

OCTG

Oil Country Tubular Goods



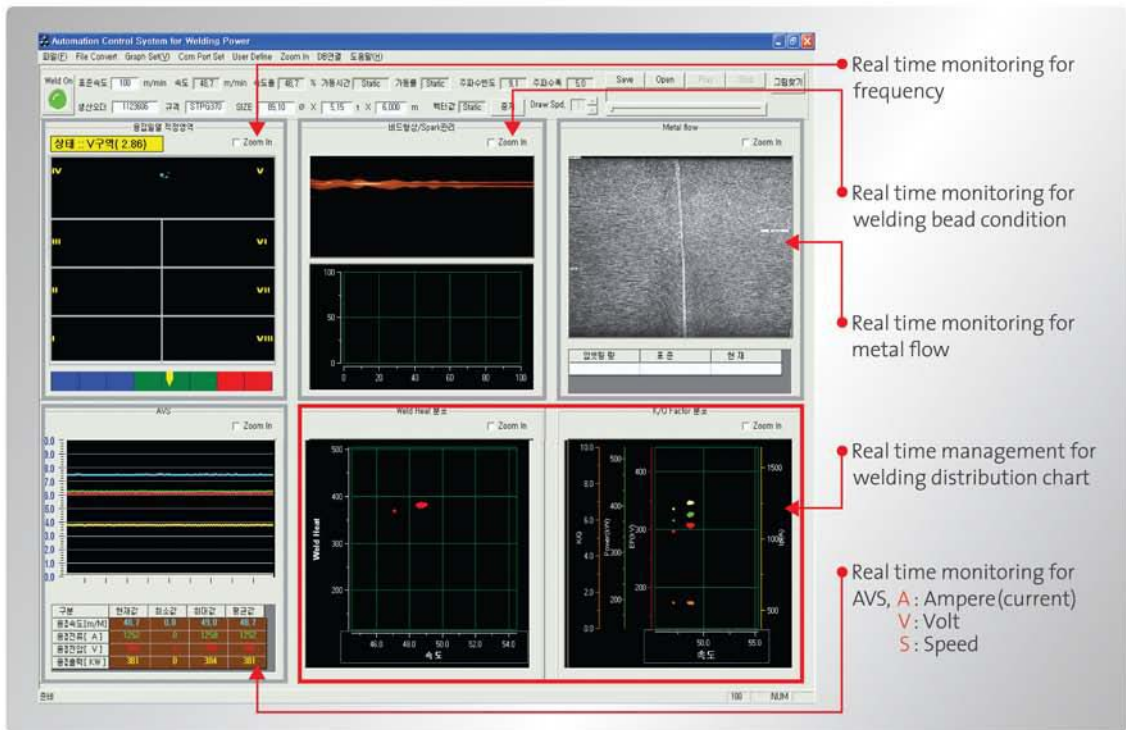
SēAH Steel

High Quality, High Performance OCTG Products

SeAH Steel, a leading API licensed producer of casing and tubing products utilizes the most modern and sophisticated ERW welding, inspection, heat-treating and threading processes available today. These processes are controlled and monitored by SeAH Steel's API Q1 Program to assure consistently produced product for high performance applications down-hole.

High Frequency Electric Resistance Welding – Process Control

The production of high quality tubulars starts with careful control of the welding process. SeAH Steel utilizes state-of-the-art ultrasonic monitoring to control the weld quality and assures consistently high quality products.



▲ Welding Condition Monitoring and Controlling System completes the weld seam part and secures highest quality.

Quenching & Tempering Line



Induction Quench and Temper Facility

A new induction quench and temper facility; with the associated sizing, straightening, inspection and testing equipment was recently commissioned to provide SeAH Steel with the most modern heat treating facility worldwide.



▲ Quenching & Tempering



▲ Quenching



▲ Tempering

High Performance Tubulars

In today's applications where deeper and hotter oil and gas wells are being drilled and completed, the need for high performance, high collapse casing is critical. SeAH Steel's new heat treating facility utilizes state of the art controls together with hot sizing to produce high collapse and enhanced performance tubulars.

A new metallurgical laboratory and test facility provide the most modern techniques available. Precision non-contact dimensional measuring equipment (OPMS) and collapse testing in compliance with API TR 5C3 are utilized to provide the quality assurance controls necessary for the consistent production of these high performance tubulars.



▲ Outside diameter
Precision Measurement System



▲ Collapse Tester



▲ Burst Tester

► Hot Sizing ► Air Cooling ► OPMS ► Hydrostatic Test



Non-Destructive Inspection

Critical oil and gas drilling and completion demands modern and efficient inspection of OCTG. SeAH Steel utilizes computerized ultrasonic (UT) inspection during the welding process as process control and additionally performs full-length weld seam or full body inspections as API and customer specifications dictate. Pipe ends are also inspected, utilizing Wet Magnetic Particle techniques.



▲ Seam UT



▲ Full body UT



▲ Magnetic Particle Inspection

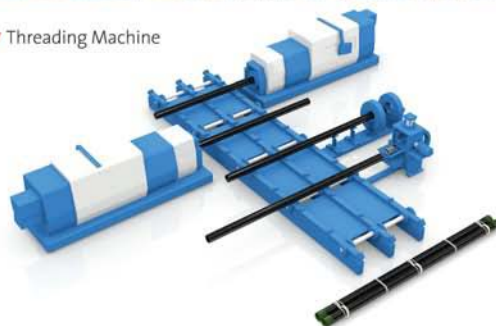
Threading

SeAH Steel operates several numerically controlled (NC) lathes to provide precision control and reproducibility of thread dimensions. As an API licensed pipe producer, SeAH Steel threads and performs the ancillary threading operations (hydrostatic testing and thread inspection) to assure complete compliance with API Specification 5B as well as proprietary thread specifications.



Size Range	Line	Annual Capacity
4 1/2" ~ 5 1/2"	1(2Head)	30,000MT
4 1/2" ~ 13 3/8"	1(2Head)	50,000MT
7" ~ 20"	1(2Head)	100,000MT

▼ Threading Machine



→ Full body UT → Pipe End MT, UT → Mill Coating → Inspection / Packing

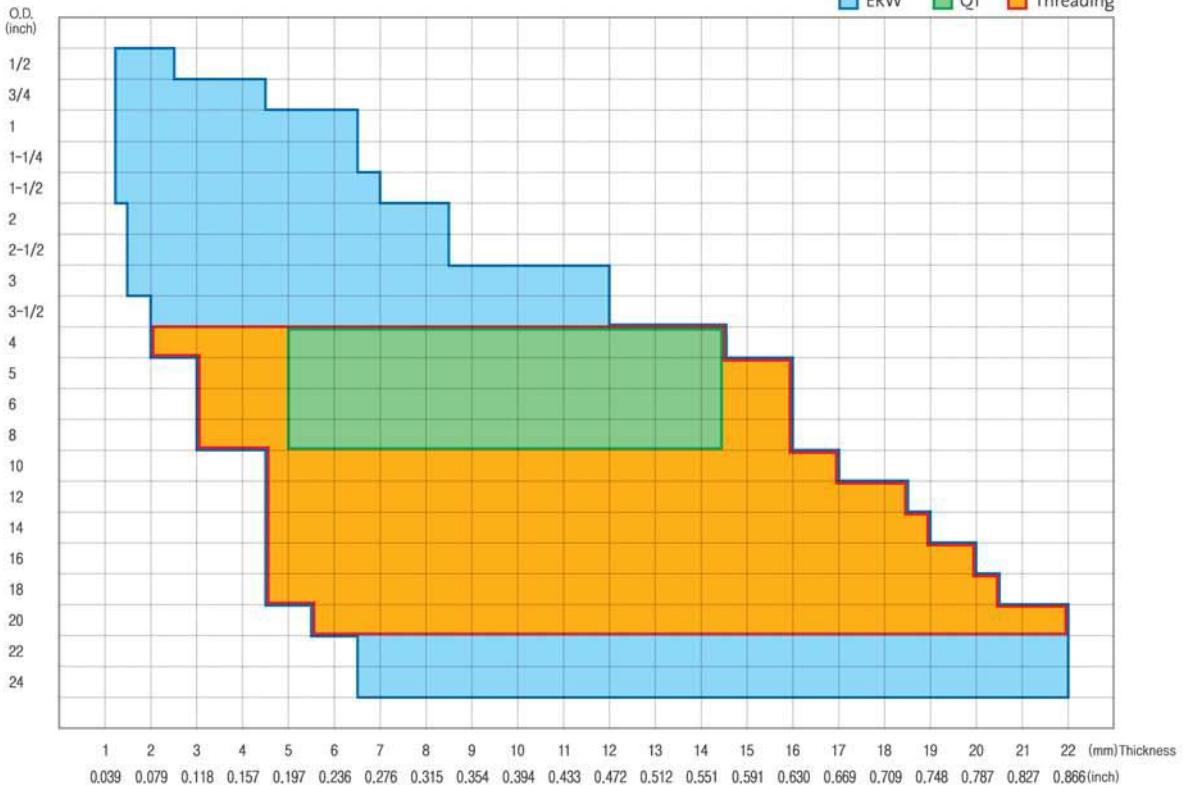


Size Range

GRADE	OUTSIDE DIAMETER (Inch)																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
H40	1.050" TO 20"																			
J55	1.050" TO 20"																			
K55				3.1/2" TO 20"																
SEAH80/90				3.1/2" TO 20"																
N80	1.050" TO 7"																			
N80Q					4.1/2" TO 9.5/8"															
L80					4.1/2" TO 9.5/8"															
L80*HC					4.1/2" TO 9.5/8"															
Q125					4.1/2" TO 9.5/8"															
P110					4.1/2" TO 9.5/8"															
P110*HC					4.1/2" TO 9.5/8"															

(HC : High Collapse)

ERW QT Threading





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