

Erratum to: Process modeling and parameter optimization using radial basis function neural network and genetic algorithm for laser welding of dissimilar materials

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The original version of this article unfortunately contained mistakes.

The presentation of Fig. 12 and Table 9 was incorrect. A sentence in Sect. 4.1 showed wrong data. The correct Fig. 12 and Table 9, and sentence are given below.

From Table 9, the optimal F is 232.041, and the corresponding feasible solution value is 235.35, and the error between them is -1.43% .

The original article was corrected.

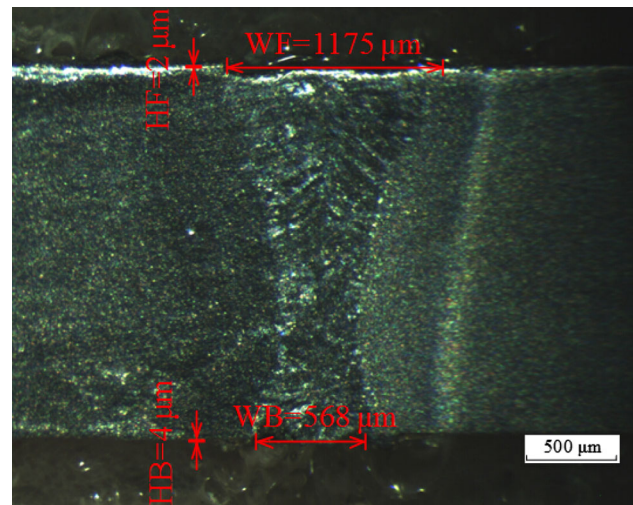


Fig. 12 The cross section of the weld seam generated by optimized parameters

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Table 9 Confirmation test results

Algorithm	F (μm)	WF (μm)	HF (μm)	WB (μm)	HB (μm)	LP (W)	WS (m/min)	FP (mm)	GAP (mm)
Optimal solution (RBFNN-GA)	232.041	1178.378	-1.851	530.741	3.897	2500.974	3.491	-0.856	0.021
Feasible solution	235.35	1175	-2	568	4	2500	3.5	-1	0.02
Err (%)	-1.43	0.29	-8.05	-7.02	-2.64	-	-	-	-

Err error = [(Optimal solution) - (Feasible solution)]/(Optimal solution) \times 100 %