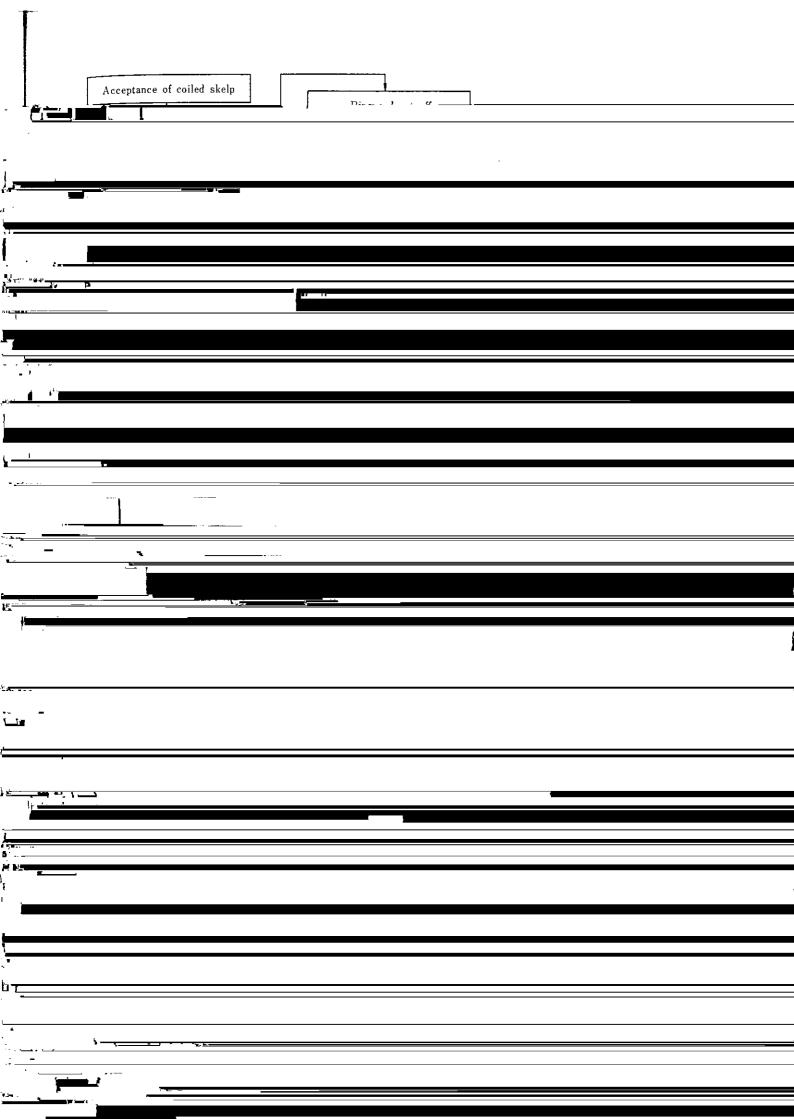
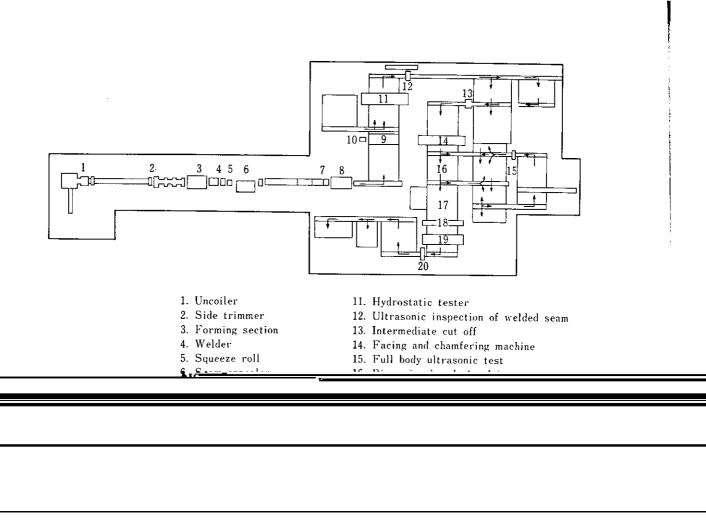
KAWASAKI STEEL TECHNICAL REPORT No.2 (March 1981)

An Outline of 26-inch Mill and Quality of Pipes

Toshihisa Tamura, Yasutoshi Hosokawa, Yuzo Yoshimoto, Fumiaki Ode, Hiroaki Kondo, Masao Kurosaki, Iwaki Sugimoto

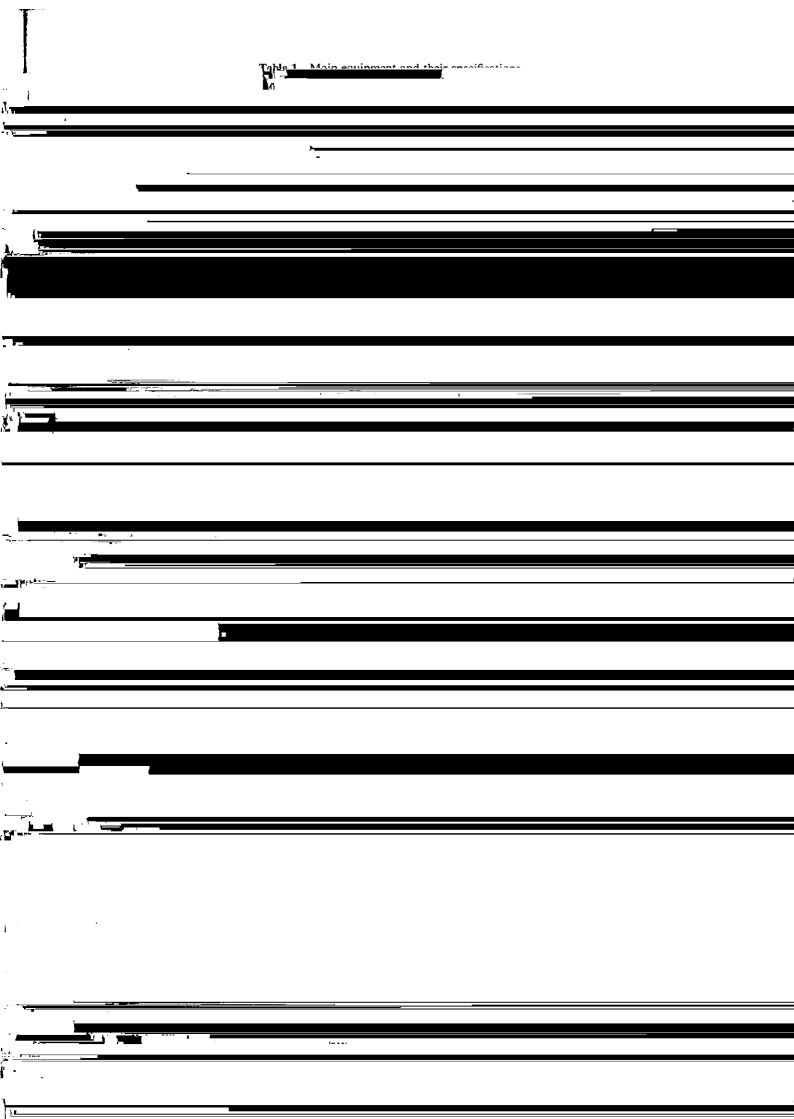
White te of the till and one the of Dinos* Yasutoshi HOSOKAWA ** Toshihisa TAMURA** Yuzo YOSHIMOTO ** Fumiaki ODE ** Hiroaki KONDO ** Masao KUROSAKI *** A 26-inch ERW mill, one of the largest of its kind in the world, has been satisfactorily





- 8. Rotary cut-off machine
- 9. Pipe end cut-off machine
- 10. Flatteging tester
- 18. Weighing machine
- 19. Marking machine
- 20 Anti rost continu manhima

Fig. 2 Layout of 26" ERW pipe mill



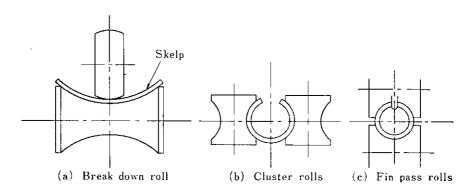


Fig. 4 Forming roll of conventional system

allow the introduction of automatically controlled into pipes at room temperature, there is the conven-

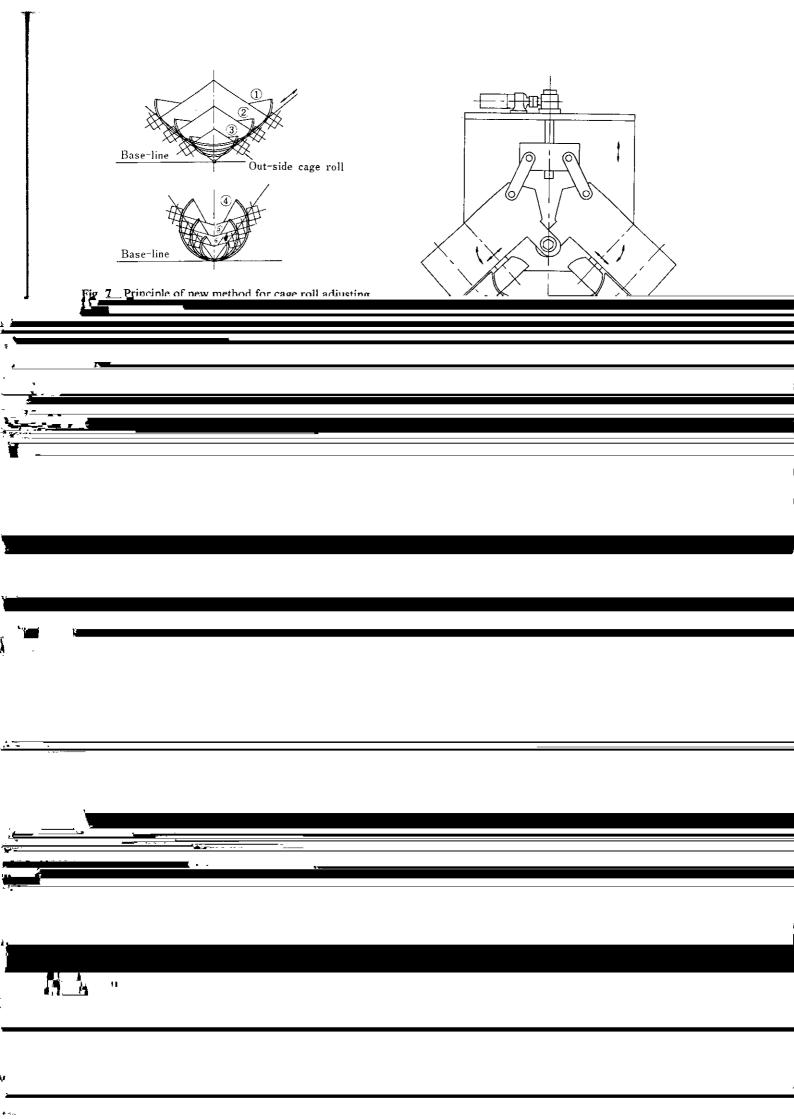
this equipment are described in the following sections.

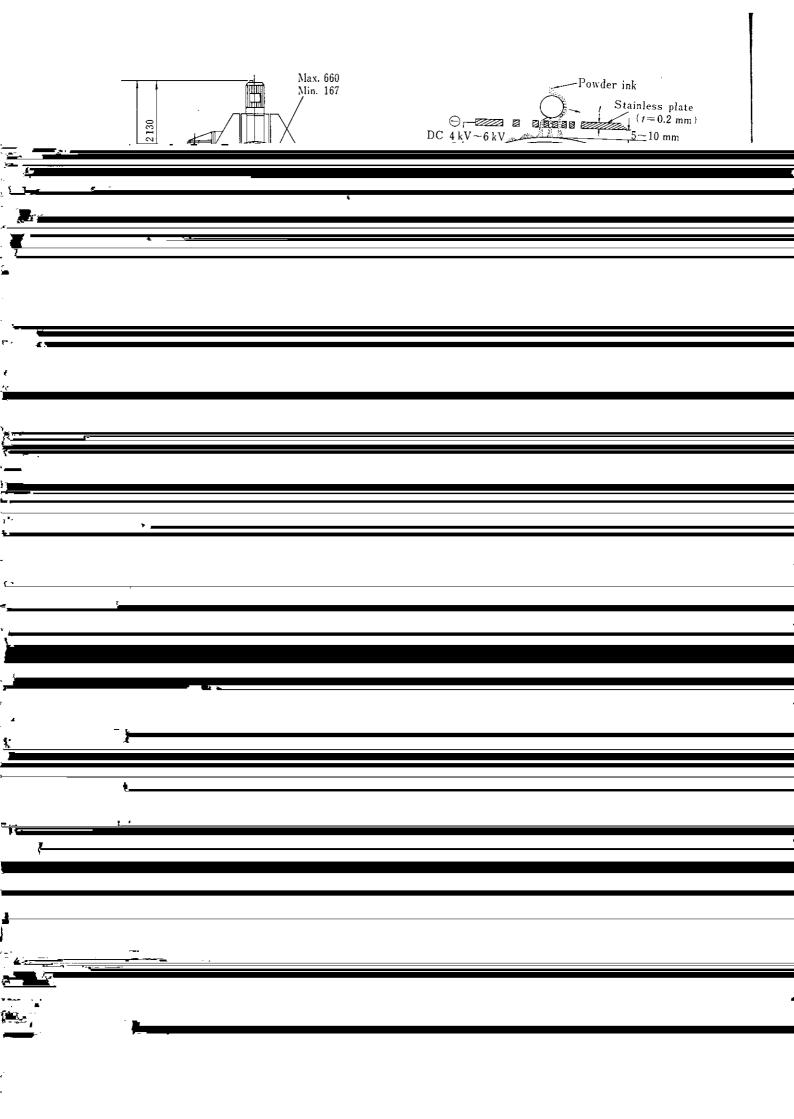
5.1 Full-cage Roll Forming Stand

Among the systems in which strips are slowly bent

in Fig. 4 (refer to Fig. 5 (c) for the roll arrangement), and there is the semi-cage roll forming system, which replaces the cluster roll with the cage rolls for improved forming (refer to Fig. 5 (b)). Then there is the full-cage roll forming system, which places the cage roll stand between the break down stand and the

Brenk deep ___Cage_roll





(4) Follow-up of the seam

5.7 Full Body Ultrasonic Flaw Detector

The full body ultrasonic flaw detector is the largest rotary UST equipment in Japan, and can detect flaws in pipes with outside diameters of 168.3 mm to 660.4 mm. By combining the special characteristics of both

roll forming system as shown in Figs. 16 and 17, cage rolls can be placed along the line of forming direction connecting the start flower and the end flower, thus making the deformation pattern smoother, the length of the plastic deformation area longer, and resulting in reducing deformation concentration to one area.

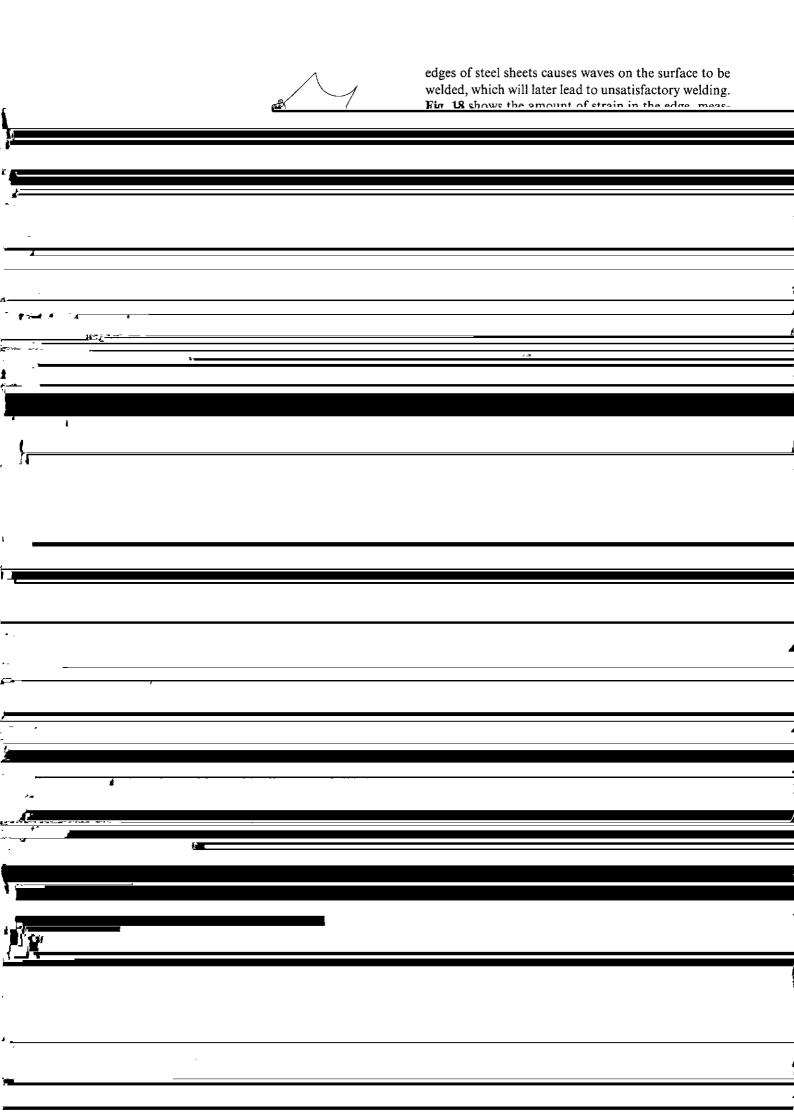


Table 2 Chemical composition of API 5LX X52 (558.8 mm ϕ × 7.14 mm)

Heat								(wt %)	
Ц _{оэ} t	С	Si	Mn	P	S	Nb	Al	C.E.	
11641	0.08	0.16	0.99	0.019	0.003	0.032	0.023	0.25	
Product	0.08	0.16	1.02	0.020	0.005	0.033	0.025	0.25	
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