



OPTIMUM
PIPES & TUBES

Specialist in Round, Square Pipes & Tubes

Nickel Alloys | Stainless Steel | Alloy Steel

CATALOG

www.optimumpipes.com



COMPANY PROFILE

OPTIMUM PIPES & TUBES has been a prominent name in the steel industry for over a decade, specializing in the supply and distribution of Nickel Alloys, Stainless Steel, Carbon Steel, Alloy Steel, Non-Ferrous Metals, and a wide array of industrial raw materials. We cater to diverse sectors across India and around the globe.

In response to the ever-evolving demands for enhanced performance, reliability, and quality, OPTIMUM PIPES & TUBES has broadened its global footprint, delivering an even wider range of products and services.

We are a professionally managed enterprise with in-depth expertise in the manufacturing of Stainless Steel Pipes & Tubes, Pipe Fittings, and Flanges, alongside a robust sourcing network for a comprehensive variety of steel products.

Our commitment to excellence has earned us the continued trust of clients from numerous industries including Refineries, Petrochemicals, Oil & Gas, Offshore, Chemicals, Fertilizers, Cement, Engineering, Construction, Sugar, Nuclear & Thermal Power, Paper & Pulp, and more. This catalogue is designed to be a user-friendly reference tool, aimed at simplifying your buying decisions and offering valuable insights into our offerings.





- **Customer Satisfaction Through Innovation** : We are committed to delivering exceptional service by integrating advanced technologies and continuously enhancing our processes.
- **End-to-End Quality** : Assurance Every product undergoes rigorous material, process, and performance checks to ensure superior quality and reliability.
- **Automated Operations for Efficiency** : Fully automated departments enable seamless supply chain management and prompt service to our clients worldwide.
- **Skilled and Motivated Workforce** : We invest in training and development to maintain a competent, safety-conscious, and motivated team aligned with our goals.
- **Continuous Improvement Culture** : Our Quality Management System is consistently refined to meet evolving industry standards and keep us ahead of the competition.

PIPES & TUBES

Material : Stainless Steel Seamless / Duplex / Super Duplex / Nickel Alloy / Carbon Steel / Alloy Steel

Standard :

ASTM / ASME / ANSI / AISI / DIN

Grade : 304, 304L, 310S, 316, 316L, 321, 904L, 2205, 2507, Monel, Inconel, Hastelloy, Titanium P5, P9, P11, P12, P22, P91, etc.

Types : Seamless / Welded / U-Tubes

INSTRUMENTATION STEEL TUBES

Instrumentation Tubes :

Stainless Steel Instrumentation Tubes are precision-engineered seamless tubes designed for reliable fluid and gas transmission in critical instrumentation, hydraulic, pneumatic, and control systems. Manufactured through advanced cold drawing processes, these tubes offer excellent dimensional accuracy, superior surface finish, high pressure resistance, and outstanding corrosion resistance, ensuring safe and leak-free performance in demanding industrial environments.

Applications : Oil & Gas • Petrochemical • Chemical Processing • Power Generation • Process Instrumentation • Hydraulic & Pneumatic Systems.



HEAT EXCHANGER PIPES AND TUBES

Heat Exchanger Tubes

We manufacture high-quality Stainless Steel Seamless Heat Exchanger Tubes engineered for efficient heat transfer and reliable performance in demanding operating conditions. Produced through advanced cold drawing and cold pilgering processes, our tubes offer excellent dimensional accuracy, superior surface finish, outstanding corrosion resistance, and high mechanical strength.

Applications: Heat Exchangers • Condensers • Boilers • Evaporators • Refineries • Petrochemical Plants • Power Generation • Chemical Processing • Fertilizer Plants • Marine & Offshore • Desalination • HVAC Systems.



CAPILLARY STEEL TUBES



Capillary Tubes

We manufacture precision Stainless Steel Seamless Capillary Tubes with extremely close tolerances, superior surface finish, and excellent corrosion resistance. Designed for critical applications requiring accurate fluid and gas transmission, our capillary tubes ensure reliable performance in instrumentation, analytical equipment, medical devices, and process control systems.

Applications: Instrumentation Systems • Pressure Gauges • Analytical Instruments • Medical Equipment • Hydraulic & Pneumatic Systems • Chromatography Equipment • Process Control Systems • Aerospace Components.

Electropolished Tubes (EP)

Electropolished Tubes

Our Electropolished Stainless Steel Tubes are manufactured from premium-quality seamless tubes and subjected to an advanced electrochemical polishing process to achieve an ultra-smooth, bright, and contamination-free surface. Electropolishing removes microscopic surface irregularities, enhancing corrosion resistance, cleanliness, and flow efficiency while minimizing particle adhesion and bacterial growth.

Applications: Pharmaceutical • Biotechnology • Semiconductor • High-Purity Gas Systems • Food & Beverage • Chemical Processing • Laboratory Equipment • Clean Room Systems.



SOLUTION ANNEALED TUBES (SA)



Solution Annealed (SA) Tubes

Solution Annealed Stainless Steel Tubes are heat-treated under controlled conditions to achieve a uniform microstructure, optimum corrosion resistance, and improved ductility. Featuring a clean metallic silver finish, these tubes provide excellent mechanical properties and are widely used in critical industrial applications requiring reliability and long service life.

Applications: Heat Exchangers • Condensers • Boilers • Petrochemical Plants • Refineries • Power Generation • Chemical Processing • Process Equipment • Marine & Offshore Industries.

BRIGHT ANNEALED TUBES (BA)

Bright Annealed Tubes

Our Bright Annealed Stainless Steel Tubes are manufactured using a controlled atmosphere heat treatment process that produces a clean, smooth, and bright metallic surface without oxidation. These tubes offer superior corrosion resistance, excellent surface finish, enhanced cleanliness, and outstanding dimensional accuracy, making them ideal for high-purity and critical service applications.

Applications:

Instrumentation • Hydraulic & Pneumatic Systems •
Pharmaceutical • Biotechnology •
Semiconductor • Food & Beverage
• Chemical Processing • Oil & Gas •



SURGICAL TUBES

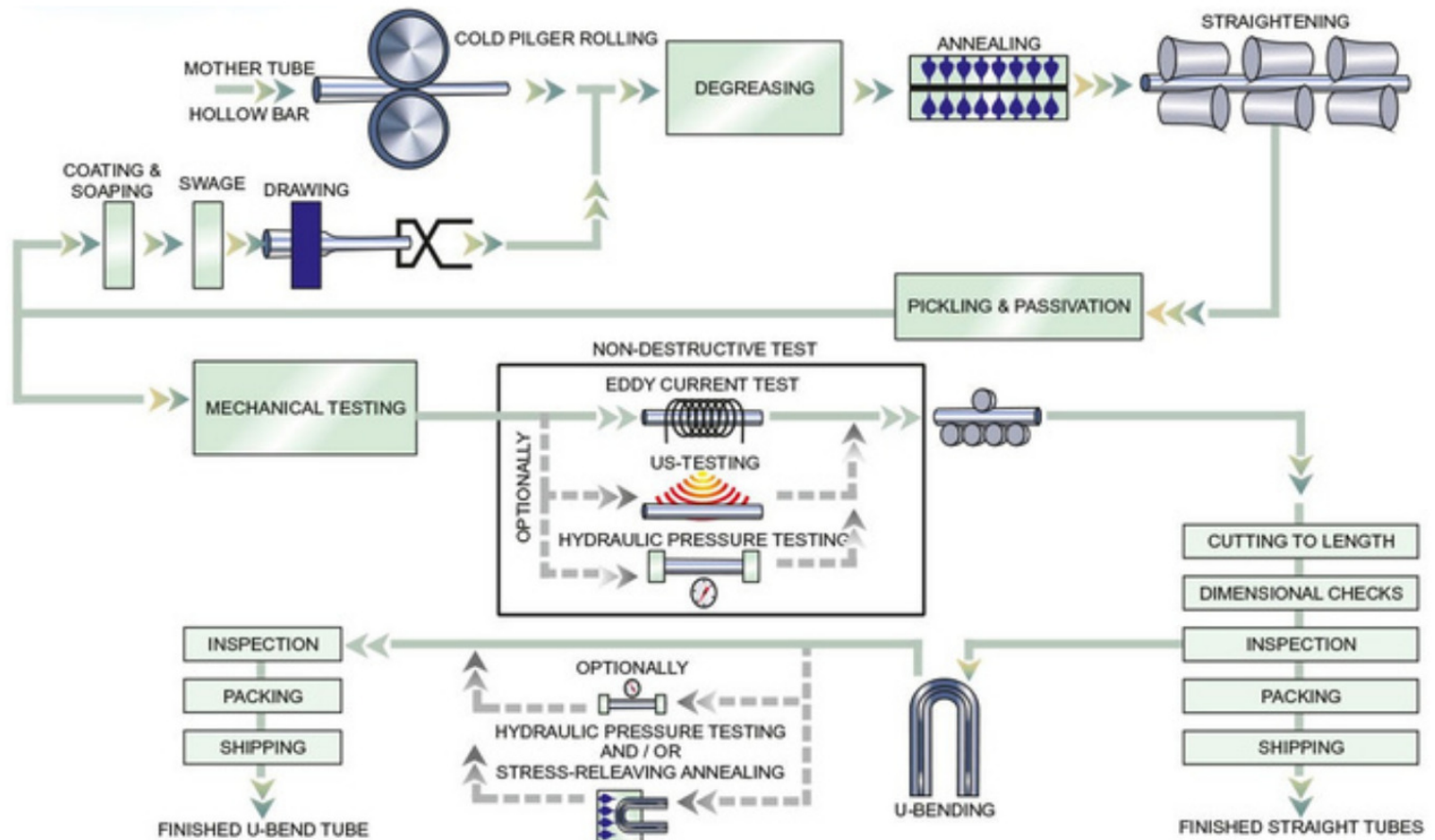
Surgical Tubes

Our Surgical Grade Stainless Steel Tubes are manufactured from premium-quality stainless steel to meet the demanding requirements of medical, surgical, and healthcare applications. Featuring excellent corrosion resistance, superior surface finish, high dimensional accuracy, and biocompatibility, these tubes are suitable for precision medical devices and surgical instruments.

Applications: Surgical Instruments •
Medical Devices • Hypodermic
Needles • Diagnostic Equipment •
Dental Instruments • Orthopedic
Devices • Laboratory Equipment.



MANUFACTURING PROCESS OF COLD PILGERING



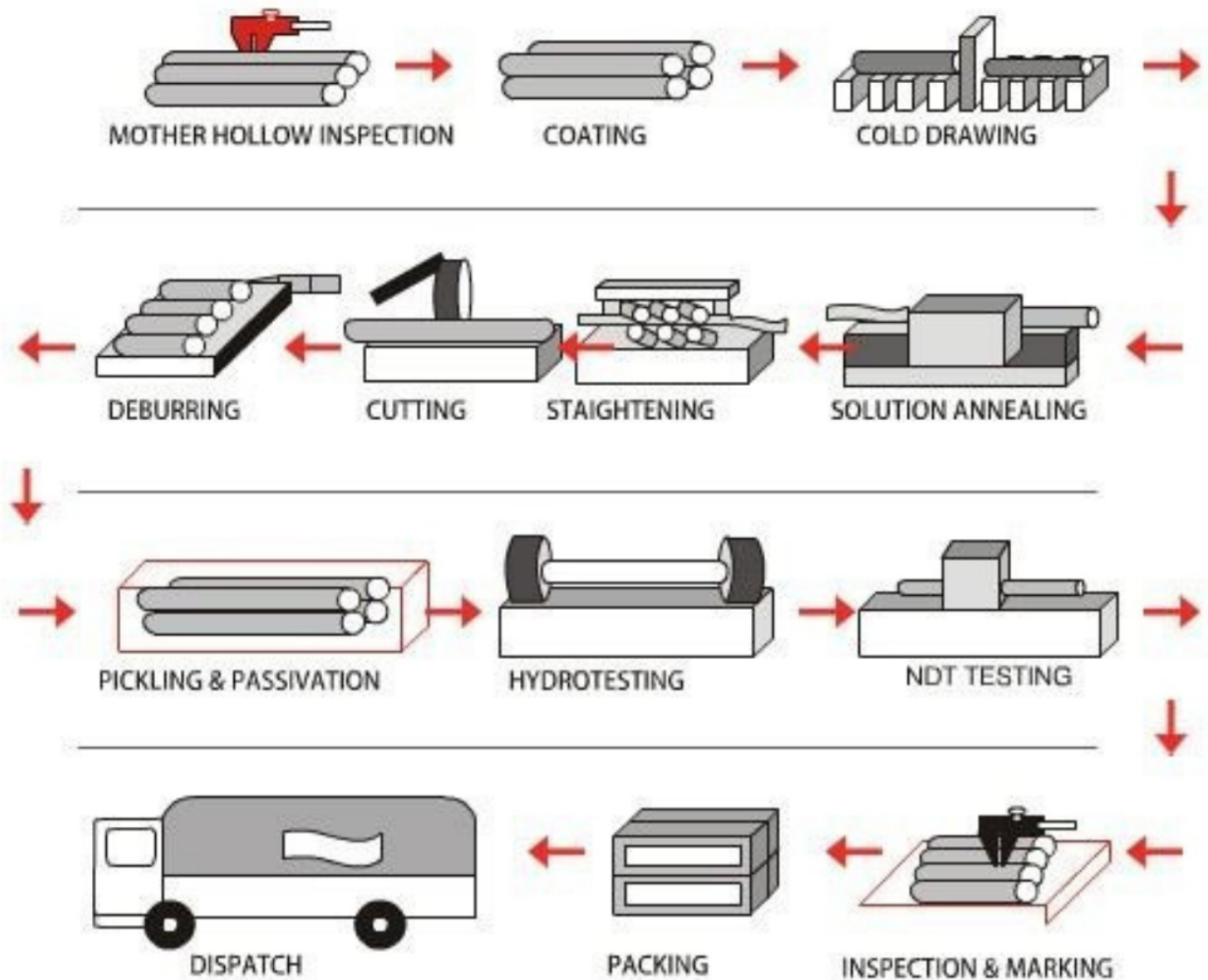
Cold Pilgering Process Flow:

High-quality hollow tubes are cold reduced through precision pilger rolling, followed by degreasing, annealing, straightening, pickling & passivation, and comprehensive quality testing. The process enhances dimensional accuracy, surface finish, mechanical strength, and overall product quality, ensuring compliance with stringent industry standards.

Cold Pilgering is an advanced tube reduction process that produces seamless stainless steel tubes with exceptional dimensional precision, superior surface quality, and enhanced mechanical properties. The process ensures uniform wall thickness, tight tolerances, and compliance with stringent international standards for critical industrial applications.

MANUFACTURING PROCESS OF COLD DRAWING

PROCESS FLOW CHART FOR COLD DRAWING



Cold Drawing Process :

Cold Drawing is a precision tube manufacturing process in which seamless tubes are drawn through a die and over a mandrel to achieve the required diameter, wall thickness, and dimensional tolerances. The process enhances surface finish, improves mechanical properties, and ensures excellent dimensional accuracy. Following cold drawing, the tubes undergo annealing, straightening, pickling & passivation, and rigorous quality testing to meet stringent international standards and critical application requirements.

CERTIFICATE

GLOBA
GLOBAL BUSINESS ASSURANCE

Dedication of Compliance

Name & Address of Manufacturer:
OPTIMUM PIPES & TUBES
Jumbo Steel No. 4, Mirny Industrial Park, Puzos, Imbergang, Tulsa - Imbergang, DSI - Value, Gujarat - 386276, India.

This is to certify that the manufacturer has implemented and applies a QA System. This QA System has been subjected to a specific compliance for material use. To Directive 2014/68/EU.

Approved:
Directive 2014/68/EU, Annex - II (Module H)
(Full quality assurance for design, final production, inspection & testing)

For following scope:
Manufacturer of Stainless Steel Pipes and Tubes 304/304L, 316/316L, 316 Ti, 316 TiN, 321, 321 Ti, 304L, Duplex, Super Duplex, Inconel, Monel, Hastelloy, Alloy Steel, High Nickel Alloy Seamless and Welded Pipes, Tubes and U-Tubes.

Production Site:
Jumbo Steel No. 4, Mirny Industrial Park, Puzos, Imbergang, Tulsa - Imbergang, DSI - Value, Gujarat - 386276, India.

Certificate No.: 1011-CE-BA-EU-05-5202-SIAC-002376-IN

This certificate is valid from 03-May-2025 until 03-May-2028 and remain valid subject to satisfactory annual surveillance audits. Certification expiry on 03-May-2028.

The validity of this certificate is connected to a valid surveillance assistance with ISO 9001:2015 (2015).

CE

ISO 9001 : 2015

SVIDETĚLSTVO | CERTIFICATE | CERTIFICATO | CERTIFIKAT | شهادة

GLOBA
GLOBAL BUSINESS ASSURANCE

MANAGEMENT SYSTEM CERTIFICATE

This is to certify that Quality Management System of

OPTIMUM PIPES & TUBES
Jumbo Steel No. 4, Mirny Industrial Park, Puzos, Imbergang, Tulsa - Imbergang, DSI - Value, Gujarat - 386276, India.

Has been assessed and found to conform to the requirements of

ISO 9001 : 2015

For following scope:
Manufacturer of Stainless Steel Pipes and Tubes 304/304L, 316/316L, 316 Ti, 316 TiN, 321, 321 Ti, 304L, Duplex, Super Duplex, Inconel, Monel, Hastelloy, Alloy Steel, High Nickel Alloy Seamless and Welded Pipes, Tubes and U-Tubes.

Certificate No.: 1011-QMS-BA-UK-05-5202-SIAC-002376-IN

This certificate is valid from 03-May-2025 until 03-May-2028 and remain valid subject to satisfactory surveillance audits on 03-May-2028 and 03-May-2027. Re certification audit due on 03-May-2028. Certification expiry on 03-May-2028.

ISO 9001 : 2015

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GLOBA
GLOBAL BUSINESS ASSURANCE

MANAGEMENT SYSTEM CERTIFICATE

This is to certify that Occupational Health and Safety Management System of

OPTIMUM PIPES & TUBES
Jumbo Steel No. 4, Mirny Industrial Park, Puzos, Imbergang, Tulsa - Imbergang, DSI - Value, Gujarat - 386276, India.

Has been assessed and found to conform to the requirements of

ISO 45001 : 2018

For following scope:
Manufacturer of Stainless Steel Pipes and Tubes 304/304L, 316/316L, 316 Ti, 316 TiN, 321, 321 Ti, 304L, Duplex, Super Duplex, Inconel, Monel, Hastelloy, Alloy Steel, High Nickel Alloy Seamless and Welded Pipes, Tubes and U-Tubes.

Certificate No.: 1011-OHSMS-BA-UK-05-5202-SIAC-002376-IN

This certificate is valid from 03-May-2025 until 03-May-2028 and remain valid subject to satisfactory surveillance audits on 03-May-2028 and 03-May-2027. Re certification audit due on 03-May-2028. Certification expiry on 03-May-2028.

ISO 45001 : 2018

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GLOBA
GLOBAL BUSINESS ASSURANCE

Dedication of Compliance

Name & Address of Manufacturer:
OPTIMUM PIPES & TUBES
Jumbo Steel No. 4, Mirny Industrial Park, Puzos, Imbergang, Tulsa - Imbergang, DSI - Value, Gujarat - 386276, India.

This is to certify that the manufacturer has implemented and applies a QA System. This QA System has been subjected to a specific compliance for material use. To Directive 2014/68/EU.

Pressure Equipment Directive 2014/68/EU
System No. To EN 10204, article 4.2 and AD 2008 (Surveillance only)

For following scope:
Manufacturer of Stainless Steel Pipes and Tubes 304/304L, 316/316L, 316 Ti, 316 TiN, 321, 321 Ti, 304L, Duplex, Super Duplex, Inconel, Monel, Hastelloy, Alloy Steel, High Nickel Alloy Seamless and Welded Pipes, Tubes and U-Tubes.

Production site:
Jumbo Steel No. 4, Mirny Industrial Park, Puzos, Imbergang, Tulsa - Imbergang, DSI - Value, Gujarat - 386276, India.

Certificate No.: 1011-PE-BA-EU-05-5202-SIAC-002376-IN

This certificate is valid from 03-May-2025 until 03-May-2028 and remain valid subject to satisfactory annual surveillance audits. Certification expiry on 03-May-2028.

The validity of this certificate is connected to a valid surveillance assistance with ISO 9001:2015 (2015).

ISO 9001 : 2015

SVIDETĚLSTVO | CERTIFICATE | CERTIFICATO | CERTIFIKAT | شهادة

GLOBA
GLOBAL BUSINESS ASSURANCE

MANAGEMENT SYSTEM CERTIFICATE

This is to certify that Environmental Management System of

OPTIMUM PIPES & TUBES
Jumbo Steel No. 4, Mirny Industrial Park, Puzos, Imbergang, Tulsa - Imbergang, DSI - Value, Gujarat - 386276, India.

Has been assessed and found to conform to the requirements of

ISO 14001 : 2015

For following scope:
Manufacturer of Stainless Steel Pipes and Tubes 304/304L, 316/316L, 316 Ti, 316 TiN, 321, 321 Ti, 304L, Duplex, Super Duplex, Inconel, Monel, Hastelloy, Alloy Steel, High Nickel Alloy Seamless and Welded Pipes, Tubes and U-Tubes.

Certificate No.: 1011-QMS-BA-UK-05-5202-SIAC-002377-IN

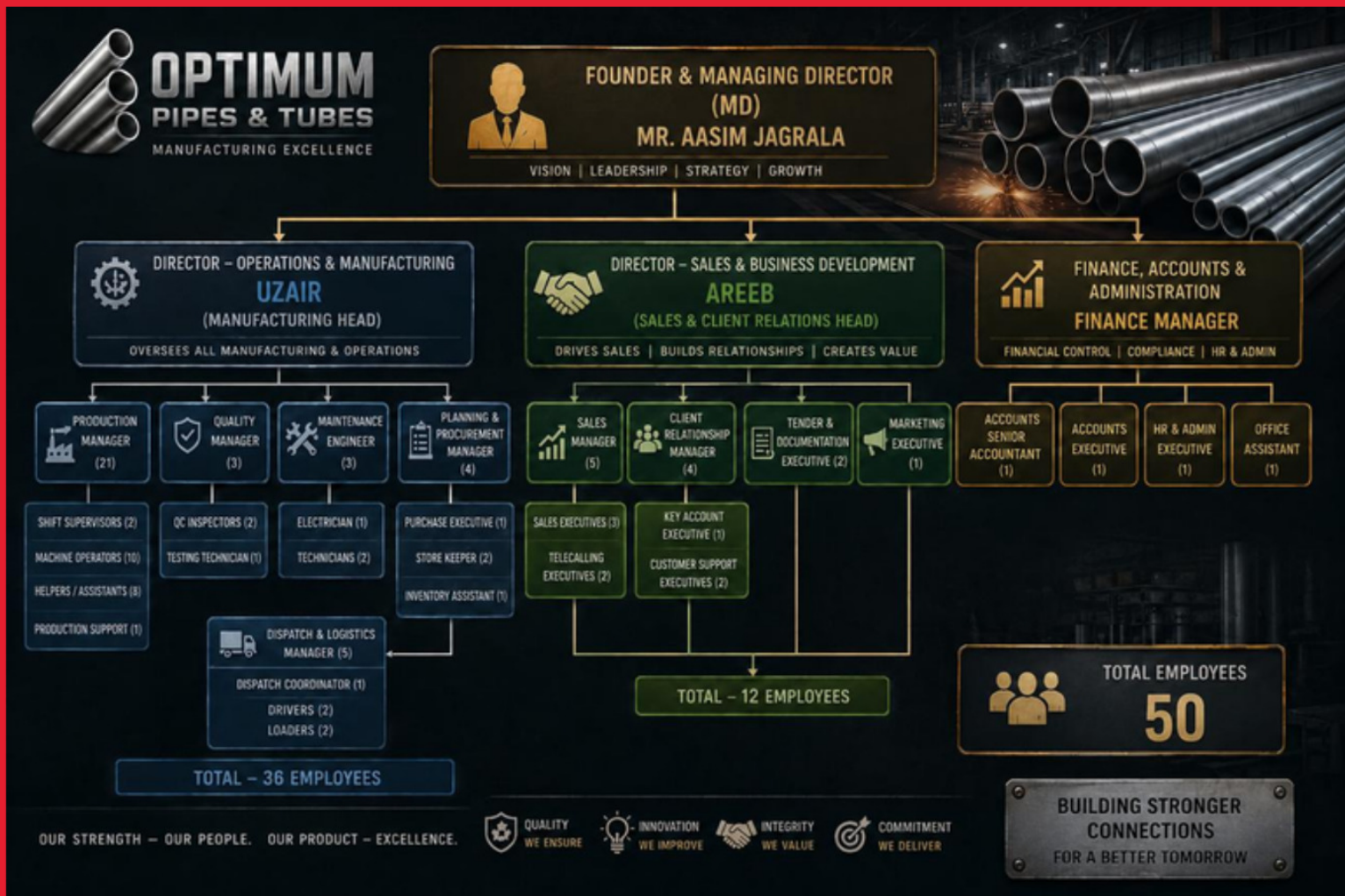
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ISO 14001 : 2015

SVIDETĚLSTVO | CERTIFICATE | CERTIFICATO | CERTIFIKAT | شهادة



OPTIMUM PIPES & TUBES – TEAM STRUCTURE



Organizational Structure & Leadership

At OPTIMUM Pipes & Tubes, our organizational framework is designed to ensure operational excellence, superior product quality, and customer satisfaction. Under the visionary leadership of Mr. Aasim Jagrala, Founder & Managing Director, the company follows a structured management system focused on innovation, efficiency, and sustainable growth.

The organization is strategically divided into three core functions:

Manufacturing & Operations – Responsible for production, quality assurance, maintenance, procurement, inventory management, and logistics, ensuring compliance with international standards and timely delivery.

Sales & Business Development – Dedicated to customer relationship management, key account handling, tender documentation, market development, and business expansion across domestic and global markets.

Finance, Accounts & Administration – Oversees financial management, statutory compliance, human resources, and administrative operations to support the company's long-term objectives.

With a team of skilled professionals and a workforce of 50 employees, OPTIMUM Pipes & Tubes is committed to delivering high-quality stainless steel seamless pipes and tubes while upholding the core values of Quality, Innovation, Integrity, and Customer Commitment.



APPLICATION INDUSTRIES

✓ OIL&GAS INDUSTRIES

✓ PHARMA-CEUTICAL

✓ PAPER & PULP

✓ FURNACE INDUSTRIES

✓ REFINERIES

✓ PETRO-CHEMICAL

✓ AUTOMOBILE

✓ NUCLEAR POWER

✓ SHIP BUILDING

✓ SUGAR INDUSTRIES

✓ ENGINEERING

✓ WATER PIPING SYSTEM



IMPORTER & EXPORTERS OF: High Nickel Alloys, Stainless Steel, Carbon Steel, Other Ferrous & Non-ferrous Metals in Shape of Sheet, Plate, Pipes & Tubes, Pipes Fittings, Flanges, Round Bars, etc.

Address: Jumbo Shed No. 4, Mistry Industrial Park, Palgam, Umbergaon, Taluka - Umbergaon, Dist - Valsad, Gujarat - 396170.

Phone No.: +91 98190 80832 / +91 92222 82269 / +91 98331 05784

Email: info@optimumpipes.com, sales@optimumpipes.com **Website:** www.optimumpipes.com

Contact Person: Areeb Jagrala. Cell: +91 98331 05784 | Uzair Jagrala Cell.: +91 92222 82269

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