

10kW

10kW Laser Welder for Stainless Steel Annealing and Pickling Line

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61

10kW

mm

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Synopsis :

A laser welder, installed in the stainless annealing and pickling line (APL) at No.2 Cold Rolling Mill of Chiba Works, started operation in March 1986. This is the first industrial application of 10kW oscillator in the world, which can weld stainless steel up to 8mm in thickness. By stabilizing optical parts and laser beams through a long optical transmission path at high power welding, welding stability has been obtained. High strength of the welded joint obtained by the laser welder has made it possible to improve productivity and material yield by passing the full length of the coil mp<sub>5</sub>

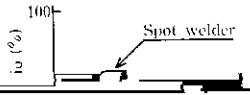
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要旨

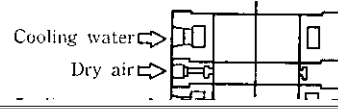
千葉製鉄所第2冷間圧延工場のステンレス用連続焼鈍・酸洗ライ

Table 1 Specifications of laser welder



Thickness (mm)

1.6~8.0



程でこの部分を除去するため歩留りが低下する。本溶接機では剪

(2) ノッチャー

断装置は、ノッチャーを用いて、溶接部を除去し、歩留りが低下する。

