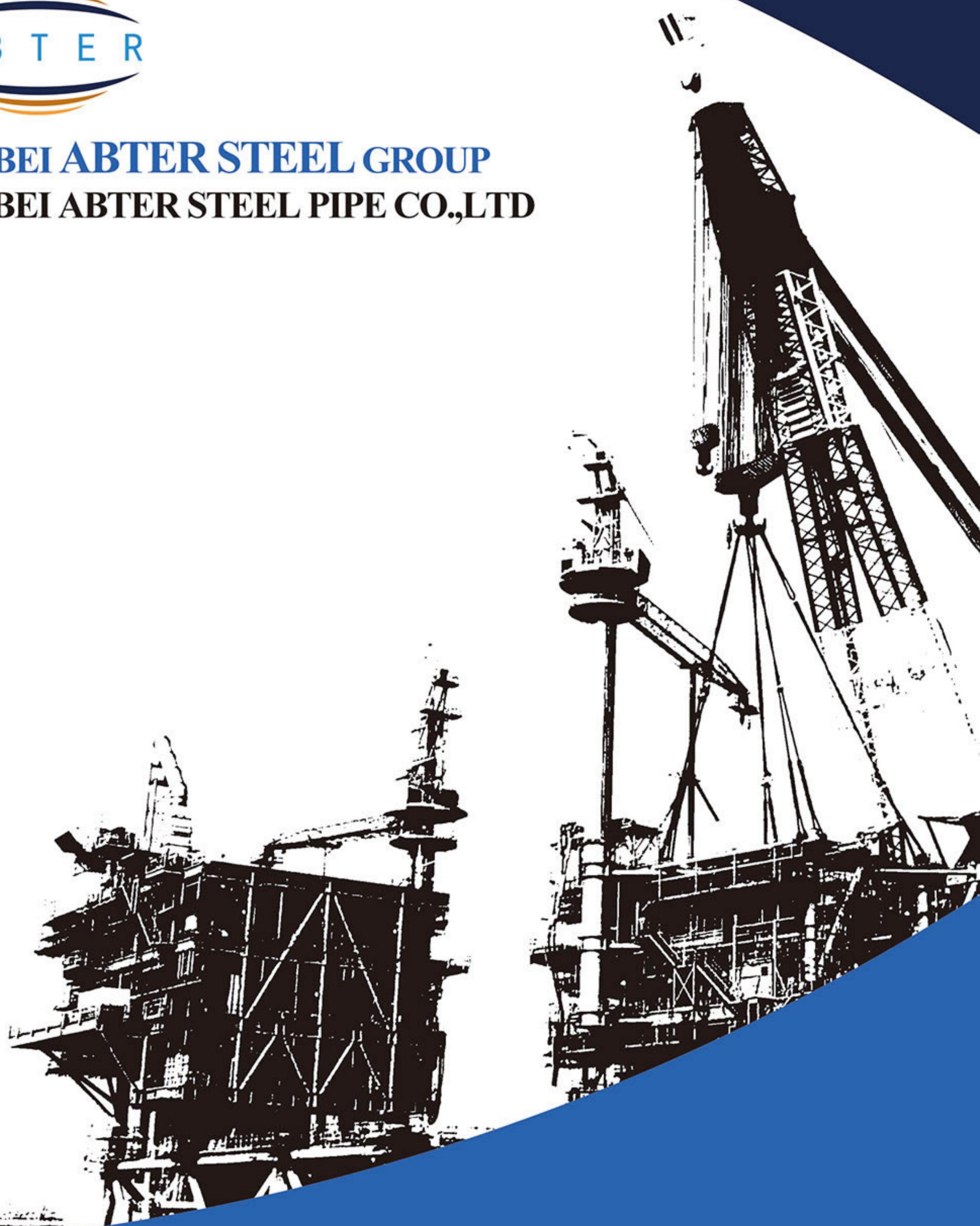


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HEBEI ABTER STEEL GROUP
HEBEI ABTER STEEL PIPE CO.,LTD





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HEBEI ABTER STEEL GROUP

Approved by Hebei Entry-Exit Inspection and Quarantine Bureau and has 5 manufacture bases in China, ABTER STEEL GROUP is a group company which integrates production, sales and service of steel pipes. The company not only provides active online transaction but also integrates four resources including supply chain, quality control and warehouse logistics as well as provides the customers with sufficient information transparency, so as to reduce the purchasing cost of the customers, promote the efficiency of commodity circulation and share interests with the customers. Setting "exploration and innovation, mutual aid and win-win, and striving to be the "good helper" of steel users" as its mission, the company is committed to create "sunny ecosphere" of steel trade industry to make steel trade more efficient and sunny and ultimately realize win-win cooperation with industrial users.

ABTER STEEL GROUP is committed to create a "seamless transaction platform" which integrates customization, spot goods supermarket, quality control, warehouse logistics and supporting services. The company holds following advantages after years of development:

1. As the direct sales window of steel factory, the company can provide the customers with high quality products with preferable price. Meanwhile, the diversified steel products allows for integrative purchase and full services for the customers to save enterprise cost.

2. Our group has the warehouse covering an area of 5,0000 square meters where abundant steel pipes are stored on long-term basis to meet the emergency need of foreign customers and domestic programs. Additionally, our group has developed many professionals who are very familiar with steel trades, know the situation of each key warehouse in China explicitly and get in wide and deep touch with warehouse logistics institutions across China.

COMPANY PROFILE

3. Based on the belief that safety and quality makes the achievement of future, Hebei Entry-Exit Inspection and Quarantine Bureau not only strictly controls the quality of products from the five steel plants but also goes to the plant and supervises the production process and production equipment safety from time to time for the purpose of ensuring the interests of the customers at the source.

4. Our group has a wholly-owned international logistics company-Hebei Haichuan International Logistics Agency Limited, which possesses professional transportation team and maintains long-term cooperation with various large shipping companies to minimize the transportation cost for the customers and deliver their goods to the destination safely and timely as well as realize simpler and more reliable steel transportation.

We have exported to more than thirty countries and regions all over the world. The company has extensive marketing network for different fields such as automobile, household appliances, petrochemical, manufacture of machinery, energy, transportation, metalwork, aeronautics and astronautics, nuclear power and electronic instruments. By providing refined services based on the requirement of enterprises in steel industry for reduced purchasing cost and improved decision accuracy and by means of resource integration, ABTER STEEL GROUP has been widely recognized in the industry. We have exported to more than thirty countries and regions all over the world. The company has extensive marketing network for different fields such as automobile, household appliances, petrochemical, manufacture of machinery, energy, transportation, metalwork, aeronautics and astronautics, nuclear power and electronic instruments.

HEBEI ABTER STEEL PIPE CO.,LTD

As one of the subsidiary companies under Abter Steel Group, Hebei Abter Steel Pipe Co.,Ltd is a large enterprise for high performance-price ratio welded and seamless steel pipes covering various steel grades. We have set up extensive international sales network covering Middle East, Southeast Asia, South Africa, Europe, the Americas etc .with powerful financial strength, advanced managerial concept, excellent marketing service, strict quality control system and the whole scientific method, Abter has became to one of the major exporters of OCTG and line pipe for crude oil and natural gas delivery in China. And with the professional "Can-do" approach, Abter Steel is well acclaimed by the Client at home and abroad.

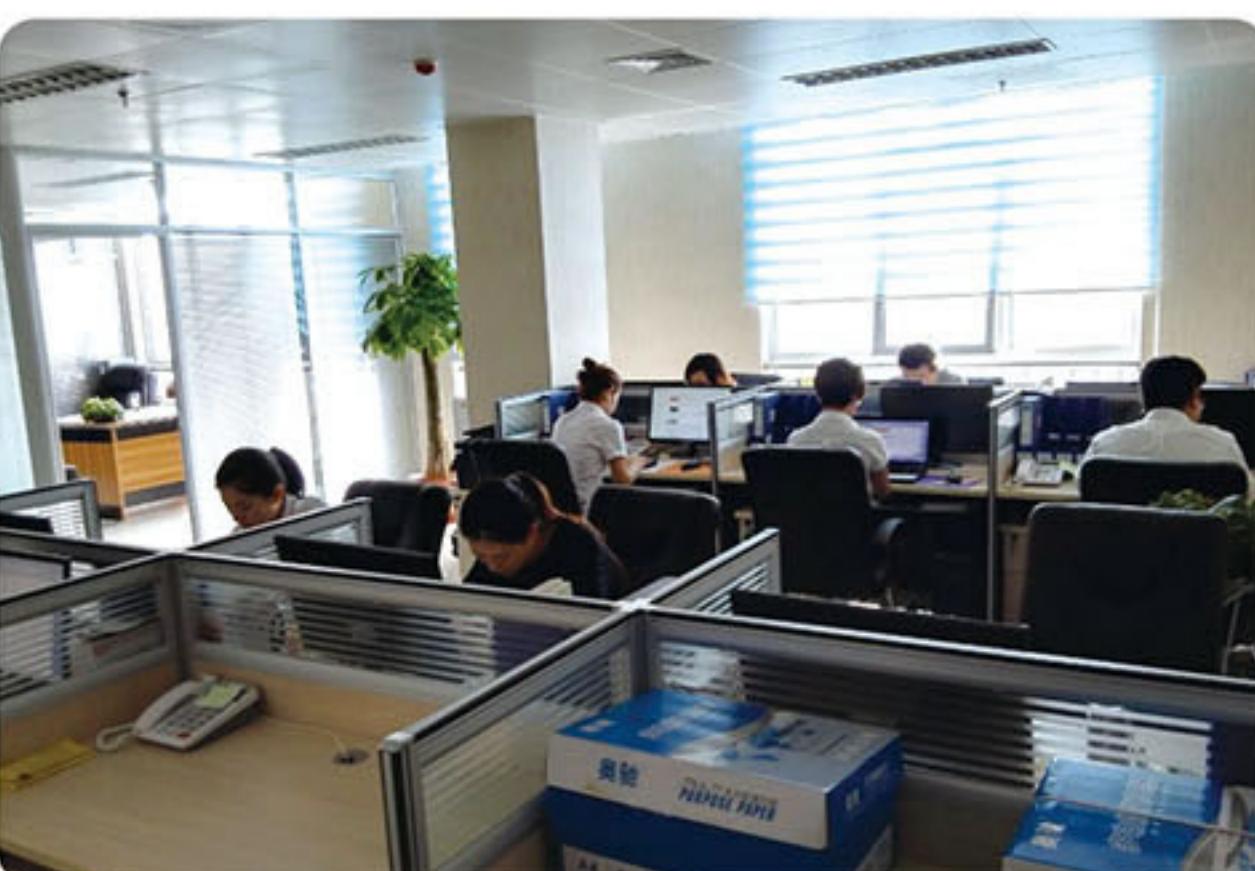
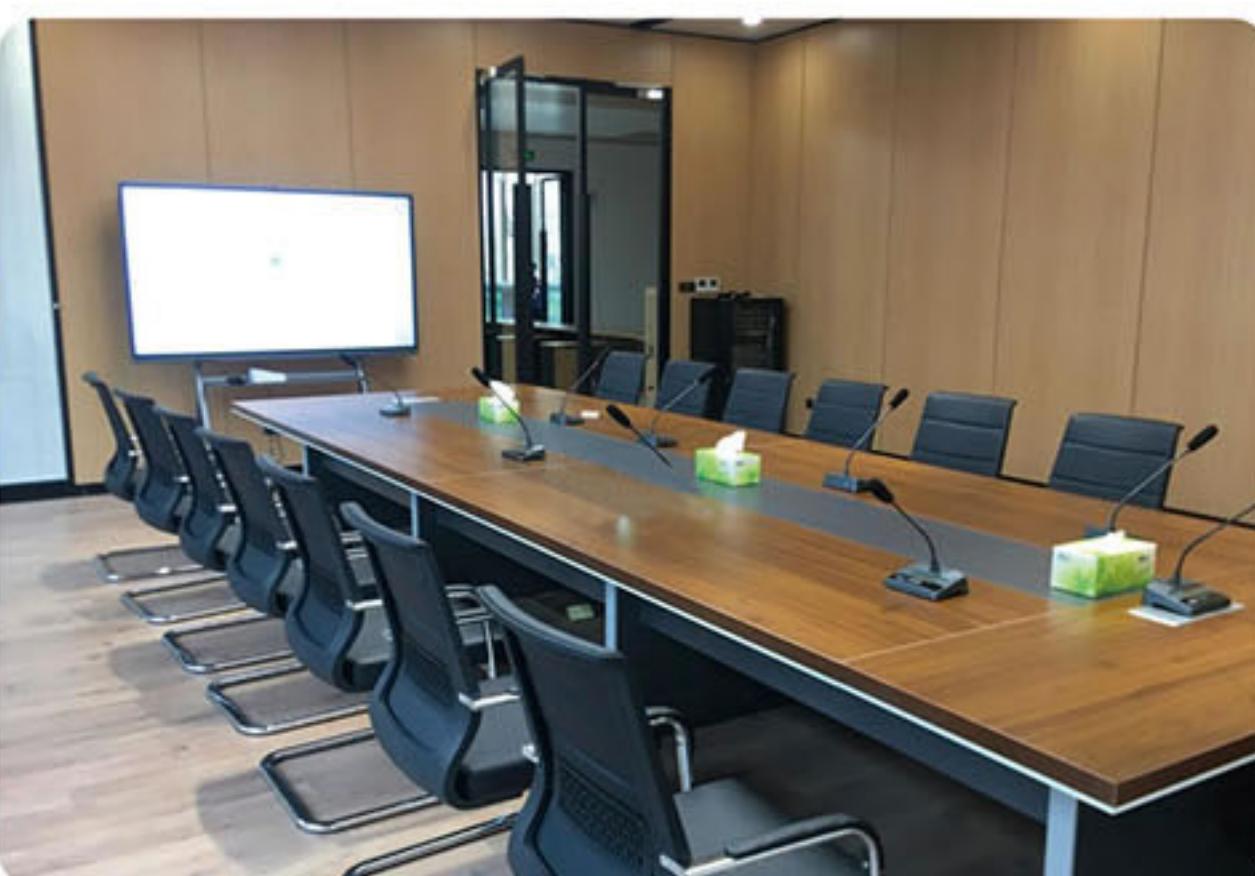
The range of our products:

- Seamless steel pipe(OD:13.72-1426mm,WT:1.25-160mm)
- ERW steel pipe (OD:6-610mm, WT:max26.5mm)
- SSAW steel pipe(OD219.1-3220mm,WT:max26mm)
- LSAW steel pipe(OD340-1820mm, WT :max 160mm)

The rules of our company(4B):

1. Best price: Abter believes in customers' satisfaction due to money saving
2. Best quality: Abter believes in durability of equipment
3. Best leadtime: Abter respects to the time schedule planned by the esteemed customers
4. Best reliability: Abter believes in providing high quality products and reliable after sales services.

Welcome to contact or visit us for further information ,we sincerely hope to establish long-term cooperation



HEBEI HAICHUAN INTERNATIONAL FORWARDERS LIMITED

Founded on August 8, 2008, HEBEI HAICHUAN INTERNATIONAL FORWARDERS LIMITED is a company subordinated to HEBEI ABTER STEEL GROUP. Holding abundant logistics knowledge and experienced professionals, the company mainly handles businesses related to international transportation such as international shipping, international air transport, commodity inspection, customs declaration, storage and cargo insurance. The company provides domestic and foreign importers, exporters and manufacturers with safe, rapid and quality global logistics and supply chain services by adhering to the "integrity-based and service-oriented" philosophy. Relying on its "window" advantage, the company has established good and close long-term cooperative relationship with various world-renowned shipping companies (OOCL, MAERSK, EVERGREEN, PIL, WANHAI, MSC, YANGMING, CMA, HANJIN, COSCO, etc.) Its international networks spread all over Europe, America, Africa, Australia, Japan, Southeast Asia and Middle East and provide customs clearance, transhipment, freight collect, home service and imported goods transportation at various main ports all over the world. We will do our best to provide most professional and intimate services for every customer. Making it as our mission to protect the interests of the customers, we will truly repay every customer with sincerity and high efficiency, and control every risk practically, soundly and broadly.





CULTURE

OPERATION TARGET:

To create "sunny ecosphere" of steel trade industry

ADMINISTRATION MODE:

Human-oriented, standardized and digitalized administration

CORE VALUE:

Gratitude, diligent, realistic, persistent

SERVICE CONCEPT:

Customer first, reputation first

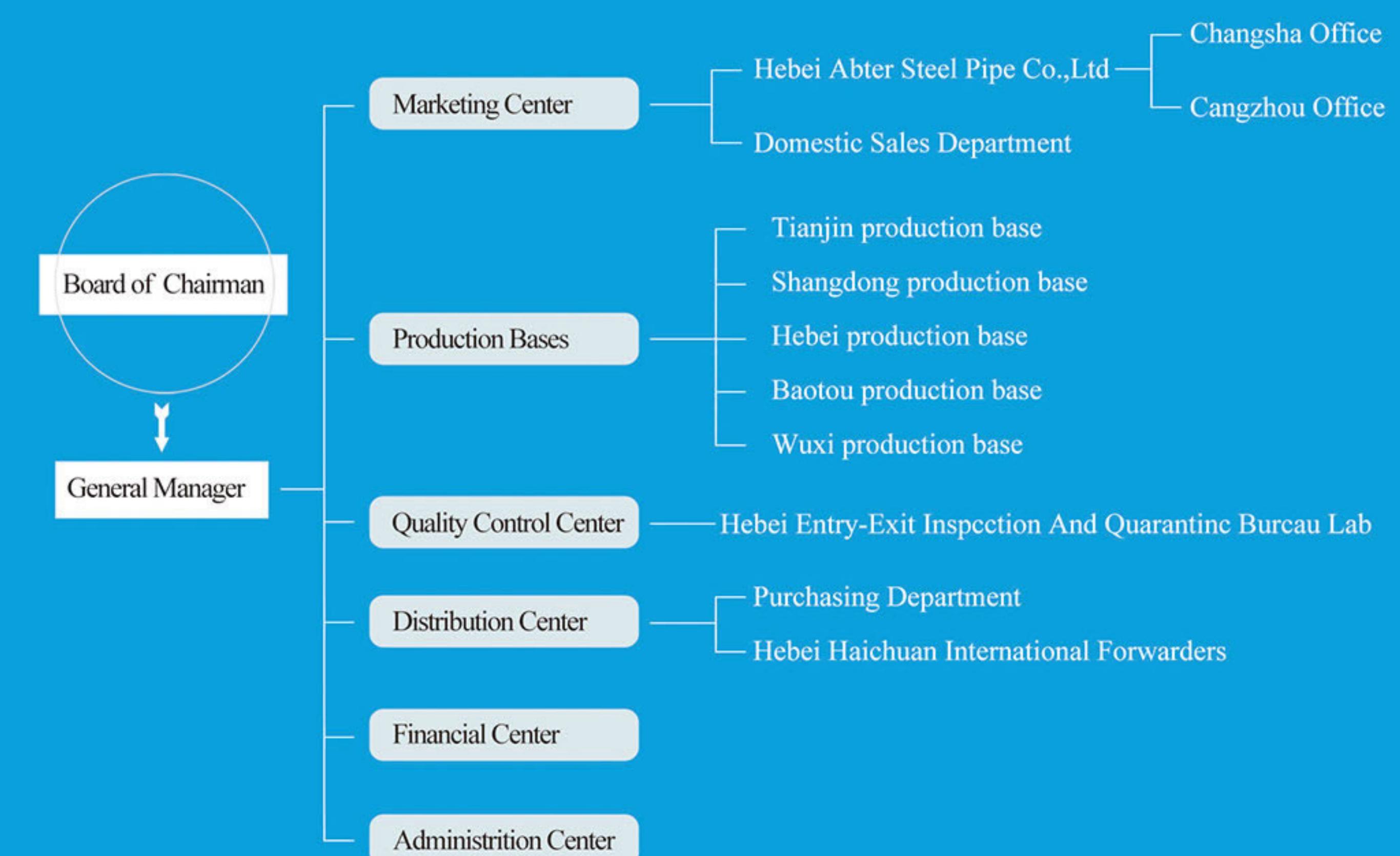
QUALITY CONCEPT:

Development depends on quality, while quality comes from details

ACTION NORM:

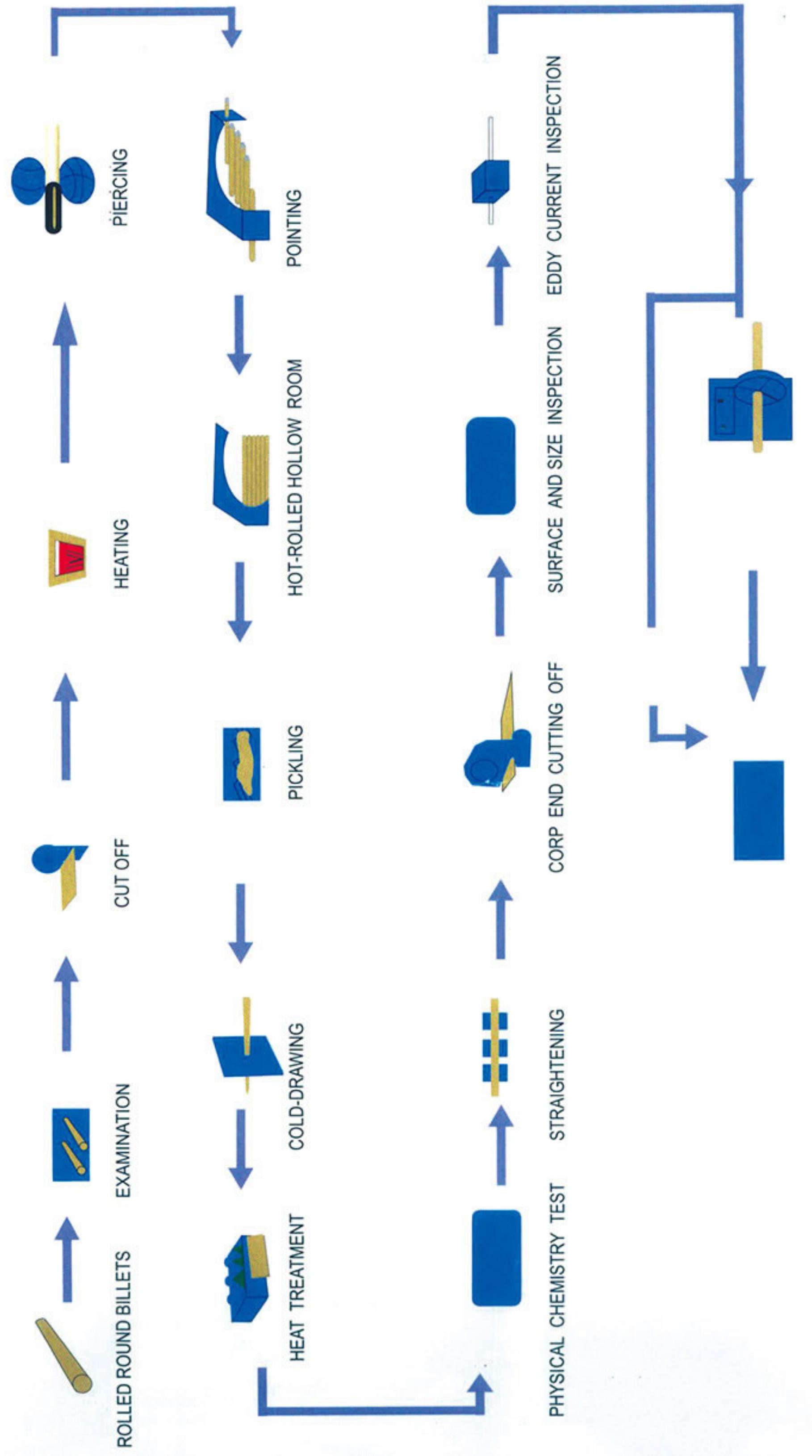
Actively and efficiently

‘ ORGANIZATION FRAME ’

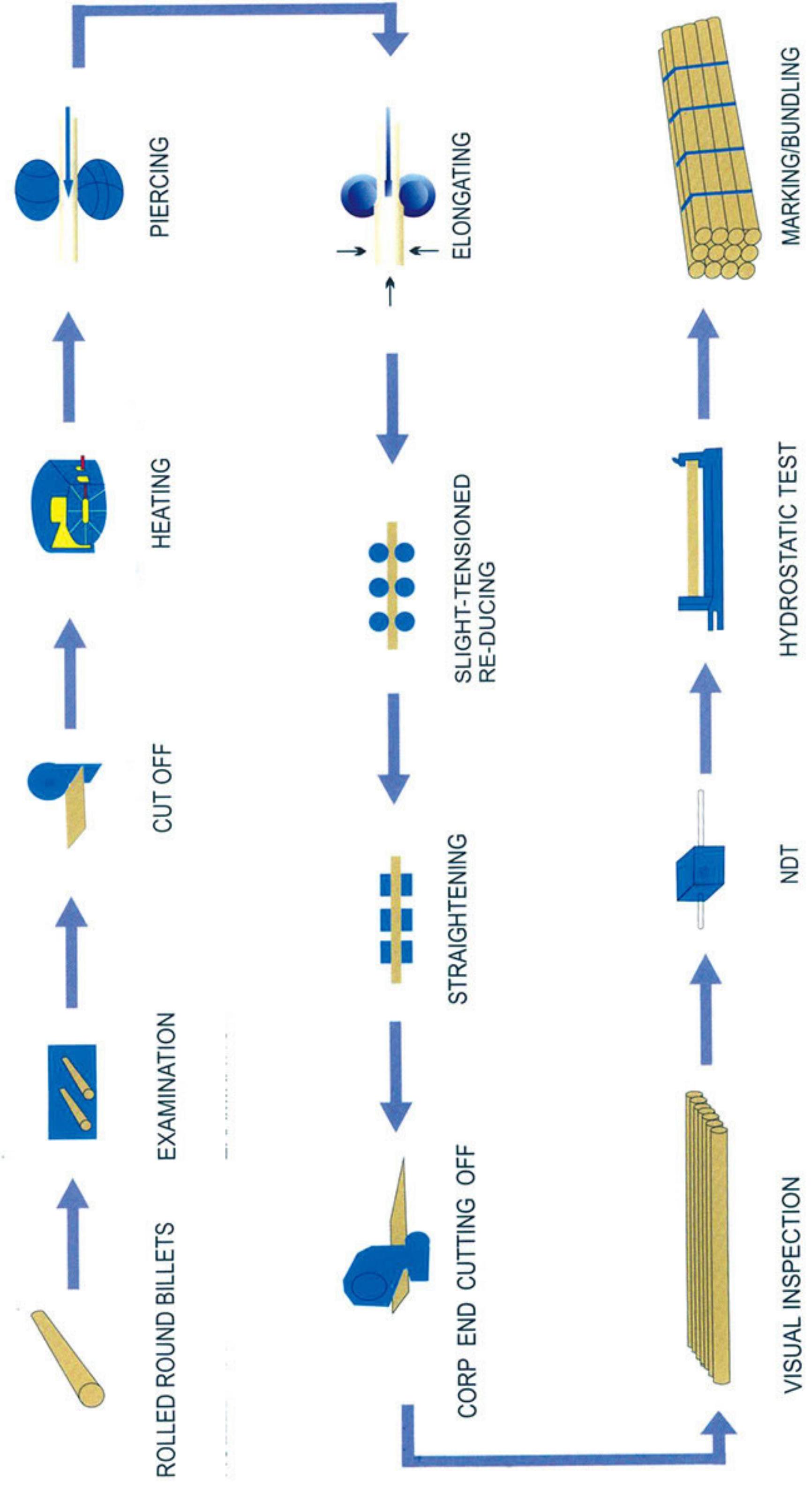


SEAMLESS STEEL PIPE MANUFACTURING PROCESSES

COLD-DRAWING SEAMLESS STEEL PIPE PROCESS FLOW CHART



HOT-ROLLING SEAMLESS STEEL PIPE PROCESS FLOW CHART



SEAMLESS STEEL PIPE EQUIPMENTS FOR PRODUCING



Rotating heat furnace

Single-or dual-feeding available ,fueled by lpg, automated furnace- temerature. Furnace-pressure and furnace flow ,domestical-topping controlling performance



Piercing mill

The punching machine can be adjusted automatically and locked hydraulically , this unit features in stable punching process, uniform hair canal wall thickness etc.This Machine is advanced at home.



Slight-tensioned reducing mill

Respective-power-transmission of three rollers ,flexible adjustment, char-artenize as high-precised of outer -diameter and superior surface finishing



Straightener

Six trollers ,eight columns, perfect rigid ,automated presed and automated angular adjustment, hydraulic lock system , features as easil and flexibly operating and high precision



Leakage magnetic flow detector

Tube inner and external and inside defect detection available



Pipe cutter

High-perfomance tube cutter, sysfeatures as high-speed and well finished cutting



Cooling bed

Stepwise cooling bed, lifted by motor-transmitted, hydraulical-controlled translating, cooling sectioned as 27*28m, dual-feeding available.



Hydrostatic testing machine

With plc touch screen operating system, could print-out testing pressure automatically.it features simple construction, strong bearing member, high productivity, wide product specification range, and adjustable testing head, making it suitable for testing pressures on steel tubes of various lengths.



Production line advantages:

Walking beam furnace with its hearth longitudinal division and horizontal, partition, the furnace temperature is automatically controlled in each section, with even temperature, so the performance properties are uniform and stable.

we use water quenching with outside pouring and inside spraying. Water flowing rate and pressure can be adjusted within a large range to meet different material and different size cooling requirement. The pipes have good surface condition and precise dimension after high pressure water descaling and hot sizing. Supporting equipment: Walking beam quenching furnace, Walking beam tempering furnace, UT&EMI combination test machine from GE & FOERSTER, Six-rollers straightener from BRONX

SEAMLESS STEEL PIPE PRODUCTION STANDARDS

TUBE FOR STRUCTURES

Standard: DIN 1629

Deutsche industrie Normen

Uses: For manufacture pipelines, vessels, equipment, pipe fittings and steel structures

Chemical Composition(%)

Standard	Grade	C	Si	Mn	P	S	Cr	Ni	Cu	V
DIN1629	St37.0	≤0.17	0.17-0.37	0.35-0.65	≤0.025	≤0.020	≤0.25	≤0.25	≤0.25	-
	St44.0	≤0.21	0.17-0.37	0.50-0.80	≤0.025	≤0.020	≤0.25	≤0.25	≤0.25	-
	St55	0.33-0.41	0.17-0.37	0.50-0.80	≤0.025	≤0.020	≤0.25	≤0.25	≤0.25	-
	St52.0	≤0.22	≤0.55	≤1.60	≤0.025	≤0.020	≤0.25	≤0.25	≤0.25	-
	CK45	0.42-0.50	0.17-0.37	0.50-0.80	≤0.025	≤0.020	≤0.25	≤0.25	≤0.25	-

Note: other grades than the a.m. Chart can be made available is through consultations

Mechanical Properties

standard	Grade	Tensile strength(Mpa)	Yield strength not less than(Mpa)		Elongation not less than(%)	Impact test	
			≤16mm	>16mm		temperature(°C)	Absorbed energy(KV/J)
DIN1629	St37.0	350-480	235	225	25	-	-
	St44.0	420-550	275	265	21	-	-
	St55	540-645	295	285	17	-	-
	St52.0	500-650	355	345	21	-	-
	CK45	590-730	335	325	14	-	-

Chemical Analysis(%)

Standard	Type of pipe	Class	Grade	C	Si	Mn	P	S	S	Nb	Ti
				max	max	max	max	max	max	max	max
API 5L	SMLS	PSL1	L245B	0.28	-	1.20	0.030	0.030	0.030	-	-
			L290*42	0.28	-	1.30	0.030	0.030	0.030	-	-
			L320*46	0.28	-	1.40	0.030	0.030	0.030	-	-
			L360*52	0.28	-	1.40	0.030	0.030	0.030	-	-
			L390*56	0.28	-	1.40	0.030	0.030	0.030	-	-
			L415*60	0.28	-	1.40	0.030	0.030	0.030	-	-
			L450*65	0.28	-	1.40	0.030	0.030	0.030	-	-
			L485*70	0.28	-	1.40	0.030	0.030	0.030	-	-
		PSL2	L245N BN	0.24	0.40	1.20	0.025	0.015	0.015	-	0.04
			L290N*42N	0.24	0.40	1.20	0.025	0.015	0.015	0.05	0.04

TECHNICAL PARAMETERS OF LINE PIPE

Standard: API5L

Uses: For conveying gas,water, and oil and natural gas industries

Mechanical Properties

Standard	Class	Grade		Yield strength not less than(Mpa)	Tensile strength (Mpa)	Elongation (%)	Y.S./T.S. (%)
API 5L	PSL1	L245B	min	245	415	b	-
		L290*42	min	290	415	b	-
		L320*46	min	320	435	b	-
		L360*52	min	360	460	b	-
		L390*56	min	390	490	b	-
		L415*60	min	415	520	b	-
		L450*65	min	450	535	b	-
		L485*70	min	485	570	b	-
API 5L	PSL2	L245N BN	min	245	415	b	-
		L245M BM	max	450	760	b	0.93
		L290N*42N	min	290	415	b	-
		L290M*42M	max	495	760	b	0.93
		L320N*46N	min	320	435	b	-
		L320M*46M	max	525	760	b	0.93
		L360N*52N	min	360	760	b	-
	PSL2	L360M*52M	max	530	760	b	0.93
		L390N*56N	min	390	490	b	-
		L390M*56M	max	545	760	b	0.93
		L415N*60N	min	415	520	b	-
		L415M*60M	max	565	760	b	0.93
		L450M*65M	min	450	535	b	-
		L485M*70M	max	600	760	b	0.93
	PSL2	L555M*80M	min	555	625	b	-
		L555M*80M	max	705	825	b	0.93

GALVANIZED PIPE



Outer diameter: 1/2"-32"
 Wall thickness: 2.77mm-33mm
 Length range: Minimum 10m
 Standard: GB, ANSI, ASME, ASTM, JIS, DIN, BS, EN
 Steel Grade: Q195/Q215/Q235/Q345/10#/20#/ASTMA106 GRB
 Packaging: Plastic Cap, in bundle
 Zinc content: 170-550g Per M²



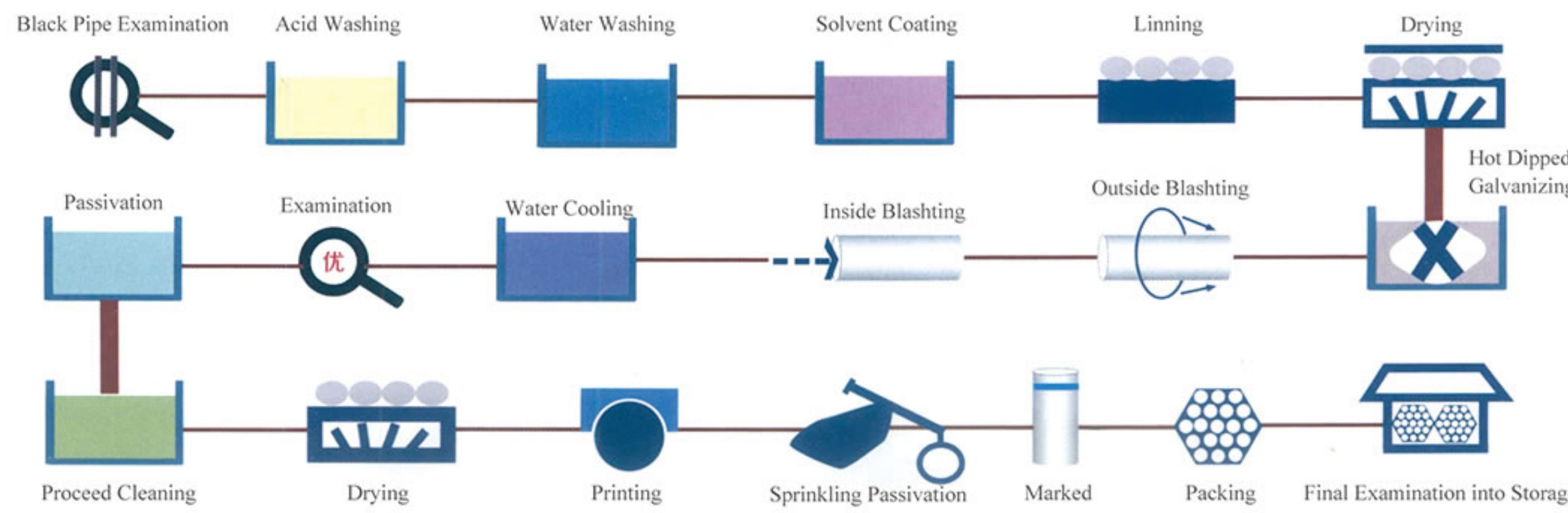
3LPE PIPES



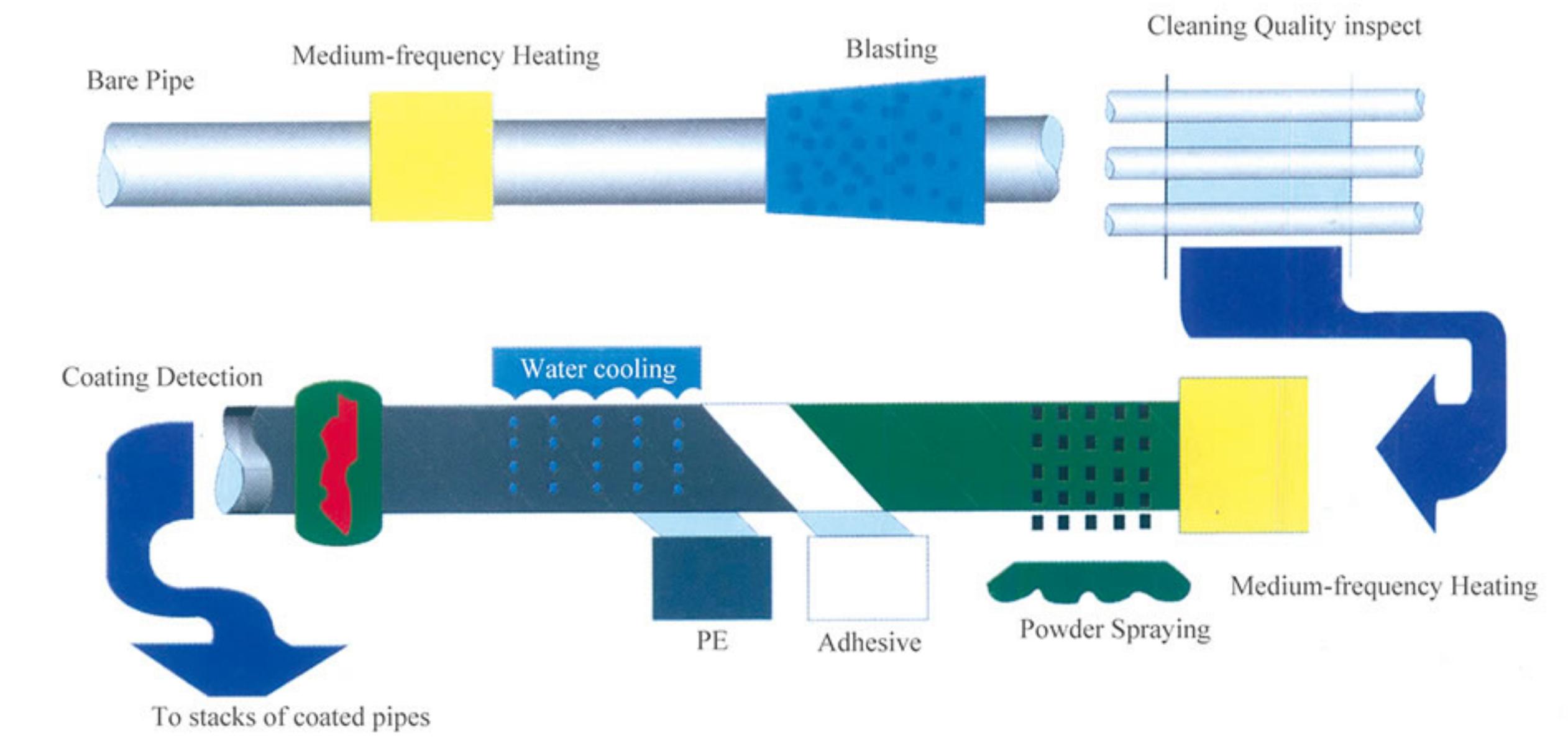
Outer diameter: 1/2"-32"
 Wall thickness: 2.77mm-33mm
 Length range: Minimum 10m
 3LPE Standard: DIN30670 SY/T0413-2002
 3LPE Thickness: 1.8mm 3mm 2.5mm 3mm 4mm etc.



PROCESS FLOW CHART



PROCESS FLOW CHART



TESTING EQUIPMENTS



DM2500M Metallographic microscope



MAXXLMO4 Direct-reading spectrograph



MH2000 Carbon sulfur analyzer



SHT4605 Universal testing machine



HRS-ISO Rockwell hardness tester



20°C-60°C Impact testing machine

QUALITY MANAGEMENT

And so she was approved by famous oil companies such as Shell, Mobil, Total,Petro China, Sinopec, CNOOC ,NPDC,PAVISA,TPOC etc.

Abter Steel insists on his operation concept with “to seek the survival at his quality” and Management objective with

“to focus on customers”. It develops the system and products certification as the propelling force and implements

the quality policy by deepening the total quality management, process approach, continuous improvement of his

product application and enhancement of the customers' satisfaction. It improves the product's stable quality by quality

performance indicators to each individual person and standardization quality management.



MARKETING AND CUSTOMERS

