

# Tin Plating

COTEC has various surface treatment technologies and the company concentrates on products development and quality control to develop various surface treatment items



## Production items and applications

Department / Material		Defence, Atomic power, Electric products, Semiconductor parts / Fe, STS, Al, Cu	
Usage		Soldering, Corrosion, Prevention of corrosive hardened layer during nitrification, Prevention of adhesion	
Thickness (General criteria)		1~20 $\mu$ m	
Applied specifications	National defense 0115-0019 (Yeon) MIL-T-10727 ASTM B 545 FEIS 104 KSD 8330	Thickness	2.5 $\mu$ m~6.4 $\mu$ m for soldering 5.0 $\mu$ m~10 $\mu$ m for prevention of adhesion 7.5 $\mu$ m for corrosion prevention 5 $\mu$ m~15 $\mu$ m for prevention of hardening during nitrification
		Adhesiveness	No trace of separation of coating from substrate when bending 180 degree.
		Corrosion resistance test	Salt spray test with 20% NaCl for 24 hours (less than 6 pits within 2.5cm <sup>2</sup> )
Acceptance		External	
		Internal	DOOWON, HANHWA, KAI, LIG NEX 1, ADD

## Equipment condition

COTEC	1,500 × 600 × 1,200 mm
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