

Setting

# Global Quality benchmarks

in steel mill rolls



Delivering Excellence since 1992

**ATS TECHNO PVT. LTD.**

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# ABOUT ATS

Established in 1992, ATS Techno is a preferred manufacturer of hollow and solid steel mill rolls for a wide spectrum of applications. ATS also has the distinction of pioneering thermal spray coated rolls for the steel industry with expertise in surface engineering offering solutions for erosion, corrosion, abrasion, heat resistance and sticking resistance. Our coating solutions include metallic, carbide, ceramic among others.

ATS is a well-known company in India that has complete integrated facilities under one roof, an advantage gained through collaboration with TOCALO CO. - Japan. The company is ISO 9001: 2015 certified and has facilities for roll manufacturing and surface coating including roll fabrication, robotic welding, CNC machining, CNC roll grinding, robotic HP/HVOF coating, medium frequency induction hardening, heat treatment and hard chrome plating under one roof.

## Finding application in a range of sectors

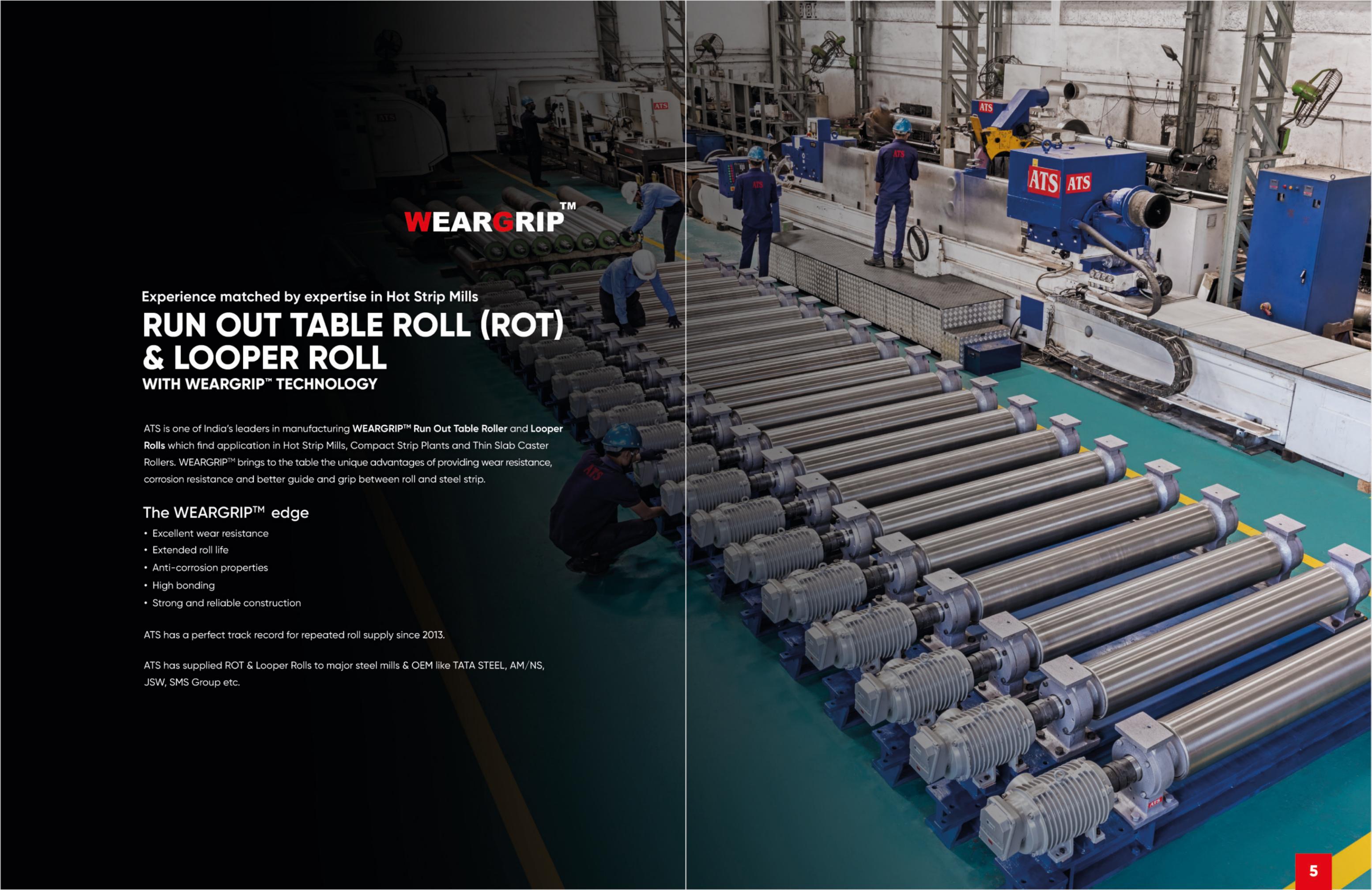


# RANGE OF SPECIAL APPLICATION ROLLS

- Bridle Roll
- Deflector Roll
- Run Out Table Roll
- Looper Roll
- Tension Meter Roll
- Top Deflector Roll
- ACBR Roll
- Pickup Roll
- Steering Roll
- Hold Down Roll
- Pinch Roll
- Flattener Roll

**ATS has expertise in manufacturing of Rolls for**

- **Hot Strip Mill (HSM)**  
 Compact Strip Plant (CSP)  
 Thin Slab Caster Rolling (TSCR)
- **Cold Rolling Mill**  
 Continuous Galvanizing Line (CGL)  
 Continuous Annealing and Pickling Line (CAL/CAPL)  
 Pickling and Tandem Cold Mill (PLTCM)  
 Recoiling Line (RCL)  
 Electrolytic Cleaning Line (ECL)  
 Colour Coated Line (CCL)  
 Electro Galvanize Line (EGL)  
 Electro Tinplating line (ETL)
- **Pellet Plant**



**WEARGRIP™**

Experience matched by expertise in Hot Strip Mills

## **RUN OUT TABLE ROLL (ROT) & LOOPER ROLL**

**WITH WEARGRIP™ TECHNOLOGY**

ATS is one of India's leaders in manufacturing WEARGRIP™ Run Out Table Roller and Looper Rolls which find application in Hot Strip Mills, Compact Strip Plants and Thin Slab Caster Rollers. WEARGRIP™ brings to the table the unique advantages of providing wear resistance, corrosion resistance and better guide and grip between roll and steel strip.

### **The WEARGRIP™ edge**

- Excellent wear resistance
- Extended roll life
- Anti-corrosion properties
- High bonding
- Strong and reliable construction

ATS has a perfect track record for repeated roll supply since 2013.

ATS has supplied ROT & Looper Rolls to major steel mills & OEM like TATA STEEL, AM/NS, JSW, SMS Group etc.

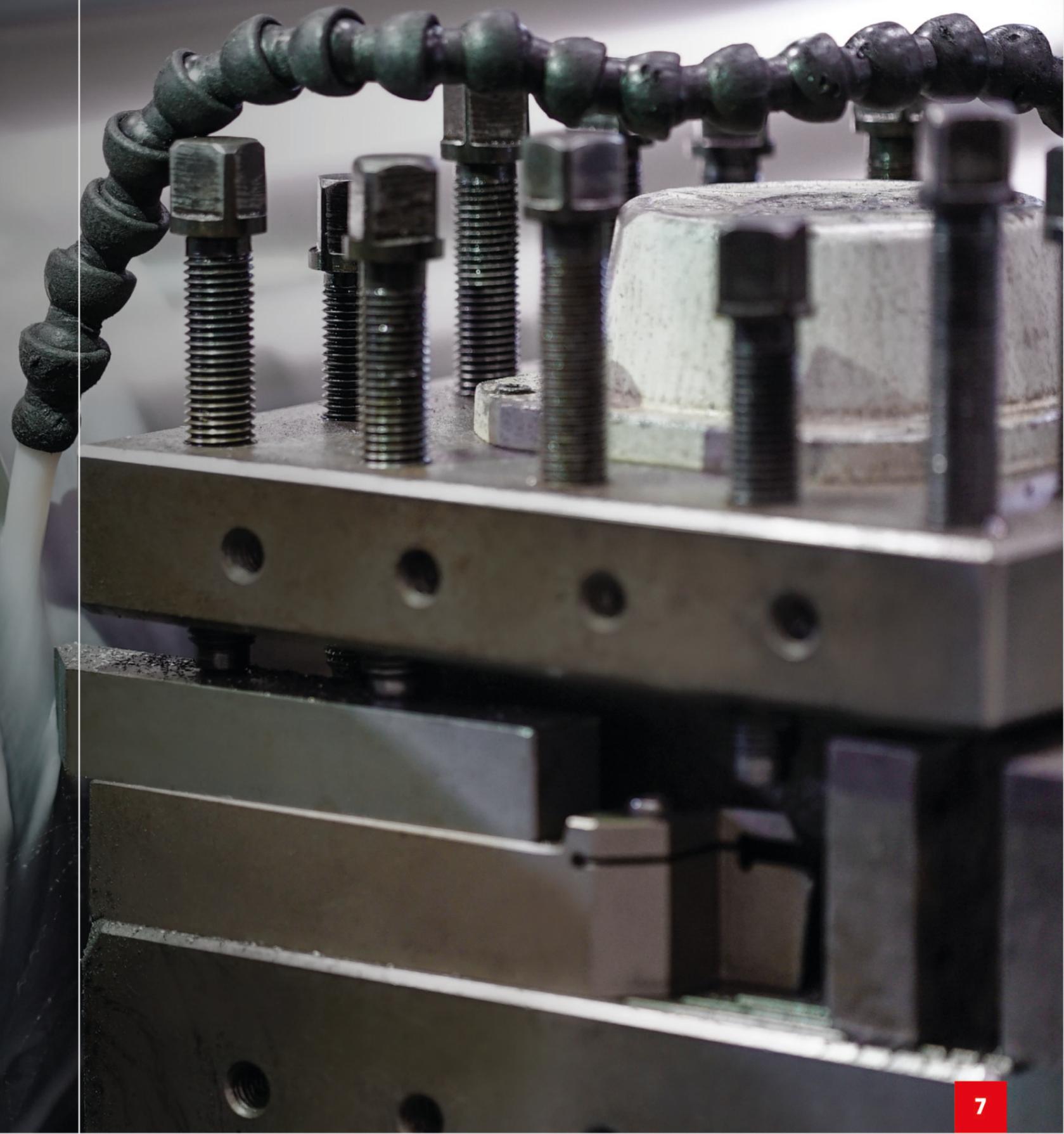


## Setting the standards for HSM line technology **COATED RUN OUT TABLE (ROT) & LOOPER ROLL**

In-house R&D and inputs from global partners played a major role in developing ATS' ROT and Looper Roll manufacturing facility. Our exclusive WEARGRIP™ Roll has a uniquely developed outer layer, the toughness of which endures long usage under heavy loads, high temperatures and continuous friction with very little wear.

### **Advantages of WEARGRIP™**

- Excellent wear and corrosion resistance due to high bonding & dense coating
- Optimum durability against abrasion wear due to hard coating surface
- Highly resistant to thermal stresses even at elevated temperatures
- Optimum friction co-efficient increases the production speed without slippage
- Enables rolling of thinner sheets
- Perfect pass line during entire service life
- Enables increased production with fewer roll replacements and less maintenance





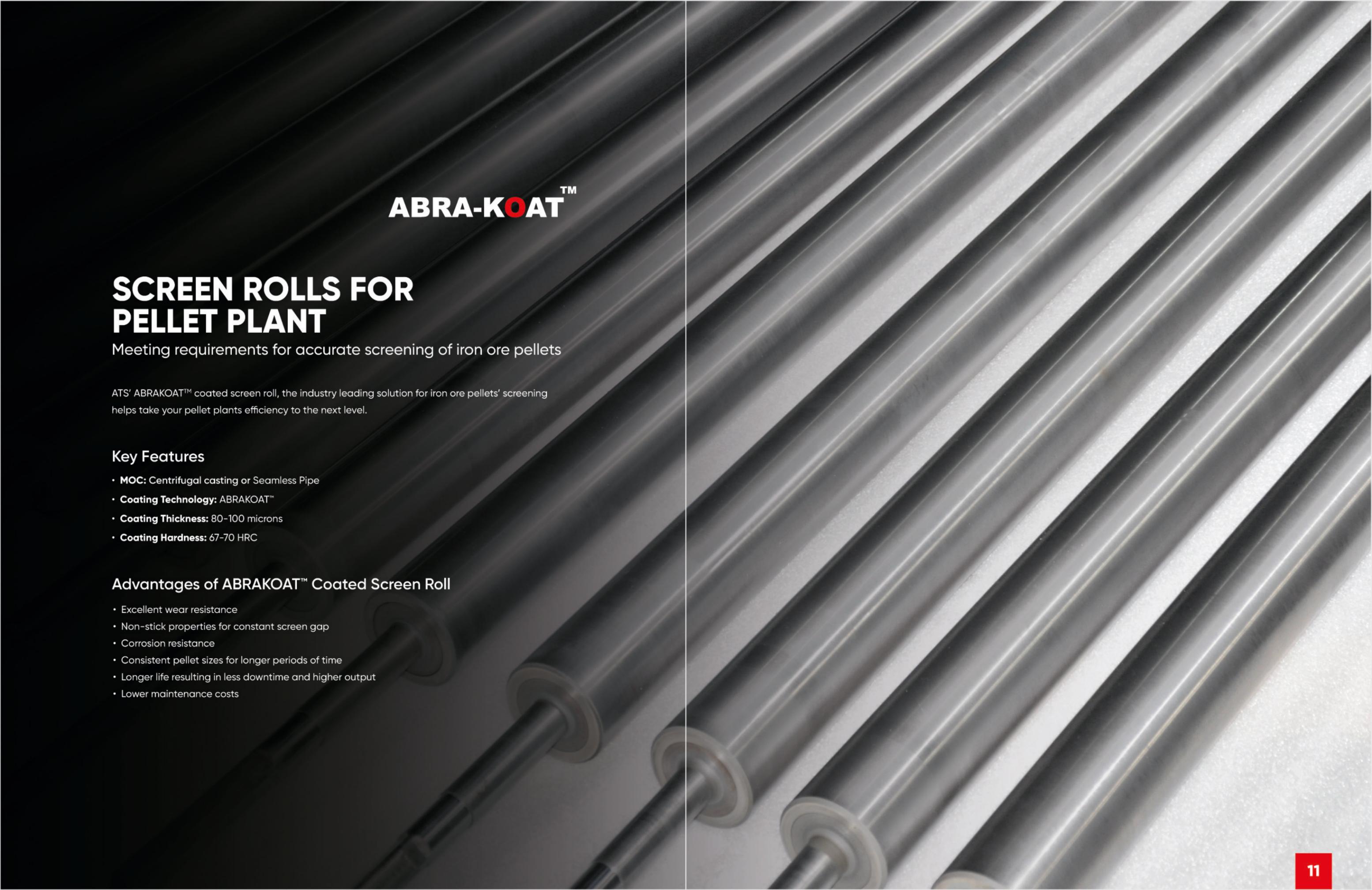
## EXPERTISE IN PROCESS ROLLS MANUFACTURING

When it comes to manufacturing rolls and components with **Tungsten Carbide Coating and Chrome Plating** for the steel industry, ATS has few peers. Expertise in manufacturing hollow rolls from steel plates, seamless pipes and casted pipes for various steel production lines makes us the first choice for these applications.

Better control over the manufacturing process is a result of ATS' in-house facilities for fabrication, machining, grinding, coating and balancing. This makes it possible for ATS to meet massive production demands while maintaining high quality standards.

### The ATS rolls advantage

- Finishing of rolls as per requirement
- Achievement of hardness, roundness, concentricity, ovality and surface finish within tolerance
- Creation of rolls that are resistant to impact & wear, and suitable for a wide range of applications
- Various types of coating material for different applications



**ABRA-KOAT™**

## SCREEN ROLLS FOR PELLET PLANT

Meeting requirements for accurate screening of iron ore pellets

ATS' ABRAKOAT™ coated screen roll, the industry leading solution for iron ore pellets' screening helps take your pellet plants efficiency to the next level.

### Key Features

- **MOC:** Centrifugal casting or Seamless Pipe
- **Coating Technology:** ABRAKOAT™
- **Coating Thickness:** 80-100 microns
- **Coating Hardness:** 67-70 HRC

### Advantages of ABRAKOAT™ Coated Screen Roll

- Excellent wear resistance
- Non-stick properties for constant screen gap
- Corrosion resistance
- Consistent pellet sizes for longer periods of time
- Longer life resulting in less downtime and higher output
- Lower maintenance costs



# TECHNICAL COLLABORATION WITH TOCALO, JAPAN

Tocalo is a world leader in thermal spray coating and ATS' collaboration with them goes back to 2006. This association gives us a technology advantage in thermal spray coating for furnace rolls, sink rolls, stabilizer rolls and all process rolls.

ATS special protective coatings make for longer operating life and efficiency of rollers.

Coating material selection & coating process know-how is a result of in-house R&D and inputs from our technology partner. The solid, fabricated or cast rolls are finished using high-end robotic coating technology in state-of-the-art acoustic spray booths.

## Our coating solutions include

Tungsten Carbide • Ceramic • Hard Chrome Plating

## Types of Thermal Spray Coatings

High Velocity Oxy Fuel (HVOF) • High Velocity Air Fuel (HVOF) • Wire Arc Spray  
Spray & Fuse • Flame Spray



# COATING FOR FURNACE AND POT ROLLS

Squeeze out every last bit of productivity from your Continuous Annealing Lines (CALs) and Continuous Galvanising Lines (CGLs) by using ATS coatings on Furnace Rolls and POT Rolls used in molten zinc pots.

## Salient benefits

1. Cost-effective solutions for pickup, abrasive wear, profile loss, roughness loss, and other wear-related challenges inherent in steel processing.
2. ATS wear and corrosion resistant coatings create and maintain the optimum surface strength and surface roughness to extend the service life of critical rolls and prevent unplanned outages.



# STATE-OF-THE-ART MANUFACTURING FACILITY

ATS has expertise in handling large scale manufacturing processes, a competence painstakingly developed over the years. The company started as a few machines in a shed and has evolved into a highly specialised manufacturing facility that includes everything from CNC Grinding to Robotic Coating. The facility is equipped to handle a wide range of shapes and sizes from rolls of Ø100 mm to Ø2500 mm that are 10000 mm in length to 50 tons handling capacity.

## Cutting edge machinery

- CNC Turning Centre
- Roll Grinding Machine
- Cylindrical Grinding Machine
- Automatic Grit Blasting
- Robotic Coating
- Hard Chrome Plating
- Annealing Furnace (Stress Relieving)
- Induction Hardening Machine
- Bending & Re-rolling Machine
- Robotic Welding
- SAW Welding Machine
- Static / Dynamic Balancing Machine



## QUALITY AT EVERY STAGE, FROM RAW MATERIAL TO FINISHED PRODUCT

Downtime is costly and organisations dependent on continuous operation processes expect nothing less than the highest quality products and services. ATS' ISO 9001: 2015 certified quality control processes satisfy the global demand for performance. Our products don't just meet but surpass expectations in terms of quality, cost-effectiveness and delivery speed.

