

## UOE Double Submerged Arc Welded (DSAW Pipe)

Our well-proven UOE process incorporates the world's strongest edge forming and "O" press combinations. This allows us to produce high-performance thick-walled pipe from 16 inches to 44 inches outside diameter. The process also maintains the tightest tolerances – resulting in linepipe that offers distinct project advantages.



Our UOE DSAW mill process ensures pipe properties suitable for most pipeline applications including deepwater scenarios. Following double submerged arc welding, pipe is mechanically expanded and can be produced in a wide range of sizes. We are the only European manufacturer capable of offering both 16 inch and 18 inch DSAW pipe.

With the option to source plate either from Tata Steel's own plate mills or from other quality suppliers, Tata Steel is able to provide the best technical solution to meet customers' bespoke project requirements. This top quality feedstock and the achievement of extremely tight tolerances for circumferential welding contribute to the outstanding performance of our end product. Weld seam ultrasonic testing and x-ray radiography (prior to expansion and post-expansion) are among a battery of tests incorporated in the process.

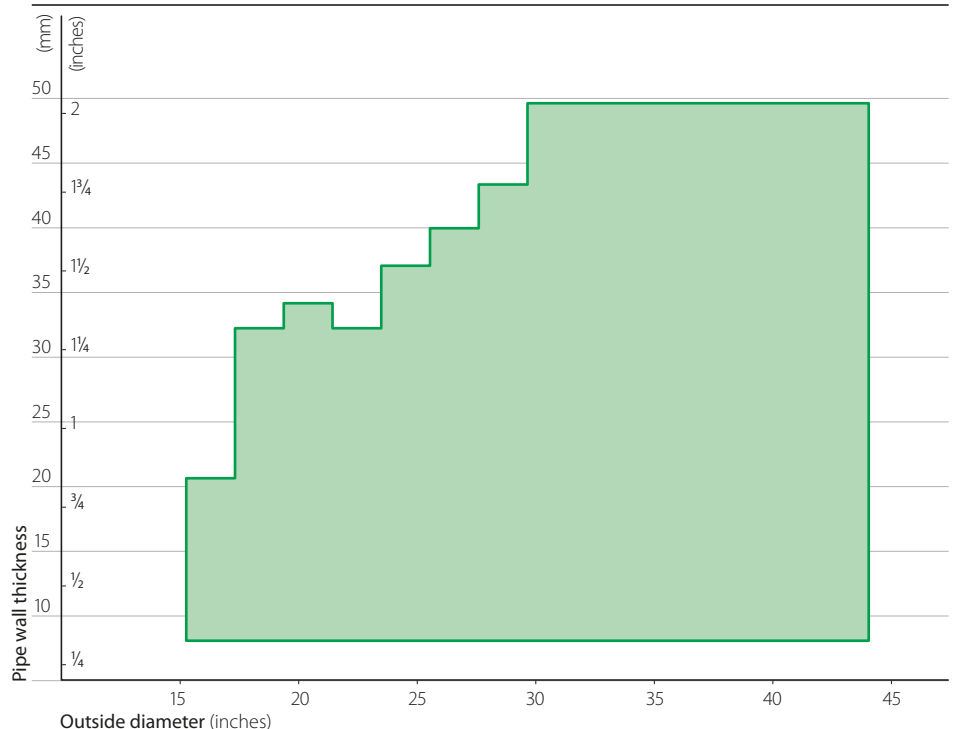
### Our UOE process delivers outstanding linepipe properties and performance:

- Thick-walled pipe with exceptional collapse resistance
- Inherent fatigue resistance as a result of the world's tightest concentricity control and end shape tolerances
- Pipe that withstands extremes of temperature

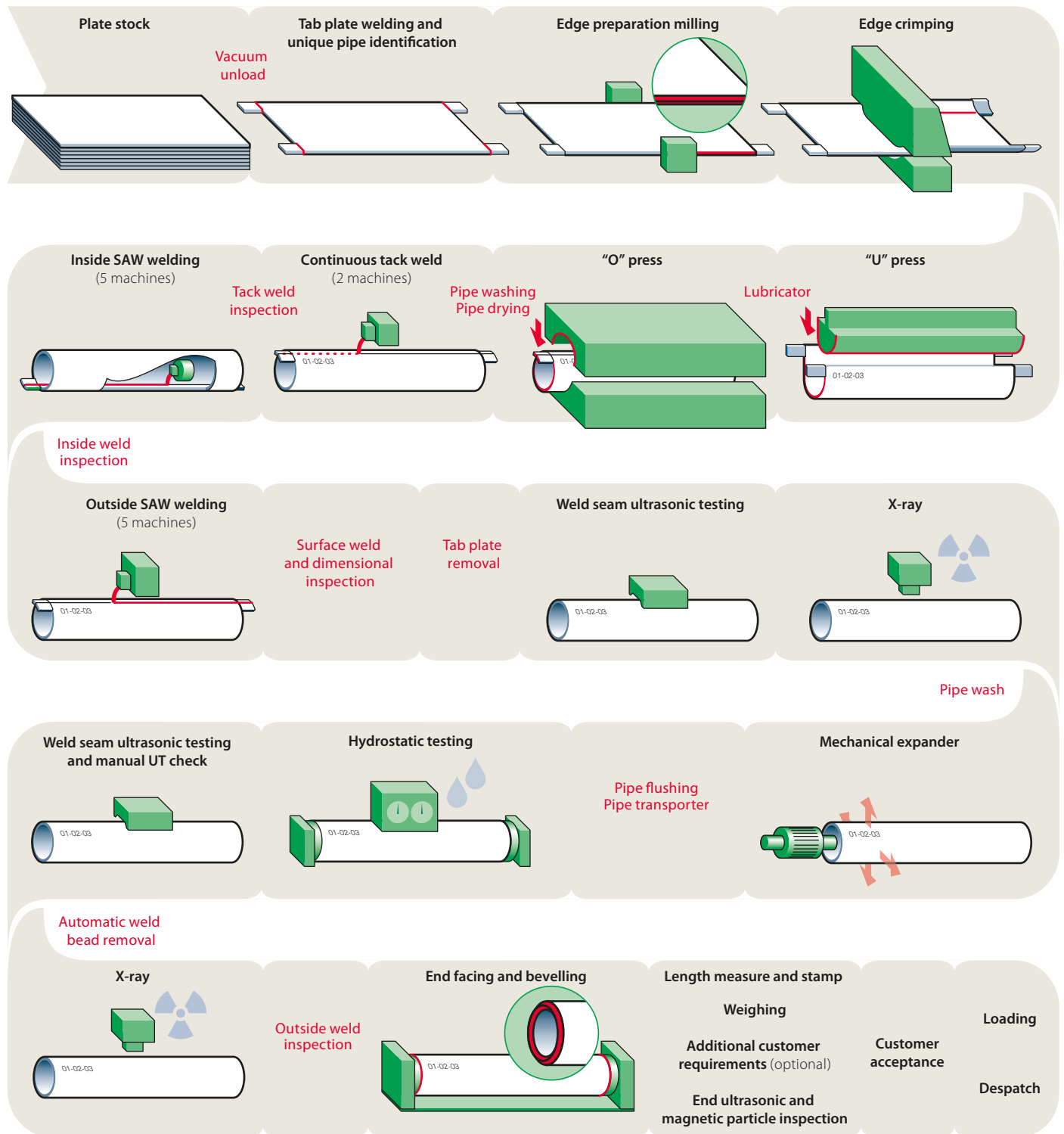
### Our UOE process also offers customers a wide choice and programme benefits:

- Extensive choice of outside diameter and wall thickness combinations
- Excellent pipe tolerances for good lay rates and optimum design
- Thick-walled linepipe that can be reeled
- Fast size changes within industrial scale production to meet project demands
- Linepipe for sweet and sour applications
- On-site internal and external coating facilities

Wall thickness versus outside diameter capabilities of UOE DSAW pipe



## UOE DSAW pipe mill process route



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