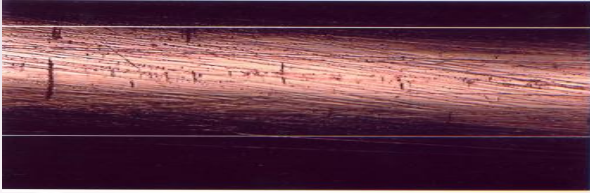
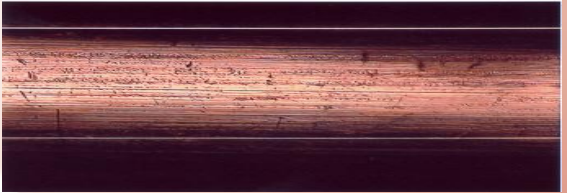
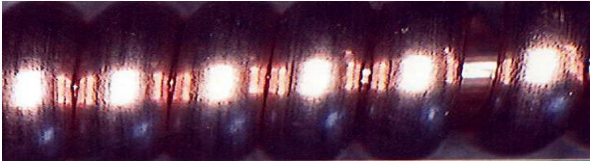



HYUNDAI Cu-coated Solid Wire

[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	<ol style="list-style-type: none"> 1. Coating layer is solid 2. Coating thickness is consistent. 	<ol style="list-style-type: none"> 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

Electroplating

Thickness of Cu

Difficult to control

Easily Control

Adhesion of Cu

Normal

Excellent

Surface condition

Tough

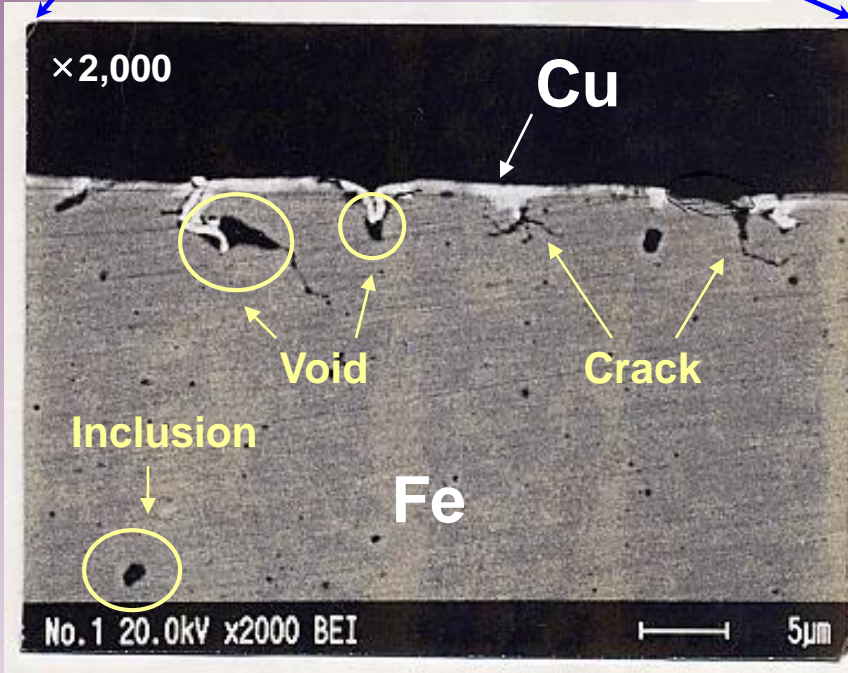
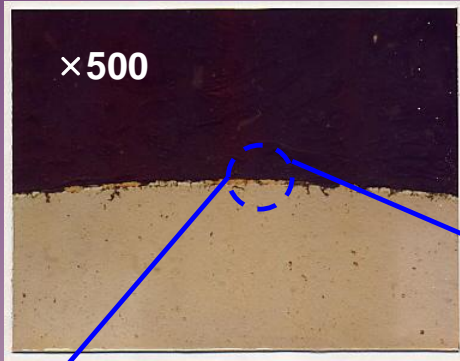
Smooth(Leveling Effect)

Homogeneity of Cu

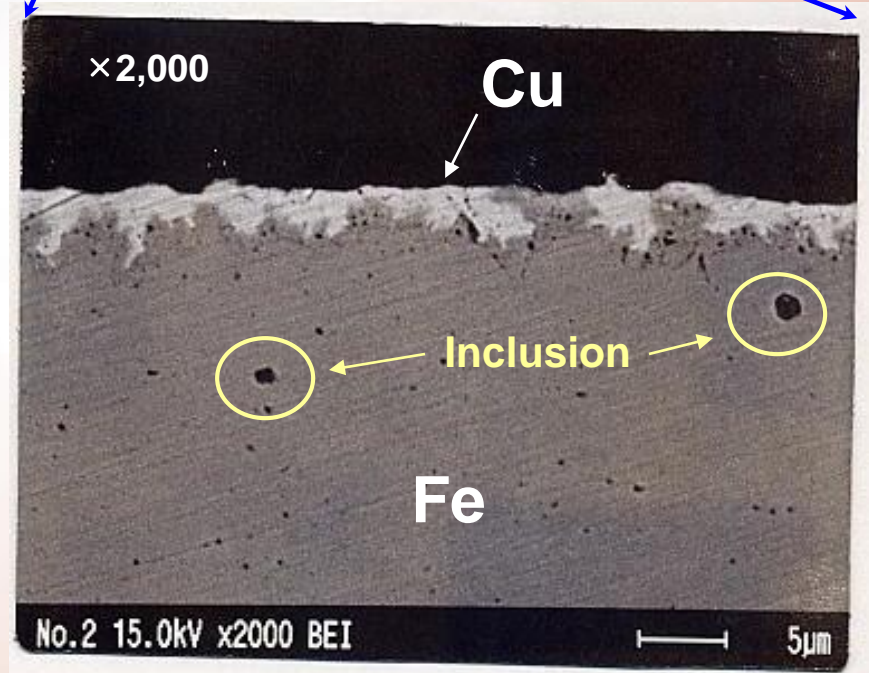
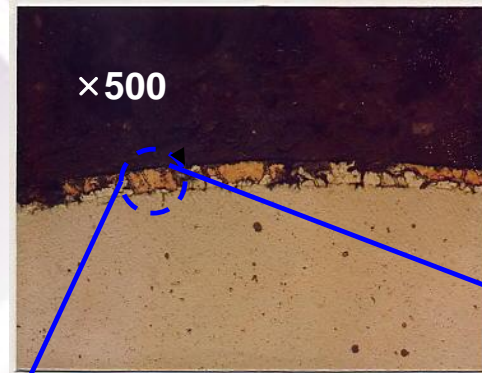
Normal

Excellent

Chemical plating

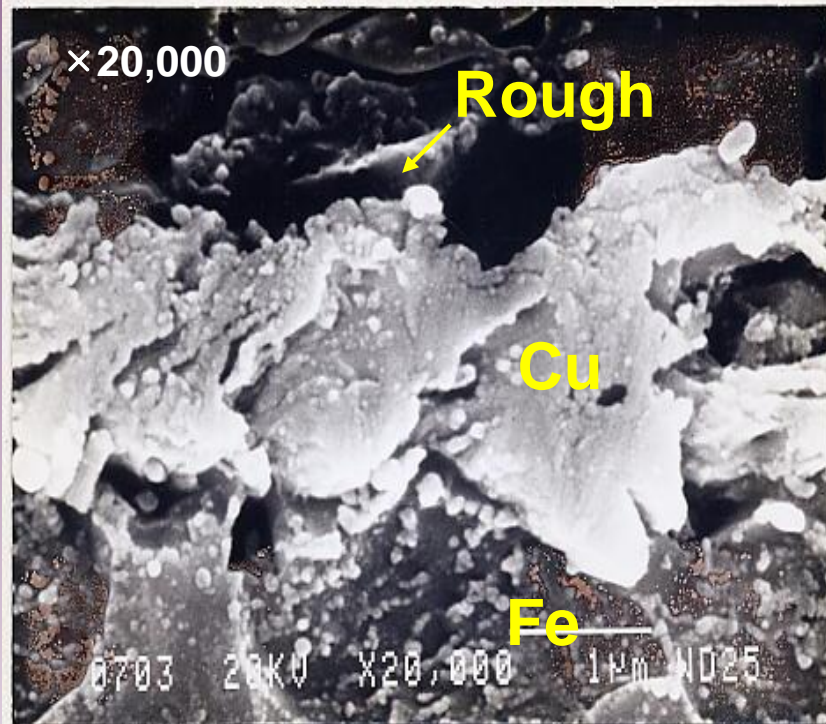


Electroplating

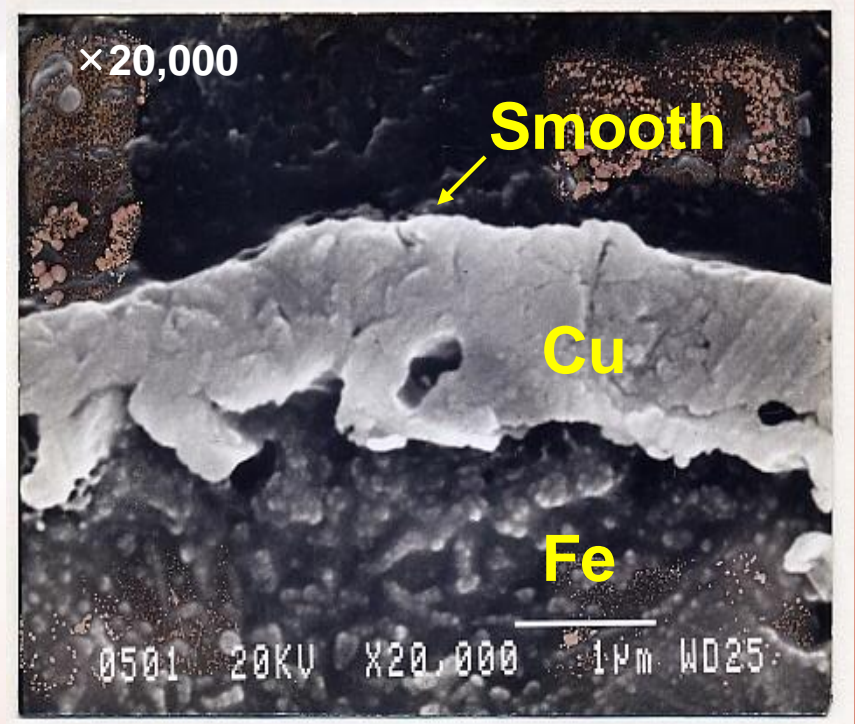


Surface : $\times 20,000$

Chemical plating

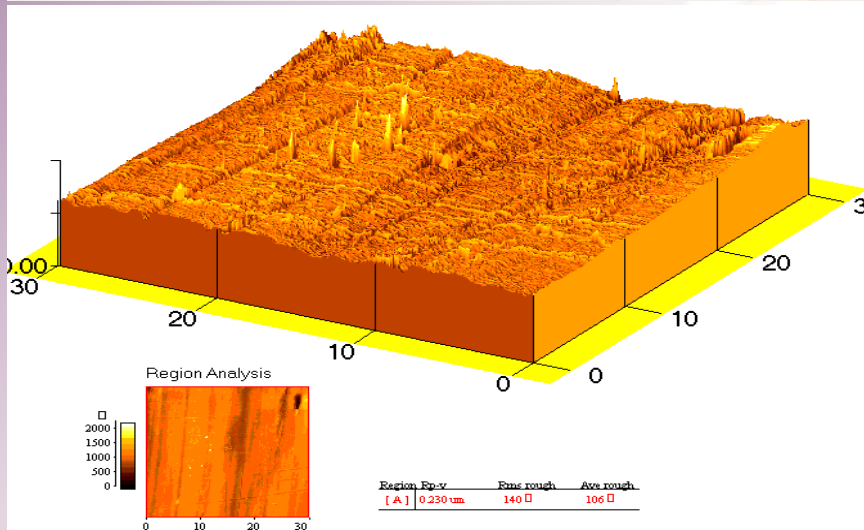
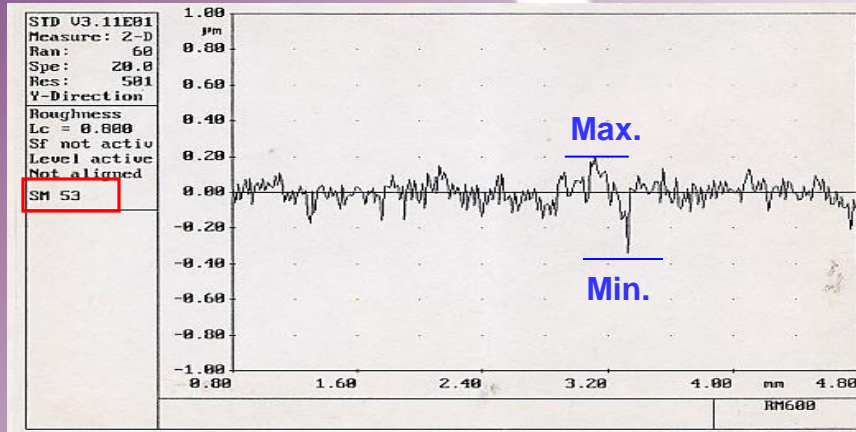


Electroplating

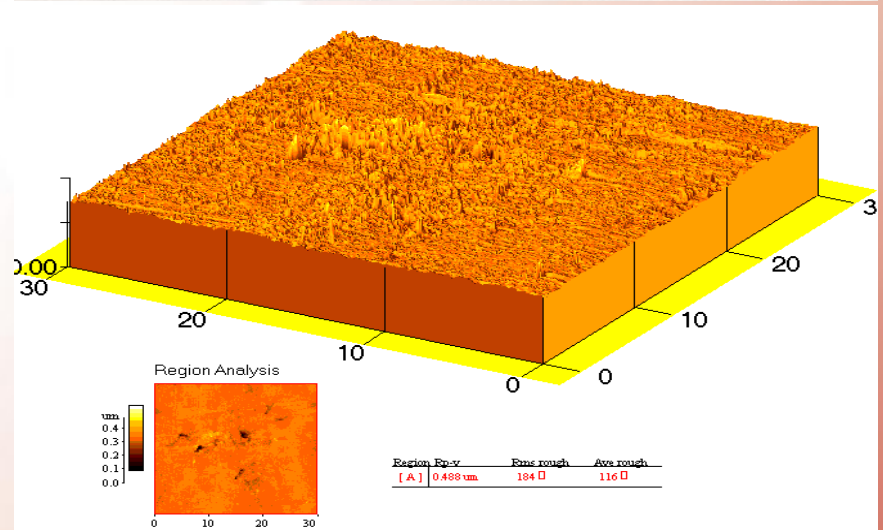
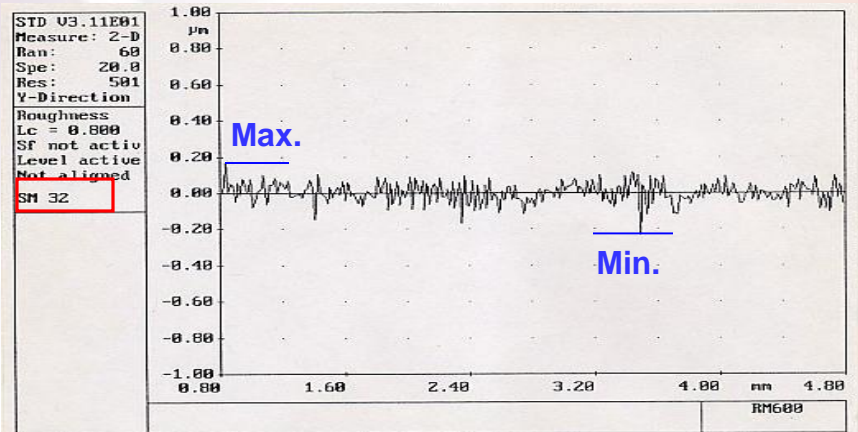


Surface Roughness

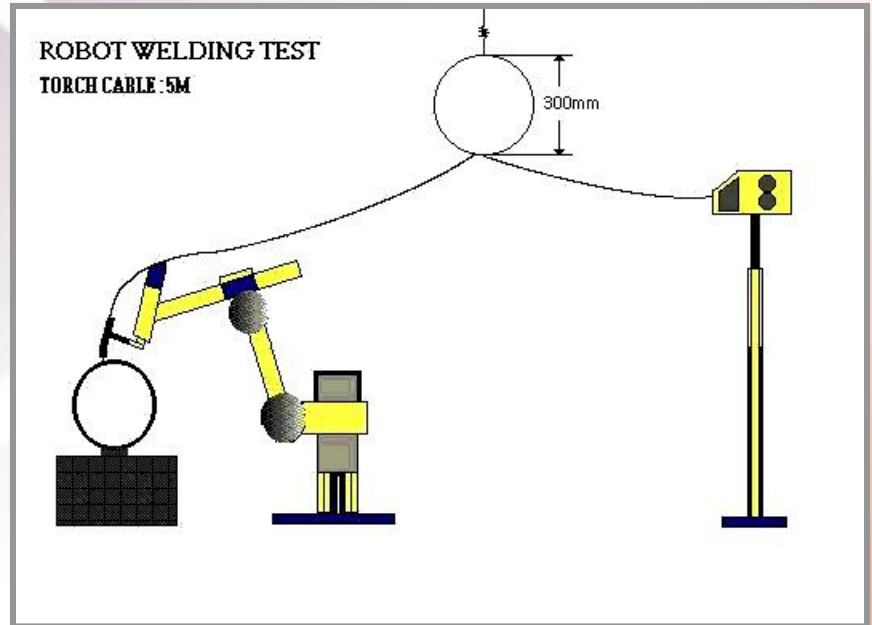
Chemicalplating



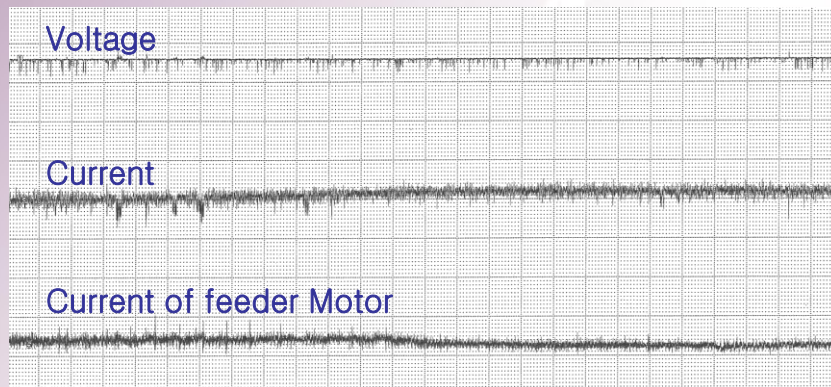
Electroplating



Test of Wire feedability



Chemicalplating



Electroplating

