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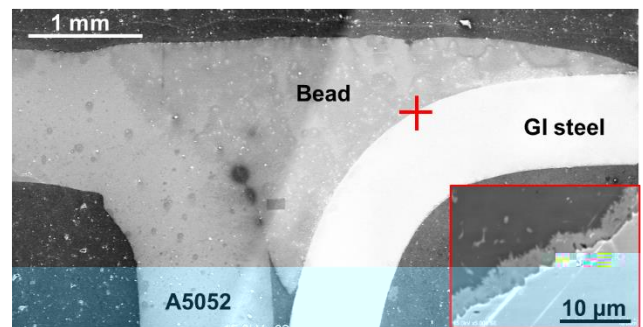
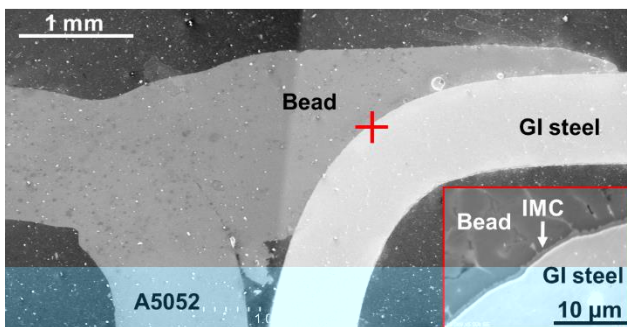
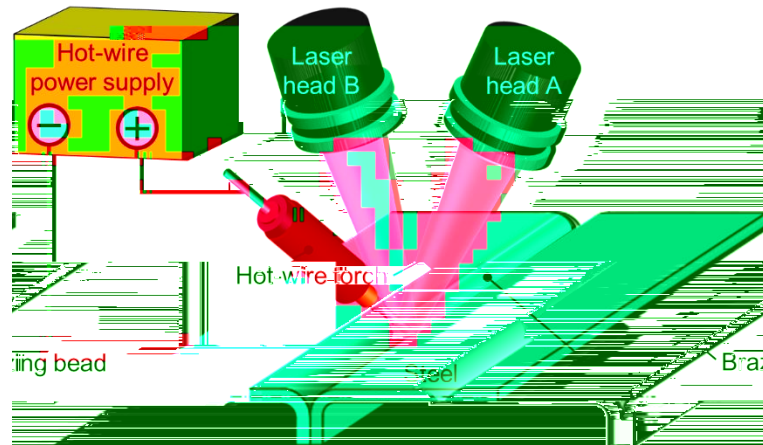
2

3.

4.

5.

5.1

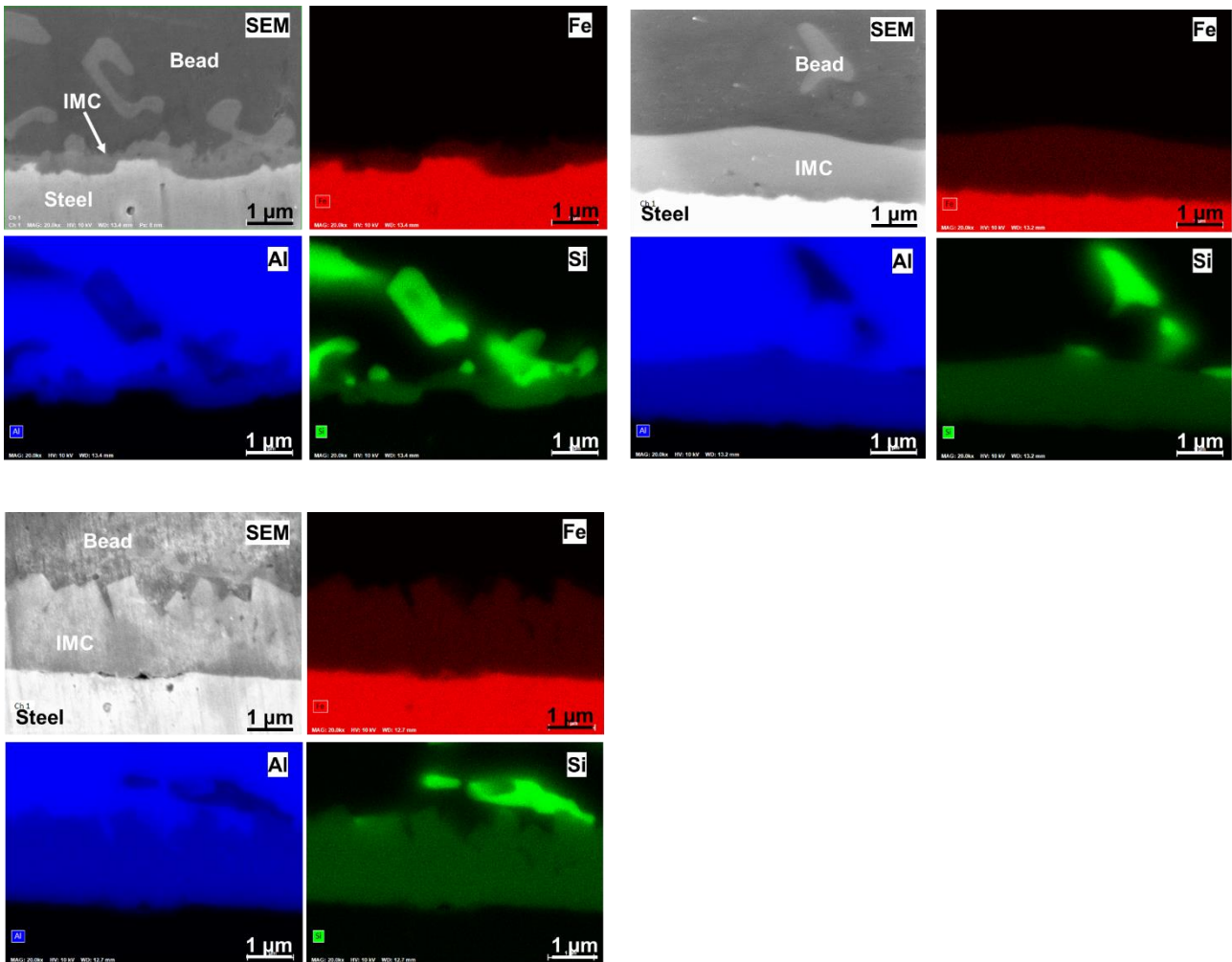


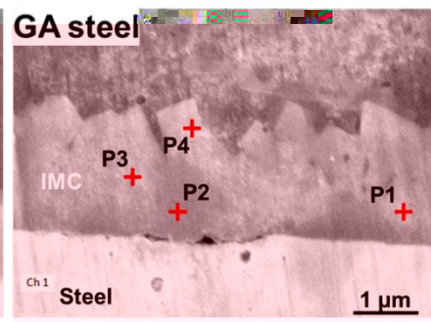
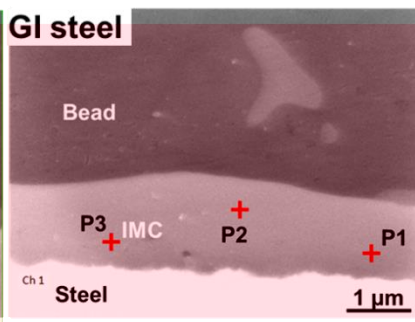
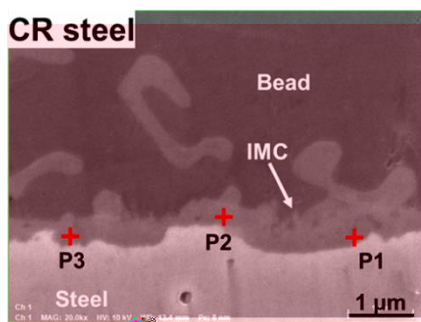
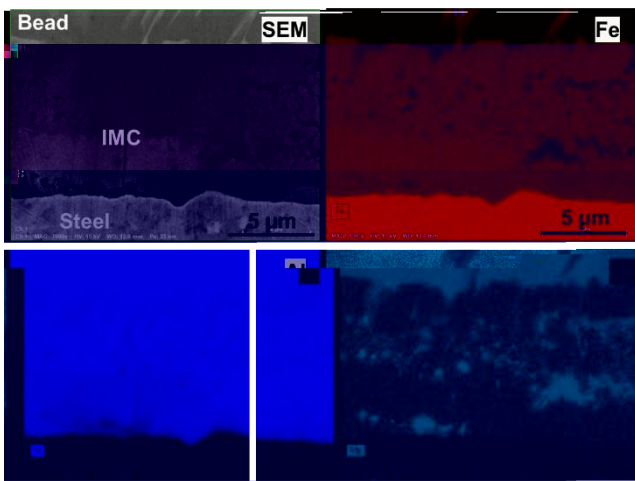
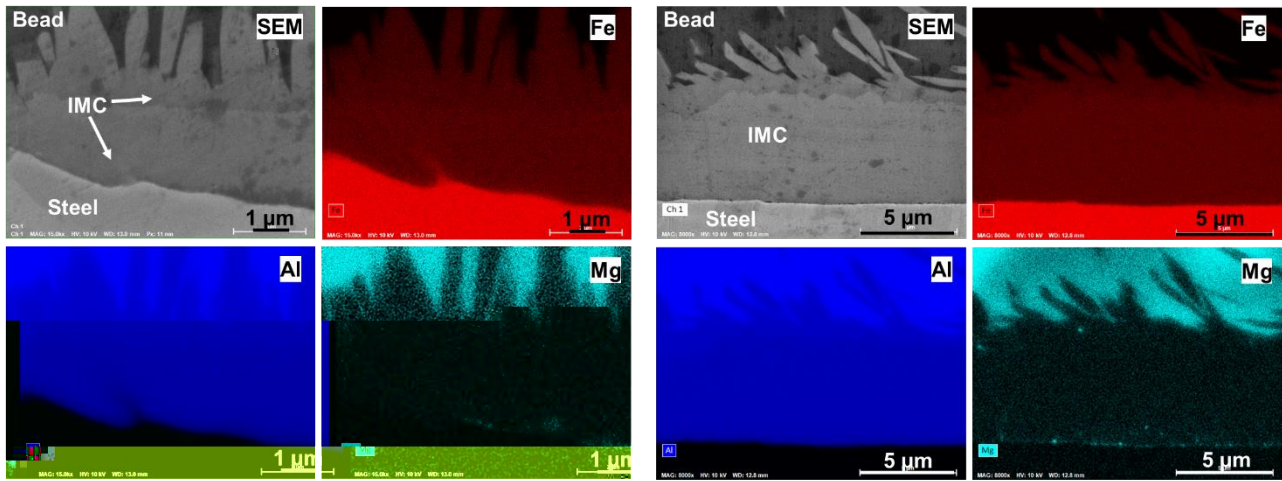
5.2

CR steel sheet	-	0.002	0.004	0.09	0.016	0.004	Bal

	Si	Fe	Mg	Sn	Mn	Cr	Cu	Zn	Ti	Al
	12	0.6	0.10	-	0.15	-	0.3	0.2	0.15	Bal.
	0.40	0.40	4.3-5.2	-	0.50-1.0	0.05-0.25	0.10	0.25	0.15	Bal.

5.3





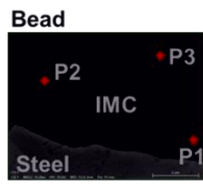
Atomic concentration (IMC) [%]

CR	Fe	Al	Si
P1	29.49	50.25	20.26
P2	25.30	57.91	16.79
P3	26.60	59.33	14.07

GI	Fe	Al	Si
P1	22.36	61.77	15.82
P2	20.09	62.20	17.65
P3	22.42	61.69	15.87

GA	Fe	Al	Si
P1	26.39	58.69	14.79
P2	27.28	57.60	15.01
P3	25.65	59.29	15.02
P4	26.22	58.51	15.20

CR steel



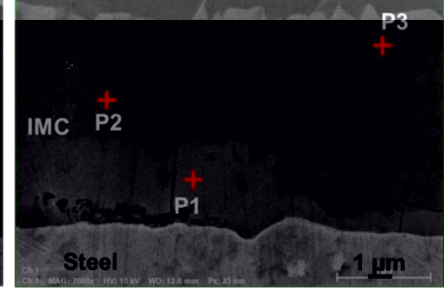
1 μ m

GI steel



1 μ m

GA steel



1 μ m

Atomic concentration [%]

CR	Fe	Al	Mg
P1	32.08	67.22	0.69

GI	Fe	Al	Mg
P1	35.43	63.42	0.57

GA	Fe	Al	Mg
P1	52.84	45.60	0.32

6.

7.