ 80% Spheroidization

Controlled sub-critical cycles in sealed bell furnaces produce a spheroidized structure of 80% and above, verified under the microscope on every charge.

Uniform Grain Size

360° radiant heating and long soak periods equalise temperature through the whole coil stack, so grain size and hardness are uniform from the outer wrap to the core.

Zero or Negligible Decarburization

Nitrogen atmosphere after a vacuum purge keeps oxygen out of the retort — decarburization on the annealed coil is held at or near the level of the input wire rod.

Bright Surface Finish

Coils come out of the furnace clean and bright, without scale or oxide film, ready for pickling and phosphating or for direct dispatch as annealed coil.

Shorter Cycle Time

Bell furnaces working in rotation keep charges moving, so annealed material is available without waiting for a single furnace to free up.

SCADA-Controlled Cycles

All furnaces run on SCADA: heating, soaking and cooling profiles are programmed by grade, monitored live and logged for every charge — so the same cycle is repeated exactly, lot after lot, with a record for audit.

Shorter Lead Time, Consistent Quality

Annealing capacity of 700 MT per month against 2,500 MT of drawing capacity, coil-wise inspection and grade-wise hardness windows mean customers get the same annealed wire, on time, every lot.

LABORATORY

EQUIPMENT	WHAT IT CHECKS
Optical emission spectrometer	Full chemistry of incoming rod — C, Mn, Si, S, P, B, Cr, Mo and residuals — checked against the mill certificate
Rockwell hardness tester (HRB / HRC)	Hardness of rod, annealed coils and finished wire; coil-wise recording after annealing
Universal testing machine (UTM)	Tensile strength, yield and elongation; reduction of area
Metallurgical microscope	Spheroidization percentage, decarburization depth and grain size
Phosphate coating weight test	Coating weight by strip-and-weigh method on phosphated wire
Dump test and wrap test	Cold-formability check for cold heading; ductility of drawn wire
Micrometers, gauges and measuring instruments	Size, ovality and surface checks at every drawing machine and at final inspection

QUALITY & TESTING

Tested In-House. Certified per Lot.

Indisteel's quality management system is certified to **ISO 9001:2015**. Chemistry, hardness, tensile, microstructure and coating weight are tested in our own laboratory, and every lot ships with a material test certificate traceable to the rod heat number. Lot, coil and furnace charge numbers are printed on every tag with a QR code, and month-wise inspection registers are available for customer audits.

WHAT WE CONTROL

Incoming Rod Verification

Every heat of rod is checked on our spectrometer against the mill certificate before it enters production — chemistry, hardness and microstructure are recorded against a new lot number.

Spheroidization and Decarburization Control

Annealed coils are examined under the microscope for spheroidization percentage and decarburization depth. Results are recorded coil-wise; a coil that misses the grade window is held, not shipped.

Hardness Window per Grade

Grade-wise annealed and as-drawn hardness ranges are defined in our masters and agreed with the customer. Every coil is tested on a Rockwell tester and judged against that window automatically.

Dimensional Control

Diameter and ovality checked with calibrated micrometers at start-up and during the run on every drawing machine, and again at final inspection.

Surface and Coating

Phosphate coating weight measured in the laboratory; wire surface inspected for scratches, scale and lubricant carry-over before packing.

Cold Formability

Dump (upset) tests and wrap tests confirm that the wire will head and form without cracking before it leaves the plant.

Calibrated Instruments

Hardness tester, UTM, micrometers and gauges are calibrated to a schedule under the ISO 9001 system, with records available for customer audit.

Traceability and Records

Lot, coil and furnace charge numbers on every tag; month-wise inspection registers; the full history of any coil retrievable from its tag number.

INDUSTRIES & CUSTOMERS

Who We Draw For

Fasteners
Bolts, screws, nuts, studs and rivets in property classes 4.8 to 12.9. Our largest segment — boron and alloy grade SAP + PPD wire for headers running at speed.

Automotive Components
Cold-forged and cold-headed parts for two-wheeler, passenger car and commercial vehicle OEM supply chains — with lot-wise traceability and MTC that Tier-1 quality systems expect.

Cold Forging
Spheroidized annealed wire in medium carbon and alloy grades for multi-station cold forging of shafts, pins, ball studs and gear blanks.

Springs
Medium and high carbon wire in the annealed or hard-drawn condition for spring and wire-form manufacturers.

Engineering Components
Bright drawn wire for machined parts, hardware, wire forms and general engineering.

Nails and Hardware
Bright low-carbon nail wire drawn for nail machines, plus wire for staples, hooks and fencing hardware.

TRUSTED BY

RFL · CAPARO · STL · Pooja Forge · VICTORA INDUSTRIES PVT. LTD. An IATF 16949, ISO 9001, ISO 45001 Certified Company · MPS

PACKING & DISPATCH

Coil weight	Set to your machine payoff — typically 500 kg to 1,000 kg, other weights on request
Strapping	Bundles strapped with steel wire at multiple points; coils compacted for safe handling
Protection	HDPE / woven wrap on request
Tagging	Printed tag with lot, coil, heat, grade, size, condition, weight and QR code
Documents	Material test certificate, delivery challan and e-way bill with every dispatch
Transport	Dispatch by road across Haryana, Delhi NCR, Punjab, Uttarakhand, Rajasthan and Uttar Pradesh

INDISTEEL

Send Us Your Specification. We Will Confirm Grade, Size and Delivery.

Share a drawing, a test certificate or just the part you make — our team replies with a grade recommendation and a quotation. Plant visits and customer audits are welcome by appointment.

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CORPORATE OFFICE & FACTORY

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WORKING HOURS

Monday – Saturday, 9:00 AM – 5:30 PM IST