## **HYUNDAI Cu-coated Solid Wire**

[Chemicalplating vs Electroplating]

**HYUNDAI WELDING COMPANY** 

## CHARACTERISTICS (1)

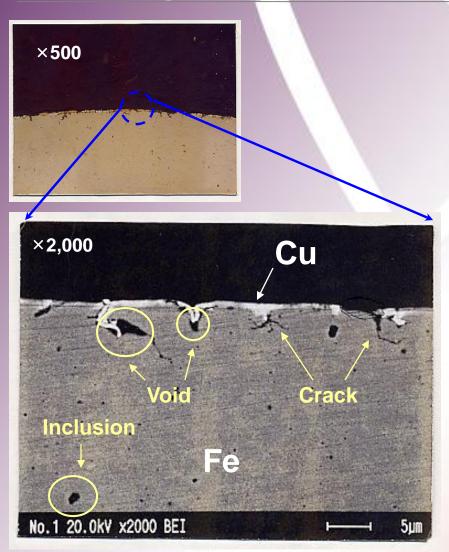
	Chemicalplating	Electricalplating					
How to Coat	Chemically coat the solid wire with a copper sulphate	Electrically coat the solid wire with copper by outer electricity (+ & -)					
Process	Electrolyzed removal→Flushing→Descaling (Acid Flushing) →Flushing→ Chemically coating	Electrolyzed removal→Flushing→Descaling (Acid Flushing)→Flushing→ Electrically coating					
Advantages	Coating layer is solid     Coating thickness is consistent.	1. Good coating adhesion 2. Surface of wire is evenly coated and brighter colored 3. Good at high currency welding 4. Good Feeding & Efficiency 5. Save the life of tip & liner					
Surface							
Coating Adhesion							

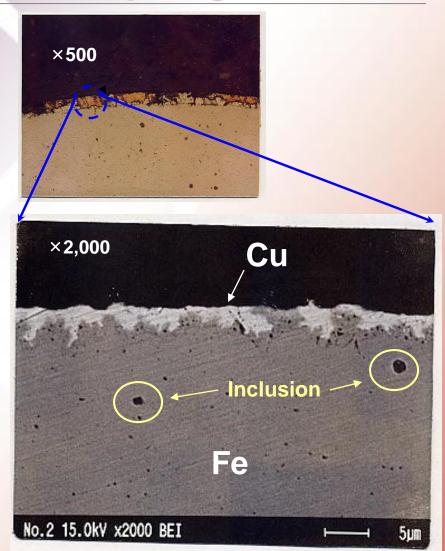
## **CHARACTERISTICS (2)**

Chemicalplating	
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Thickness of Cu	Difficult to control	Easily Control			
		A Company of the Comp			
Adhesion of Cu	Normal	Excellent			
Surface condition	Tough	Smooth(Leveling Effect)			
Homogeneity of Cu	Normal	Excellent			

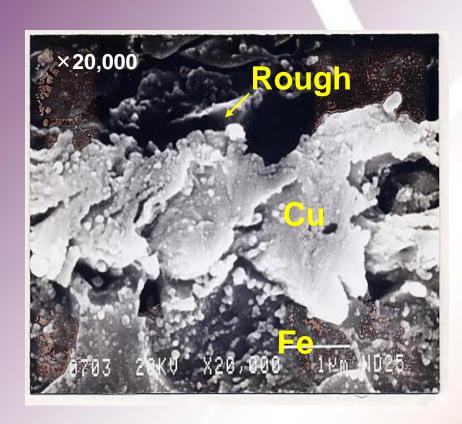
#### **Chemical plating**

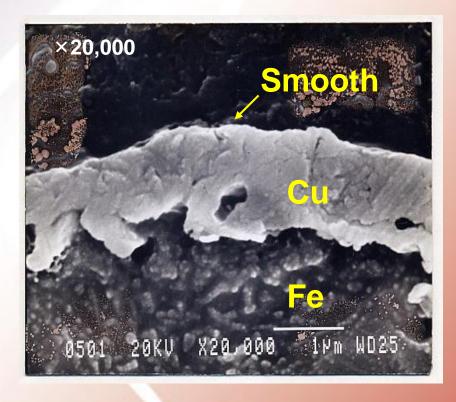




### Surface: ×20,000

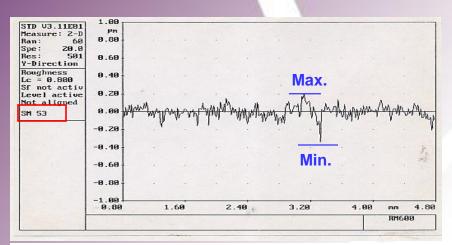
#### **Chemical plating**

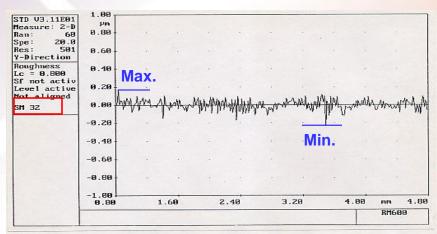


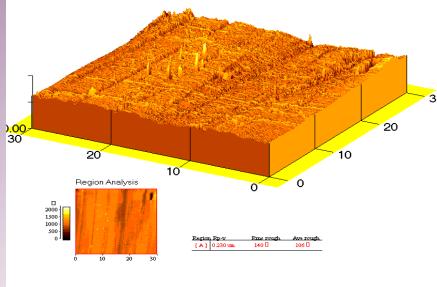


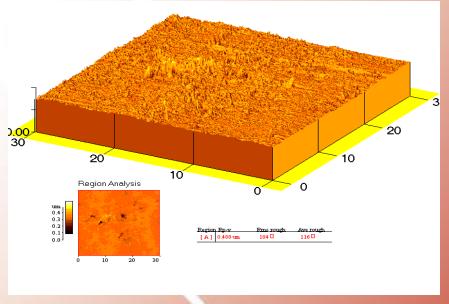
### **Surface Roughness**

#### **Chemical plating**

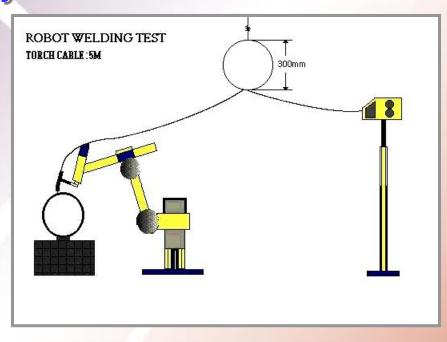




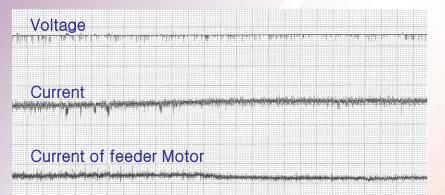




# Test of Wire feedability



#### **Chemical plating**



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