



SEAMLESS PIPE MANUFACTURER IN THAILAND
Wholly Owned by JOL GROUP(CHINA)



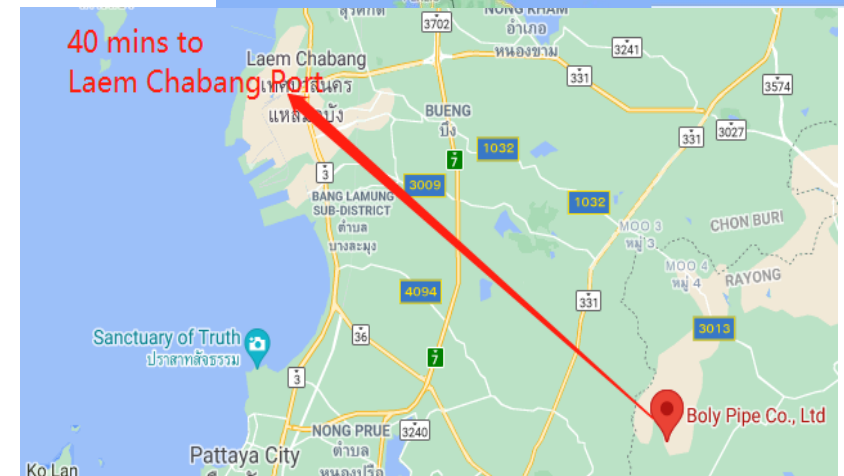
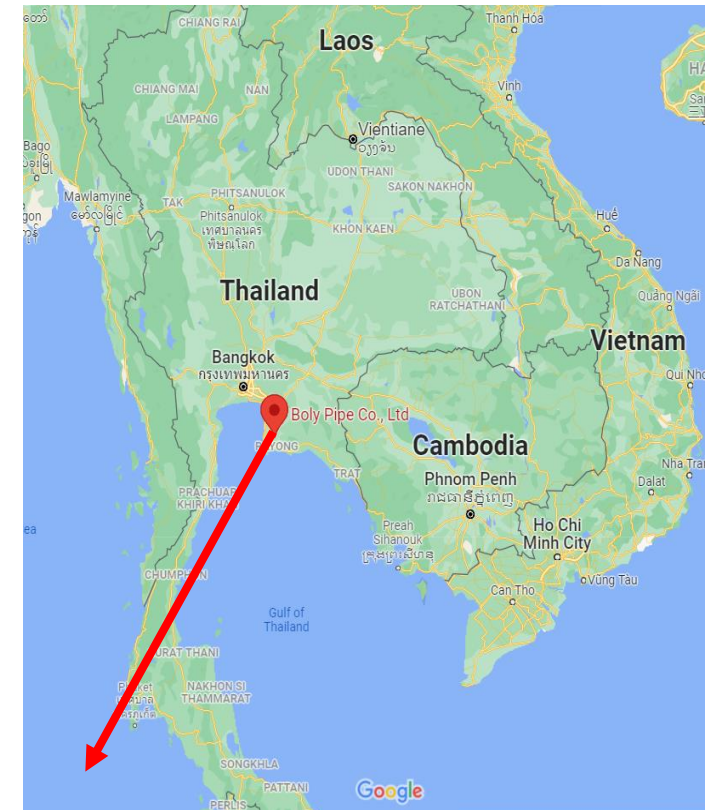
Boly Pipe Co., Ltd.

February, 2023



Who are we?

- ❑ JOL GROUP Holding Company:
JOL(100%)
- ❑ Hot Rolling Seamless Pipe Manufacturer
in ASEAN
- ❑ Fully Processing Manufacturer of
Seamless OCTG and Line Pipe
- ❑ Established in Mar, 2012
- ❑ Shipping Port : Laem Chabang Port , Thailand
Siracha Port, Thailand





SEAMLESS PIPE MANUFACTURER IN THAILAND
Wholly Owned by JOL GROUP(CHINA)

Certificates



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

BOLY PIPE CO.,LTD.

Certification Add.:7/342 M.6, T.Mapyangporm, A.Pluakdaeng, Rayong, Thailand

for the following scope:

Manufacturing of oil pipe, casing pipe, pipeline steel pipe and mechanical structure pipe and related management activities

has implemented and maintains a
Environmental Management System

which fulfils the requirements of the following standard:

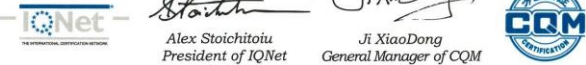
ISO 14001:2015

Issued on:2021-07-03

Expires on: 2024-06-08

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document

Registration Number: CN-00221E32414R2M



Alex Stoichitoiu
President of IQNet

Ji XiaoDong
General Manager of CQM

IQNet Partners*:

AENOR Spain APNOR Certification France APCER Portugal CCC Cyprus CISQ Italy
CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany FCAV Brazil
FONDONORMA Venezuela ICONTEC Colombia Inspecta Sertifiointi Oy Finland INTECO Costa Rica
IRAM Argentina JQA Japan KPC Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland
NYCE-SIGE México PCBC Poland Quality Austria Austria RR Russia SII Israel SIQ Slovenia
SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St. Petersburg Russia TSE Turkey YUQS Serbia
IQNet is represented in the USA by: APNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

BOLY PIPE CO.,LTD.

Certification Add.:7/342 M.6, T.Mapyangporm, A.Pluakdaeng, Rayong, Thailand

for the following scope:

Manufacturing of oil pipe, casing pipe, pipeline steel pipe and mechanical structure pipe

has implemented and maintains a
Quality Management System

which fulfils the requirements of the following standard:

ISO 9001:2015

Issued on:2021-07-03

Expires on: 2025-01-02

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document

Registration Number: CN-00221Q24035R2M



Alex Stoichitoiu
President of IQNet

Ji XiaoDong
General Manager of CQM

IQNet Partners*:

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CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany FCAV Brazil
FONDONORMA Venezuela ICONTEC Colombia Inspecta Sertifiointi Oy Finland INTECO Costa Rica
IRAM Argentina JQA Japan KPC Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland
NYCE-SIGE México PCBC Poland Quality Austria Austria RR Russia SII Israel SIQ Slovenia
SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St. Petersburg Russia TSE Turkey YUQS Serbia
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THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

BOLY PIPE CO.,LTD.

Certification Add.:7/342 M.6, T.Mapyangporm, A.Pluakdaeng, Rayong, Thailand

for the following scope:

Manufacturing of oil pipe, casing pipe, pipeline steel pipe and mechanical structure pipe and related management activities

has implemented and maintains a

Occupational Health and Safety Management System

which fulfils the requirements of the following standard:

ISO 45001:2018

Issued on:2021-07-03

Expires on: 2024-06-08

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document

Registration Number: CN-00221S22137R2M



Alex Stoichitoiu
President of IQNet

Ji XiaoDong
General Manager of CQM

IQNet Partners*:

AENOR Spain APNOR Certification France APCER Portugal CCC Cyprus CISQ Italy
CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany FCAV Brazil
FONDONORMA Venezuela ICONTEC Colombia Inspecta Sertifiointi Oy Finland INTECO Costa Rica
IRAM Argentina JQA Japan KPC Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland
NYCE-SIGE México PCBC Poland Quality Austria Austria RR Russia SII Israel SIQ Slovenia
SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St. Petersburg Russia TSE Turkey YUQS Serbia
IQNet is represented in the USA by: APNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

Certificates(acquired)

CERTIFICATE



Occupational Health and Safety Management System Certificate

Certificate Number:00221S22137R2M

CQM hereby certifies that

BOLY PIPE CO.,LTD.

Unified Social Credit Identifier: 91055541333023
 Domicile:7342 M.6, T.Maryangoon, A.Phakdaeng, Rayong, Thailand
 Certification Add.:7342 M.6, T.Maryangoon, A.Phakdaeng, Rayong, Thailand

the management system conform to

GB/T 45001-2020/ISO 45001:2018

This certificate is valid to the following scope:
 Manufacturing of oil pipe, casing pipe, pipeline steel pipe and mechanical structure pipe and related management activities

(The information of this certificate can be inquired on www.cqm.com.cn or website of CQM. The content validity of the certificate can be checked by Certificate Declaration of our website.)

Ji Xie Dong Issued on: 2021-07-03
 Expires on: 2024-06-08




方圓標認證集團
 China Quality Management System
 CNAS C002-M

AA 0001224

方圓標認證集團
 CHINA QUALITY MANAGEMENT SYSTEM
 CNAS C002-M
 地址：北京中關村海峽路33號 100084 | Address: No.33, Zengguang Road, Haidian District, Beijing, P.R. China (100084)
<http://www.cqm.com.cn>

CERTIFICATE



Environmental Management System Certificate

Certificate Number:00221E32414R2M

CQM hereby certifies that

BOLY PIPE CO.,LTD.

Unified Social Credit Identifier: 91055541333023
 Domicile:7342 M.6, T.Maryangoon, A.Phakdaeng, Rayong, Thailand
 Certification Add.:7342 M.6, T.Maryangoon, A.Phakdaeng, Rayong, Thailand

the management system conform to

GB/T 24001-2016/ISO 14001:2015

This certificate is valid to the following scope:
 Manufacturing of oil pipe, casing pipe, pipeline steel pipe and mechanical structure pipe and related management activities

(The information of this certificate can be inquired on www.cqm.com.cn or website of CQM. The content validity of the certificate can be checked by Certificate Declaration of our website.)

Ji Xie Dong Issued on: 2021-07-03
 Expires on: 2024-06-08




方圓標認證集團
 China Quality Management System
 CNAS C002-M

AA 0003552

方圓標認證集團
 CHINA QUALITY MANAGEMENT SYSTEM
 CNAS C002-M
 地址：北京中關村海峽路33號 100084 | Address: No.33, Zengguang Road, Haidian District, Beijing, P.R. China (100084)
<http://www.cqm.com.cn>

CERTIFICATE



Quality Management System Certificate

Certificate Number:00221Q24035R2M

CQM hereby certifies that

BOLY PIPE CO.,LTD.

Unified Social Credit Identifier: 91055541333023
 Domicile:7342 M.6, T.Maryangoon, A.Phakdaeng, Rayong, Thailand
 Certification Add.:7342 M.6, T.Maryangoon, A.Phakdaeng, Rayong, Thailand

the management system conform to

GB/T 19001-2016/ISO 9001:2015

This certificate is valid to the following scope:
 Manufacturing of oil pipe, casing pipe, pipeline steel pipe and mechanical structure pipe

(The information of this certificate can be inquired on www.cqm.com.cn or website of CQM. The content validity of the certificate can be checked by Certificate Declaration of our website.)

Ji Xie Dong Issued on: 2021-07-03
 Expires on: 2025-01-02




方圓標認證集團
 China Quality Management System
 CNAS C002-M

AA 0003554

方圓標認證集團
 CHINA QUALITY MANAGEMENT SYSTEM
 CNAS C002-M
 地址：北京中關村海峽路33號 100084 | Address: No.33, Zengguang Road, Haidian District, Beijing, P.R. China (100084)
<http://www.cqm.com.cn>



American
Petroleum
Institute



2018-151 | Digital

Certificate of Authority to use the Official API Monogram

License Number: 5L-0956

ORIGINAL

The American Petroleum Institute hereby grants to

BOLY PIPE CO., LTD.
7/342 Moo. 6 T. Marbyangporn
A. Pluakdaeng, Rayong
Thailand

the right to use the Official API Monogram® on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1® and **API-5L** and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram certificate number: **5L-0956**

The American Petroleum Institute reserves the right to revoke this authorization for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following: Manufacturer of Line Pipe SMLS / Delivery Condition: N / Max. Grade: X52, / Delivery Condition: Condition: R / Max. Grade: X52; Manufacturer of Line Pipe Plain End a Condition: N / Max. Grade: X52, / Delivery Condition: Q / Max. Grade: X42

QMS Exclusions: Design and Development

Effective Date: JULY 26, 2019
Expiration Date: OCTOBER 1, 2023

To verify the authenticity of this license, go to www.api.org/compositelist.



American
Petroleum
Institute



2018-151 | Digital

Certificate of Authority to use the Official API Monogram

License Number: 5CT-1513

ORIGINAL

The American Petroleum Institute hereby grants to

BOLY PIPE CO., LTD.
7/342 Moo. 6 T. Marbyangporn
A. Pluakdaeng, Rayong
Thailand

the right to use the Official API Monogram® on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1® and **API-5CT** and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram shall be used in conjunction with this certificate number: **5CT-1513**

The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following: Processor of Casing, Tubing, Coupling Stock, or Accessory Material (Plain End) - J55, PSL 2, - K55, PSL 2, - N80(1), PSL 2, - N80(Q), PSL 2, - P110, PSL 2; Manufacturer of Seamless Casing or Tubing (Plain End) - H40, PSL 1, - J55, PSL 2, - K55, PSL 2, - L80(1), PSL 1, - N80(1), PSL 2, - N80(Q), PSL 2, - P110, PSL 2; Manufacturer of Seamless Casing or Tubing (Threaded and Coupled) - H40, PSL 1, - J55, PSL 1, - K55, PSL 1, - L80(1), PSL 1, - N80(1), PSL 1, - N80(Q), PSL 1, - P110, PSL 1; Pipe Threader

QMS Exclusions: Design and Development

Effective Date: JULY 26, 2019
Expiration Date: OCTOBER 1, 2023

To verify the authenticity of this license, go to www.api.org/compositelist.



Vice President of Global Industry Services

ZERTIFIKAT ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFICAT ◆ 認 証 書 ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFICAT



CERTIFICATE

The Notified Body - 0036 -
of TÜV SÜD Industrie Service GmbH

certifies that

BOLY PIPE Co., Ltd.
7/342 M.6, T. Mpyangon, A. Pluakdaeng,
21140, Rayong, Thailand

has implemented, operates and maintains a

**Quality Assurance System in accordance with the
Pressure Equipment Directive 2014/68/EU, Annex I, Section 4.3,
AD 2000-Merkblatt W 0 as well as EN 764-5, Para. 4.2**

as a material manufacturer for the scope of

seamless pipes in ferritic steels.

The scope of the approval is described in the annex to this certificate.
Further details are mentioned in report no. 274447.

The manufacturer is therefore authorized to issue certificates of specific product control within the
scope of the assessed quality system and in accordance with the Pressure Equipment Directive
2014/68/EU. Possible additional requirements - specific to applied technical specifications to
meet PED Annex I - are not affected.

This certificate is valid through January 2024.

In order to adhere the validity an annual surveillance audit is required.

Certificate No.: DGR-0036-QS-W 674/2015/MUC-001
Munich, January 27th, 2021

Notified Body, No. 0036



(Signature)
(M. Strobel)

Certification Body
Material and Welding Technology



EQ3080986

TÜV SÜD Industrie Service GmbH, Westendstr. 199, 80686 Munich, Germany



ZERTIFIKAT

Die Notifizierte Stelle - Kennnummer 0036 -
der TÜV SÜD Industrie Service GmbH

bescheinigt, dass die Firma

BOLY PIPE Co., Ltd.
7/342 M.6, T. Mpyangon, A. Pluakdaeng,
21140, Rayong, Thailand

als Werkstoffhersteller für

nahtlose Stahlrohre aus ferritischen Stählen

**über ein zertifiziertes Qualitätsmanagementsystem
entsprechend Anhang I, Absatz 4.3 der Druckgeräterichtlinie 2014/68/EU,
AD 2000-Merkblatt W 0 sowie EN 764-5, Absatz 4.2**

verfügt und dieses anwendet.

Der Geltungsbereich ist aus der Anlage ersichtlich.
Weitere Einzelheiten sind im Bericht Nr. 274447 genannt.

Das Unternehmen ist daher berechtigt, in Übereinstimmung mit der Druckgerä-
richtlinie 2014/68/EU Bescheinigungen über spezifische Prüfungen an den Werkstoffen im o.g.
Geltungsbereich auszustellen. Eventuell weitergehende Anforderungen aus den angewandten
technischen Spezifikationen zur Erfüllung des Anhanges I bleiben unberührt.

Das Zertifikat ist gültig bis Januar 2024.

Zur Aufrechterhaltung der Gültigkeit ist ein jährliches Überwachungsaudit erforderlich.

Zertifikat-Nr.: DGR-0036-QS-W 674/2015/MUC-001
München, 27. Januar 2021

Notified Body, Nr. 0036



(Signature)
(M. Strobel)

Zertifizierungsstelle
Werkstoff- und Schweißtechnik



EQ3080986

TÜV SÜD Industrie Service GmbH, Westendstraße 199, 80 686 München, Deutschland

ZERTIFIKAT ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFICAT ◆ 認 証 書 ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFICAT



Certificate

NO.	Grade	Standard	Specification
5	A	ASTM A53	PED 2014/68/EU
	B		
	C		
6	1	ASTM A333	PED 2014/68/EU
	3		
	6		
7	P355N	EN 10216-3	PED 2014/68/EU
8	S235JRH	EN 10210-1	CPR 305/2011/EU
	S275JOH		
	S275J2H		
	S355JOH		
	S355J2H		
	S355K2H		
	S275NH		
	S275NLH		
	S355NH		
	S355NLH		



Certificate

NO.	Grade	Standard	Specification
1	St37	DIN 1629	PED 2014/68/EU
	St44		
	St52		
2	St37	DIN 1629	AD2000-Merkblabt WO
	St44		
	St52		
	P235TR2	EN10216-1	
	P265TR2		
	E355K2		
3	E355+N	EN 10297-1	PED 2014/68/EU
	A	ASTM A106	PED 2014/68/EU
B			
4	C		
	St37	DIN 1629	PED 2014/68/EU

What do we have?

- **Casing**

SPEC: API 5CT 9th Edition

Size: O.D. 4 1/2"-10 3/4"

Grade: J/K55, N80, L80, P110 etc.

PSL 1 & PSL 2

- **Coupling Stock**

SPEC: API 5CT 9th Edition

Size: O.D. 5"-10.625"

Grade: J/K55, N80, L80, P110 etc.

- **Line pipe**

SPEC: API 5L/ASTM/ASME

Size: O.D. 4"-10"

Grade: B/X42, X46, X52, X65, X70, X80

PSL 1 & PSL 2

- **Structure & Mechanical Pipe**

SPEC: DIN 1629; EN 10210-1



OCTG ○ API Products

Yield Strength (Ksi)	Tensile Strength Min(Ksi)	Grade
55~80	75	J55
55~80	95	K55
80~95	95	L80-1
80~95	100	N80
110~140	125	P110
110~125	125	CY P110
125~140	130	HCP P110



SEAMLESS PIPE MANUFACTURER IN THAILAND
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Line Pipe

Standard: API 5L , ASTM A106/ASMT A53

Nominal Size	Wall Thickness		Weight Class	Schedule NO.
	in.	mm		
4" (4.500"/114.3mm)	0.237	6.02	STD	40
	0.250	6.35		
	0.281	7.14		
	0.312	7.92		
	0.337	8.56	XH	80
	0.438	11.13		120
	0.531	13.49		160
5" (5.563"/141.3mm)	0.258	6.55	STD	40
	0.281	7.14		
	0.312	7.92		
	0.344	8.74		
	0.375	9.52	XH	80
	0.500	12.7		120
6" (6.625"/168.3mm)	0.250	6.35		
	0.280	7.11	STD	40
	0.312	7.92		
	0.344	8.74		
	0.375	9.52		
	0.432	10.97	XH	80
	0.562	14.27		120
	0.719	18.26		160

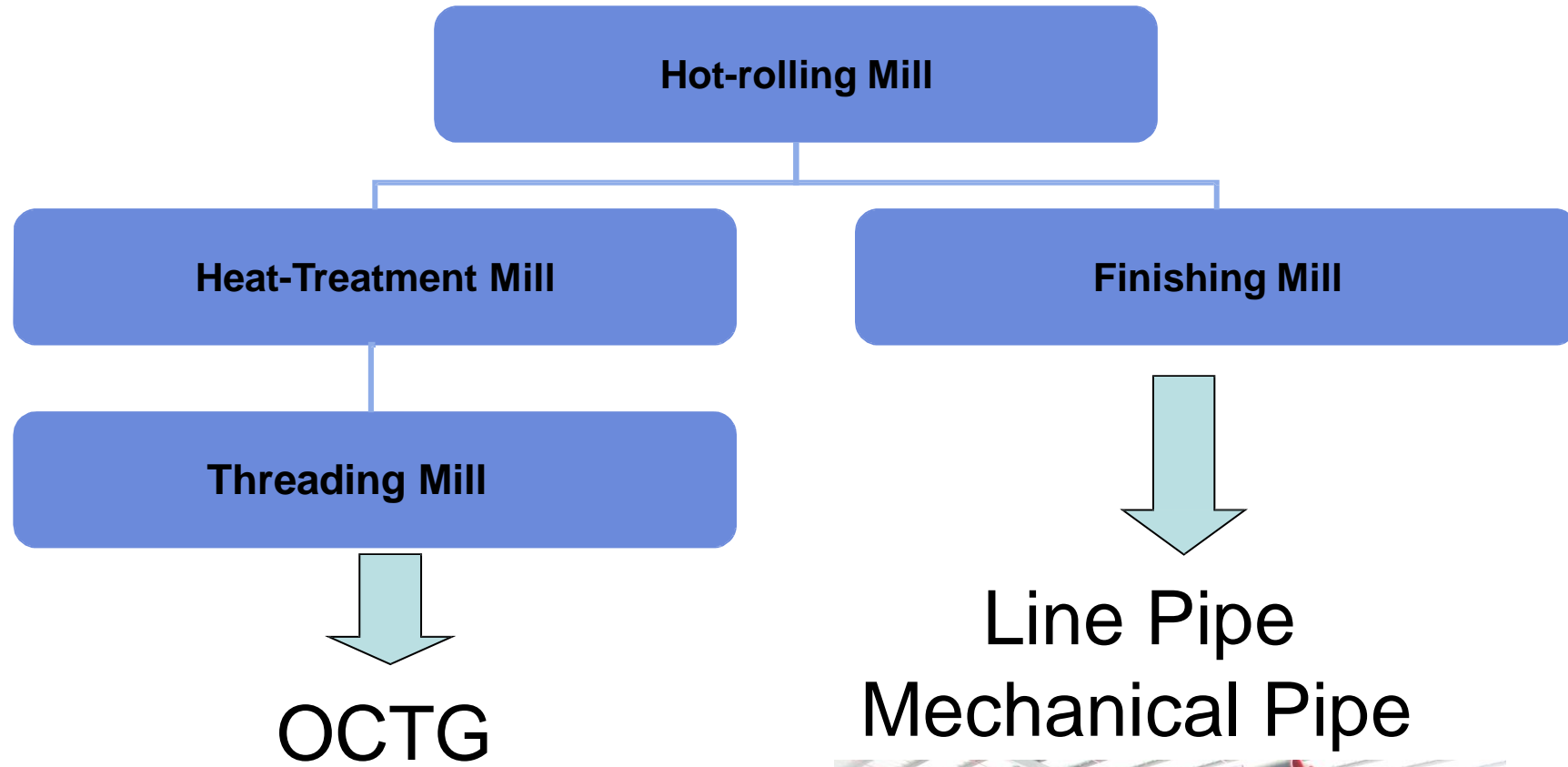


SEAMLESS PIPE MANUFACTURER IN THAILAND
 Wholly Owned by JOL GROUP(CHINA)

Line Pipe

Standard: API 5L , ASTM A106/ASMT A53

Nominal Size	Wall Thickness		Weight Class	Schedule NO.
	in.	mm		
8"(8.625"/219.1mm)	0.277	7.04		
	0.312	7.82		
	0.322	8.18	STD	40
	0.344	8.74		
	0.375	9.53		
	0.406	10.31		60
	0.438	11.13		
	0.500	12.7	XH	80
	0.594	15.09		100
	0.719	18.26		120
	0.812	20.62		140
	0.875	22.22	XXH	
0.906	23.01		160	
10"(10.750"/273.0mm)	0.307	7.8		30
	0.344	8.74		
	0.365	9.27	STD	40
	0.438	11.13		
	0.500	12.7	XH	60
	0.594	15.09		80
	0.719	18.26		100
	0.844	21.44	XXH	120
	1.000	25.4		140





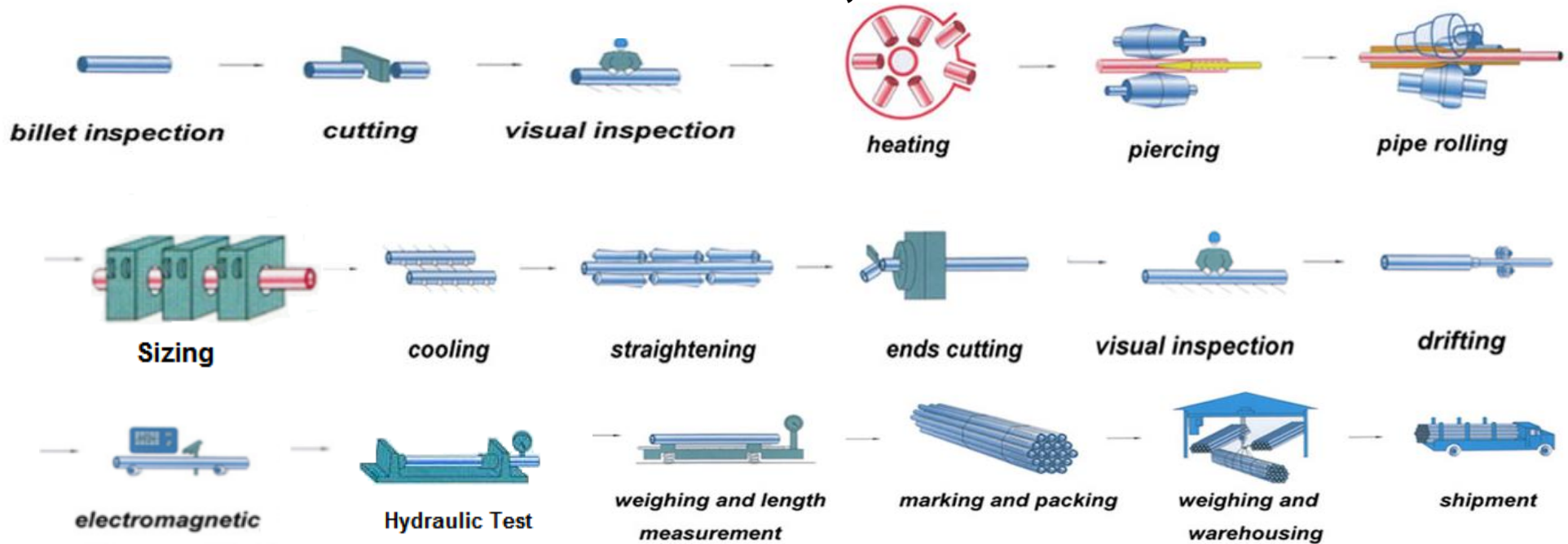
SEAMLESS PIPE MANUFACTURER IN THAILAND
Wholly Owned by JOL GROUP(CHINA)

Hot-rolling Mill



**Annual Capacity:
200,000MT**

ACCU-ROLL hot rolling line: 200,000MT/Year



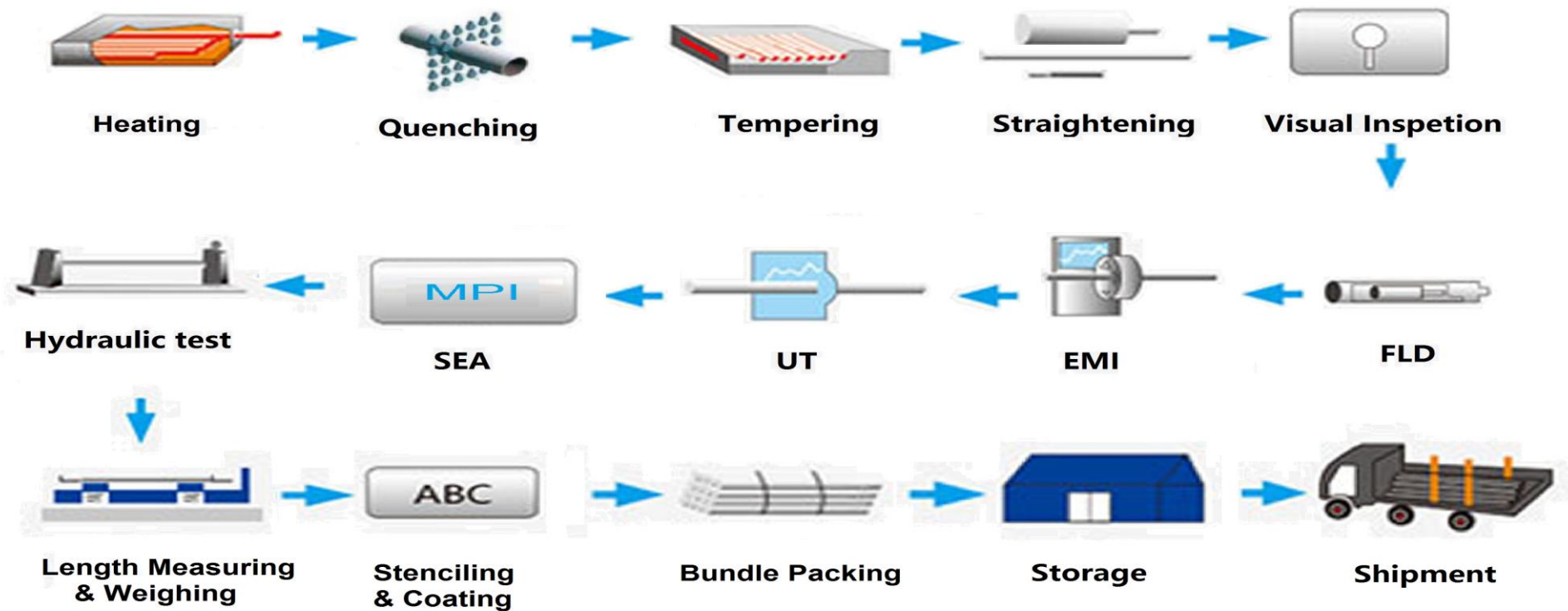
Heat-Treatment Mill



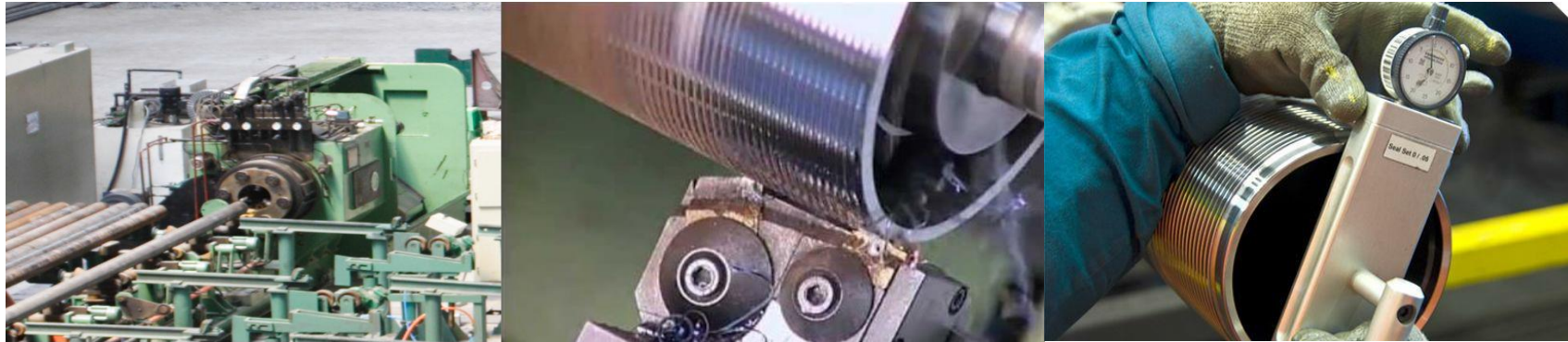
Φ 273 HT Line & Φ 114 HT Line

- ◆ Size range: 2 7/8" – 10 3/4"
- ◆ Walking Beam Quenching & Tempering Furnaces
- ◆ Natural Gas Heating
- ◆ Application: Alloy Steel Upgrade
- ◆ Annual Capacity: 130,000.00MT

Heat treatment line: 130,000MT /Year



End-Finishing Mill



◆ **Three Threading Lines --- 2 7/8" – 10 3/4"**

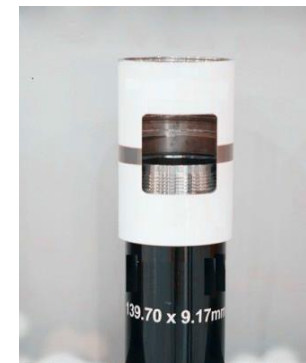
API Connection: STC LTC BTC

Premium Authorized Connection:
BGT2 By Baosteel / GeoConn By Metal-One

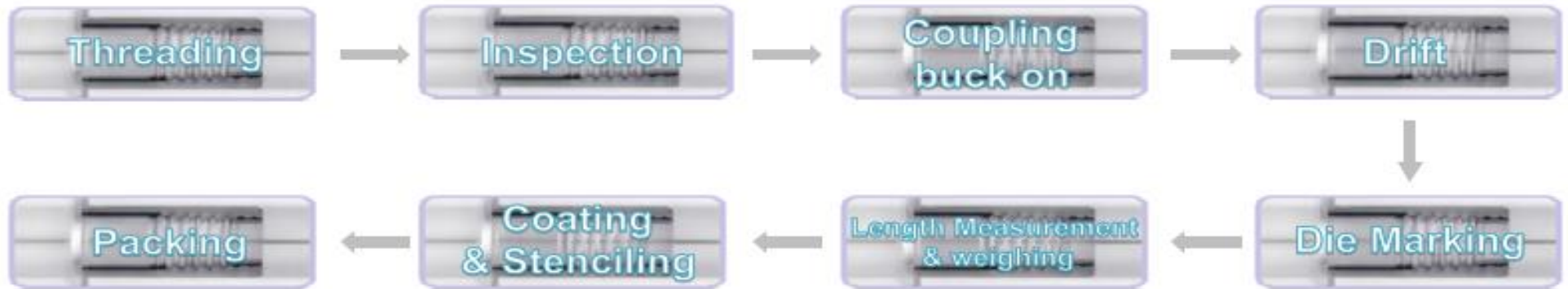
Annual Capacity: 130,000MT

◆ **One Finishing Line --- 4" – 10"**

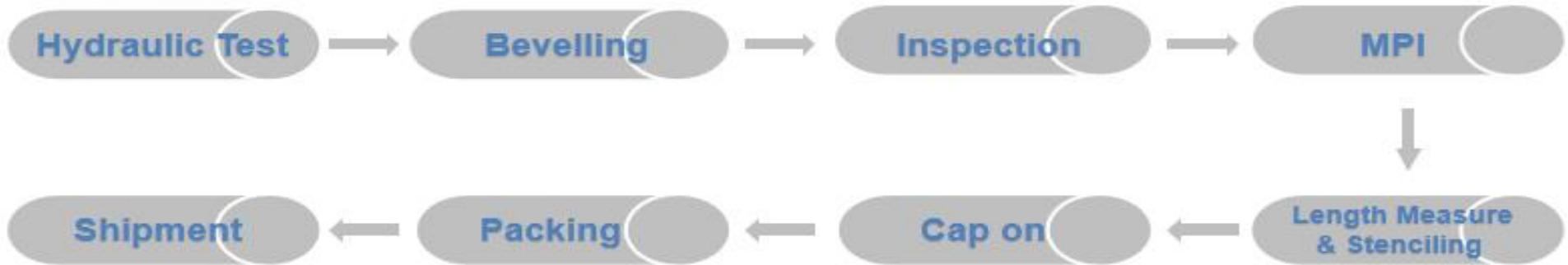
Annual Capacity: 80,000MT



Threading line



Finishing line



OCTG Premium Products

○ Premium Connections

➤ BG Premium Connections

BGT2 for Tubing & Casing

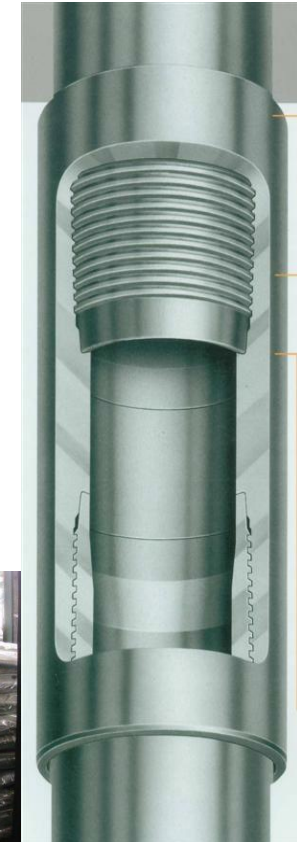
CAL IV test certificate issued by S-FER Canada

➤ BG Economical Premium Connections

BG-PC (Casing)

BG extreme Line: BGXC Fast

Make-up: BHC



OCTG

○ Geoconn Casing Connection

➤ Design Features

Pin Abutment results in high resistance to over-torque, more than 3 times as high as API Buttress.

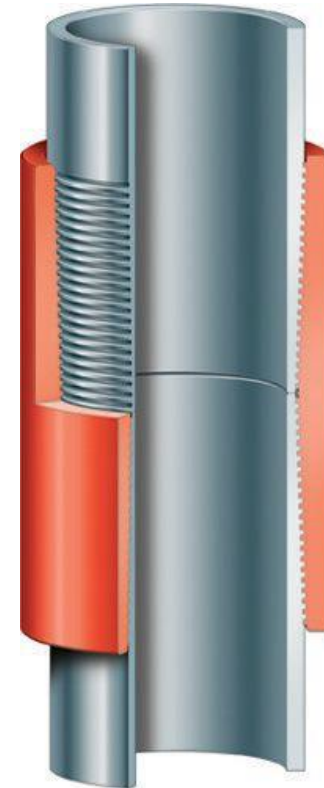
Gas-tight seal under compression, mill end is made up further than field end to avoid mill end rotation when make up field end.

➤ Application

Casing for Geothermal Wells

Casing for Heavy Oil Recovery such as SAGD

Drilling with Casing



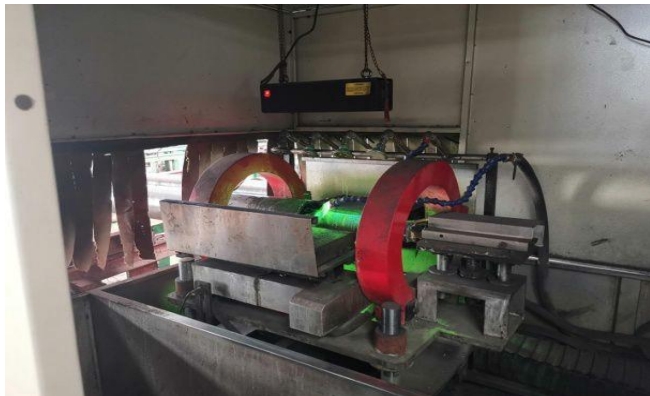
QC--NDT



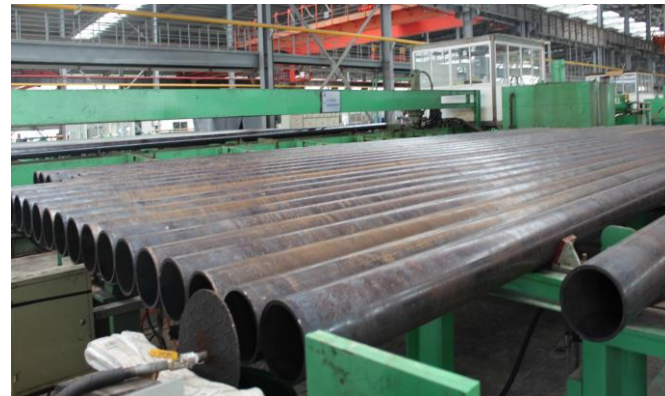
EMI



UT



SEA/MPI



Hydraulic Test

QC-- Size and Surface Inspection



OD Inspection



WT Inspection



Straightness Inspection



Surface Visual Inspection

QC-- Drift Inspection



Full Length Drift



Drift bar checking



Box end Drift



Drift bar Checking

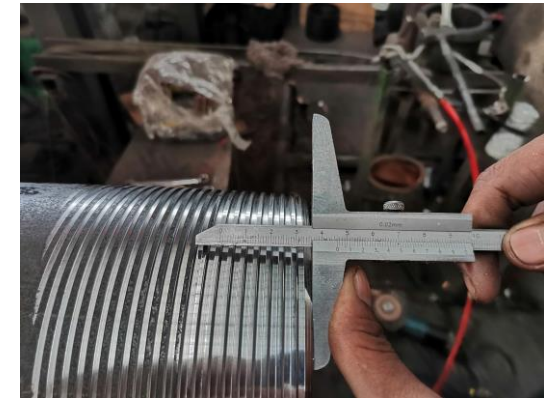
QC--Thread Inspection



Check gauge



Thread inspection



Thread inspection

QC--Lab Test



Tensile Strength



Tensile properties



Charpy V-notch test

QC--Delivery



Storage



Loading



Trucking



Arrived in the warehouse



SEAMLESS PIPE MANUFACTURER IN THAILAND
Wholly Owned by JOL GROUP(CHINA)

Main Customers



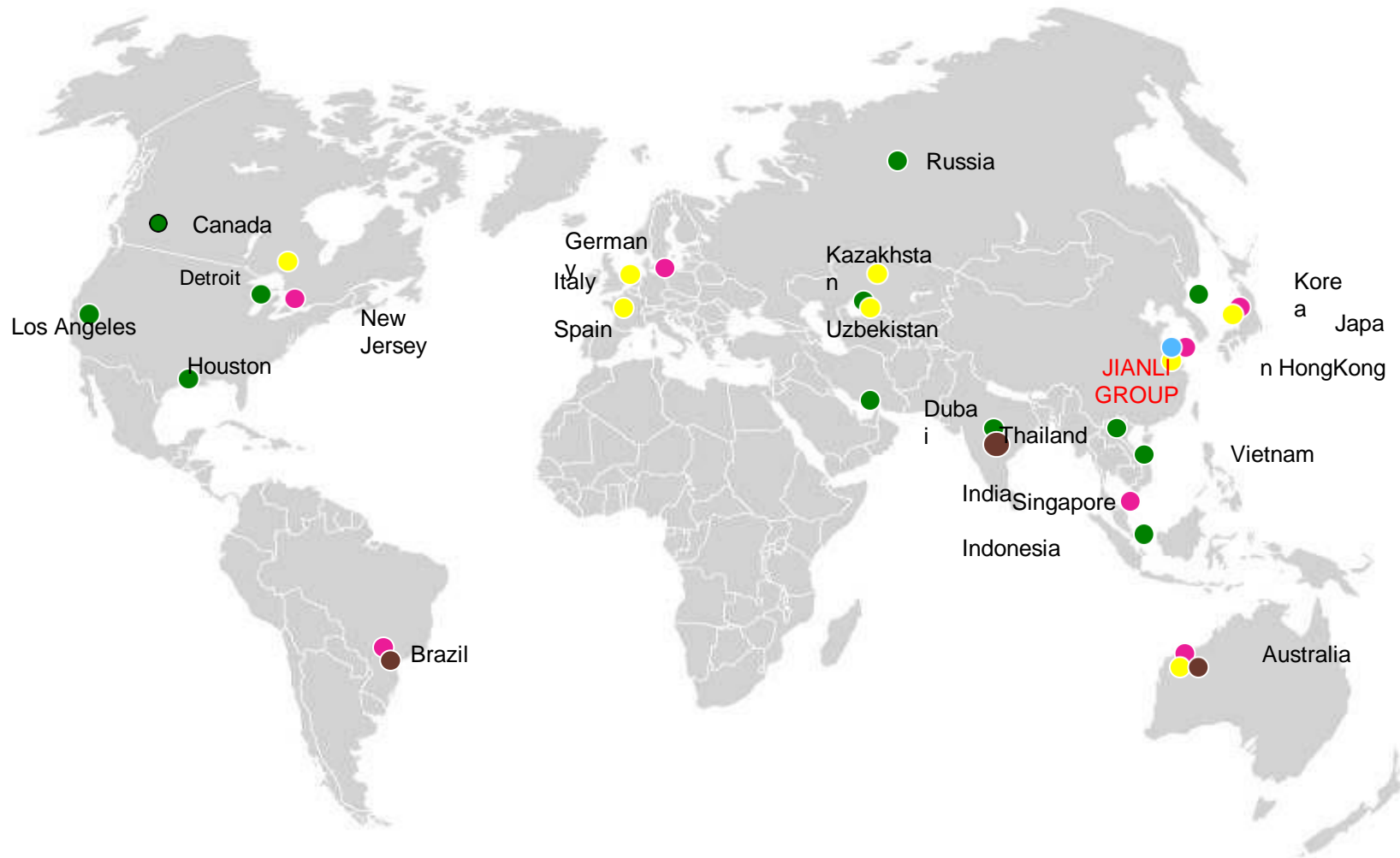
PTTEP



CROWNQUEST



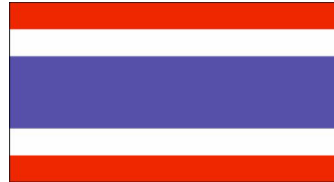
Global Sales and Service Network





SEAMLESS PIPE MANUFACTURER IN THAILAND
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