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Welding Materials and Technologies Expanding the Application of Steels

T } I B (Koichi Yasuda) WN ^ d (Tadamasa Yamaguchi)

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鉄を支える溶接材料と溶接技術*

川崎製鉄技報
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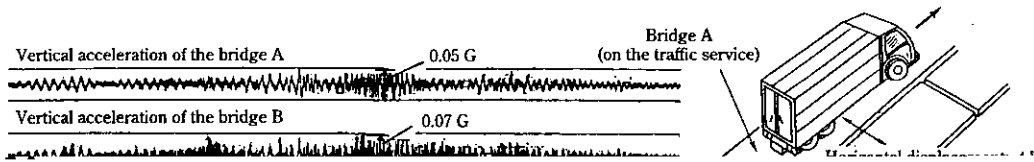


要旨

溶接加工に関わる各産業分野の主なニーズを整理し、これらに対応する川崎製鉄の最近の溶接材料・溶接技術を紹介する。溶接材料

5
CO₂ arc welding
Welding wire: YGW-11 (1.2 φ)
Welding condition:
300 A, 33 V, 40 cm/min, Evt = 20 mm

Developed
Cooling



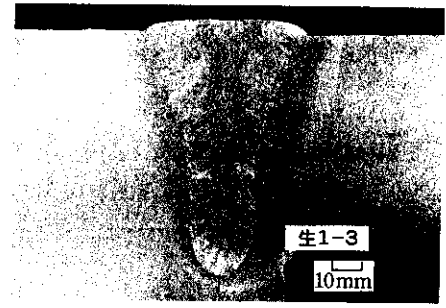
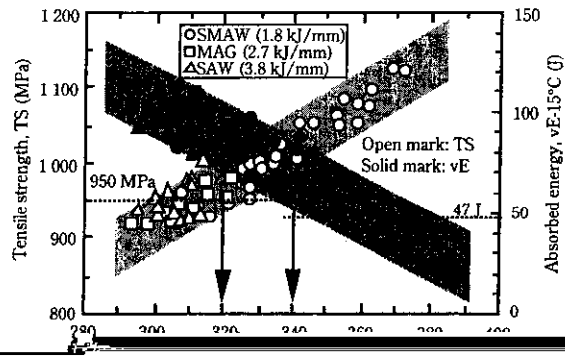


Photo 2 Cross-sectional view of a weld joint

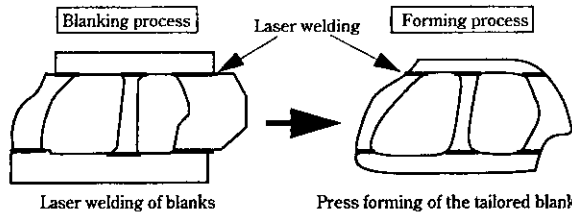


Fig. 9 Example of the press forming process with tailored blanking technology

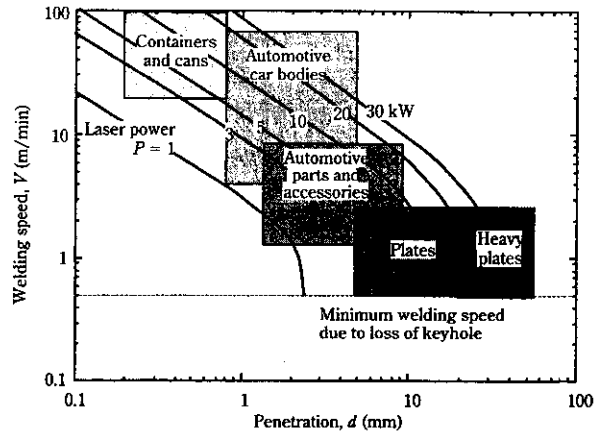


Fig. 10 Relationship between welding speed and penetration

による高能率サブマージーク溶接方法の開発」, 溶接学会全国大会
講演概要, 63(1998) 172

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