



# JCO PIPE - SAWL

Pánuco Plant - Mill 6

[www.tubacero.com](http://www.tubacero.com)

Pánuco Plant - Mill 6 specializes in the production of carbon steel pipe with longitudinal welded seam by submerged arc (JCO), in diameters from 18 to 60 inches and wall thicknesses from 3/8" up to 2.5" for the oil and gas market, with a special focus on deep water and structural pipe for the manufacture of offshore platforms.

It has a production capacity of 280,000 metric tons, as part of the 1 million metric tons of Tubacero's total annual installed capacity.

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## CUTTING-EDGE TECHNOLOGY

PROCESS TYPES:

- EDGE MILLING
- EDGE PRE-BENDING
- FORMING PROCESS (JCO)



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## SAWL PROCESS

- TACK WELDING
- INTERNAL SUBMERGED ARC WELDING
- EXTERNAL SUBMERGED ARC WELDING

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## MECHANICAL EXPANSION

This process mechanically expands the pipe, achieving an optimal dimensional condition for the circumferential welding process in the field.

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## BEVELING

Pipe end preparation for field Girth Weld.

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## FINAL TESTS

- HYDROSTATIC TEST
- X-RAYS
- ULTRASONIC TEST
- FINAL DIMENSIONAL & VISUAL INSPECTION





## EXTERNAL SURFACE COATING

Types of anticorrosive coatings:

**FBE:** Fusion Bonded Epoxy.

**FBE DUAL:** 2-Layer; Fusion Bonded Epoxy and abrasive resistant for high temperatures.

**3LPE:** 3-layer polyethylene system.

**3LPP:** 3-layer polypropylene system.

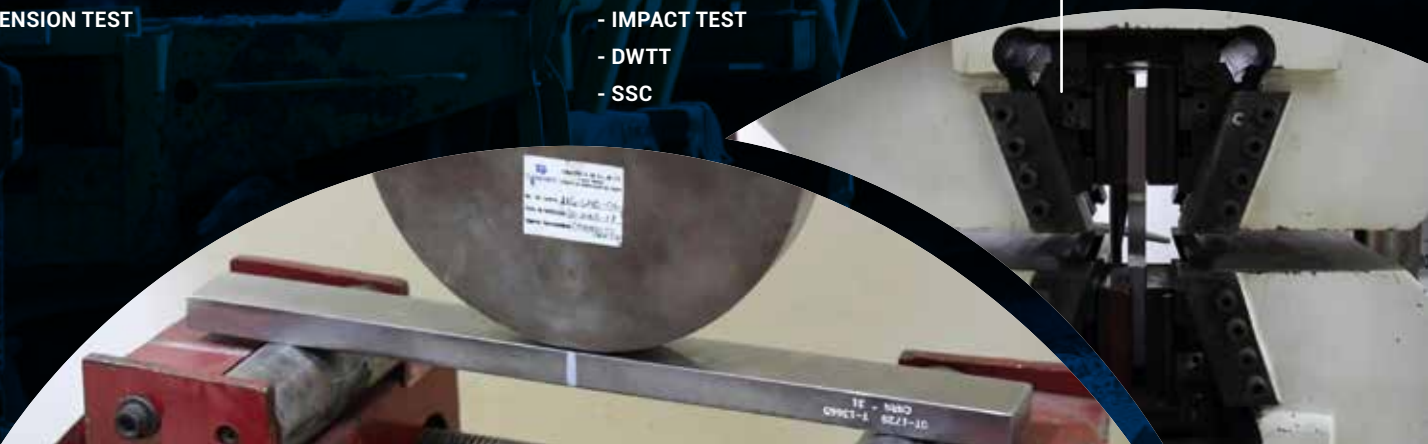
## COATING QUALITY ASSURANCE

100% of the pipes are inspected including the coating thickness; appearance and electrical test are performed to detect discontinuities.

## SPECIALIZED LABORATORIES

Tubacero's laboratories are ISO-17025 accredited and have the equipment to perform all the necessary tests for pipe certification, for example:

- HIC
- METALLOGRAPHIC EVALUATION
- CHEMICAL ANALYSIS
- COATING TENSION TEST
- PIPE TENSION TEST
- GUIDED BEND TEST
- HARDNESS
- IMPACT TEST
- DWTT
- SSC



# TRANSPORTATION

84 hectares for pipe ready to ship.



## MILL 6 - SAWL

N.P.S.		WALL THICKNESS																		
Inches	mm	0.437	0.500	0.625	0.750	0.875	1.000	1.125	1.250	1.375	1.500	1.625	1.750	1.875	2.000	2.125	2.250	2.375	2.500	
18	457.0																			
20	508.0																			
22	558.8																			
24	609.6																			
26	660.4																			
28	711.2																			
30	762.0																			
32	812.8																			
34	863.6																			
36	914.4																			
38	965.2																			
40	1016.0																			
42	1066.8																			
44	1117.6																			
46	1168.4																			
48	1219.2																			
50	1270.0																			
52	1320.8																			
54	1371.6																			
56	1422.4																			
58	1473.2																			
60	1524.0																			

X- 52 X- 65 X- 70 X- 80

### Pipe

Steel Grade (API) Up to X100  
 Process SAWL  
 Annual Installed Capacity 280,000 MT  
 Diameters 18" – 60"  
 Wall Thickness Up to 2.500"  
 Lengths 12 m

### Coating

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 350 m<sup>2</sup> / hr  
 12.750" – 48"  
 Up to 1.500"  
 12 m



## Tubacero

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