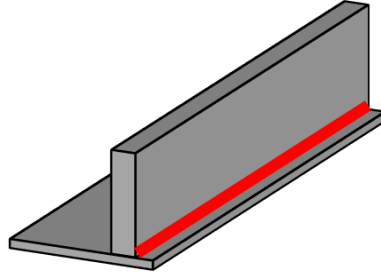


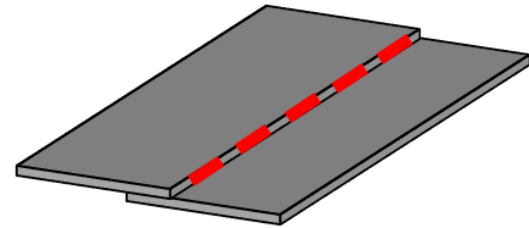
《技術概要》 アルミMIG溶接の高速化



・連続溶接



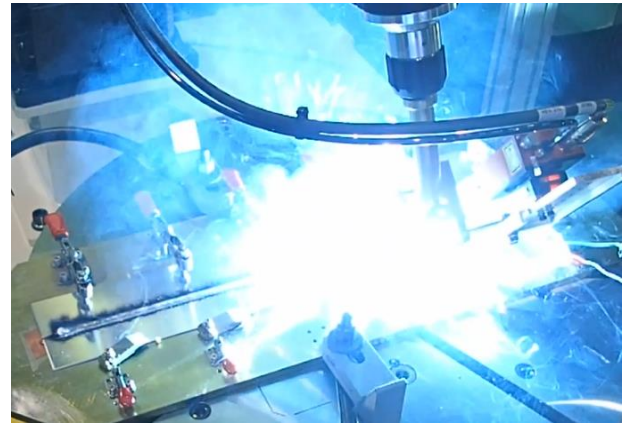
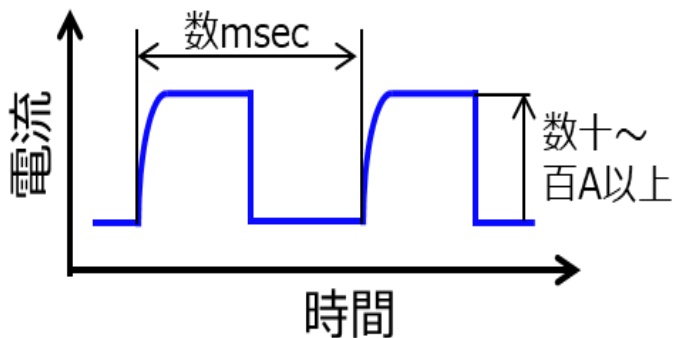
・短ピッチ溶接



狙い：汎用設備で溶接速度の遅いアルミMIG溶接の高速化

《開発内容》

- ・ワイヤー供給量の推定
- ・溶接パルス波形の調整



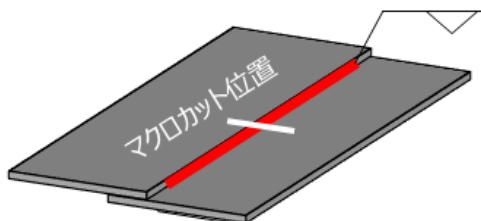
溶接速度 **約4倍**にてアルミMIG溶接を実現

《溶接品質》

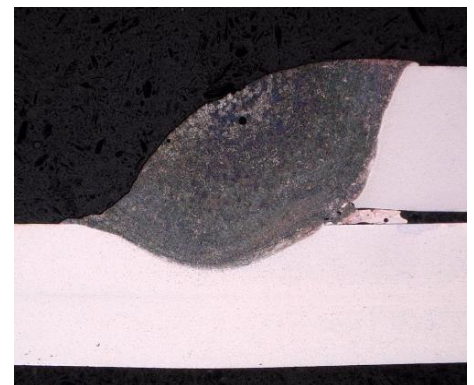
・板組 (重ね隅肉継手)

・溶接外観

・断面マクロ



上板：6000系
下板：5000系
板厚：t2.0
ワイヤ：A5356



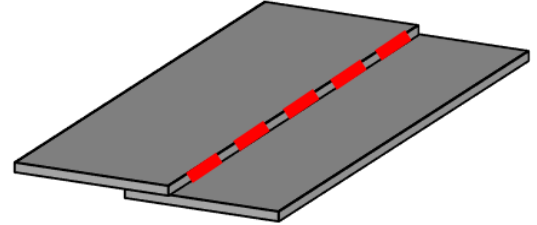
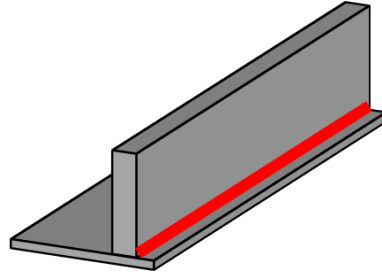
JISを満足

《Technical overview》 Speeding up aluminum MIG welding



• Continuous welding

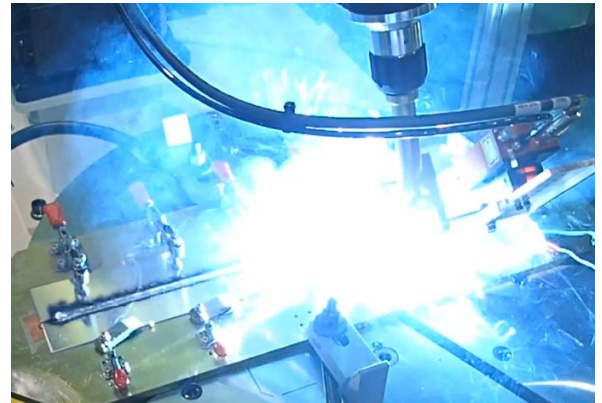
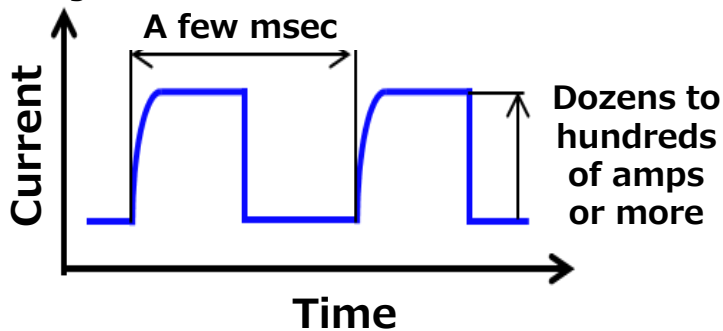
• Short pitch welding



Speeds up MIG welding with general equipment

《Development content》

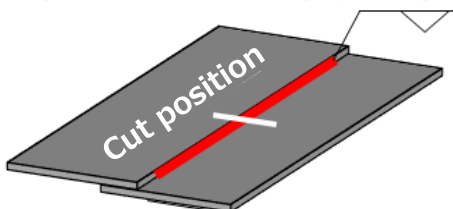
- Estimating wire supply
- Welding pulse waveform adjustment



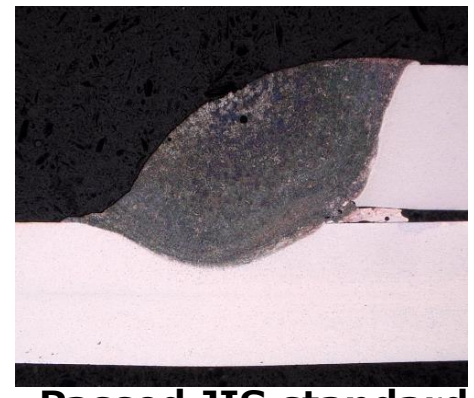
Quadruple welding speed
have been realized

《Quality performance》

- Plate combination
 - Welded appearance
 - Macroscopic test
- (Single fillet lap joint)



Upper plate : 6000 series
Lower plate : 5000 series
Thickness : t2.0
Wire : A5356



Passed JIS standard

Contact

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