

UOE Pipe Mill

UOE Pipe is manufactured in two works, West Japan Works (Fukuyama) and East Japan Works (Chiba). This flow diagram is an example of Fukuyama mill. Each plate is subjected to ultrasonic inspection as deemed necessary before being transferred to the pipe mill. In the pipe mill, plate is trimmed and beveled on both longitudinal edges, then processed into a cylindrical shape by crimping, U-ing and O-ing press successively. The open can is washed inside and outside with high pressure water, then dried. Next it is passed to continuous tack welding facilities.

Subsequently, the seam is welded by automatic four-electrode submerged arc welding method first on the inside, then on the outside.

The following step in the pipe fabrication process includes mechanical expansion and hydrostatic testing. The welded seam is inspected ultrasonically and radiographically. JFE also manufactures high grade line pipe, structural pipe and stainless steel pipe. If necessary, heat treatment is applied to pipes including quenching and tempering, normalizing, stress relieving and solution treatment.

Location	Capacity (t./yr.)	Size Range		
		OD	WT	Length
Fukuyama	580,000	15.7~56in. (400.0~1422.0mm)	0.236~2in. (6~50.8mm)	Max. 60ft (Max. 18.3m)
Chiba	540,000	20~64in. (508.0~1626.0mm)	0.250~1.75in. (6.35~44.5mm)	Max. 60ft (Max. 18.3m)

Fukuyama UOE Pipe

