Electroplating on DTP

ERG provide electroplating process on many substrate parts to meet the needs of customers.

Features

Electroplating on Difficult-to-plate Materials

Materials like titantic, tungsten due to the difficulty to plate, are so called DTP materials. ERG is continueously challenging to solve these problems.

We also provide electroplating process on plastics.

NTP material Metal	
	∎Tungsten
Electroplating on alumnum is possible.	Electroplating is possible with special pretreatment.
Inform to material detail if it is alumium alloy.	And also gold can be plated without underlayer.
Features	Features Highest molting point of all the motals
Good extrudability, deep drawability	(about 3380°C)
Good thermal conductivity (237 W/m \cdot K). High specific strength (strength/weight ratio)	High hardness (about Hv3400)
Good corrision restance (water, sea water)	Difficult to distort, warpage
Low electrical resistance	Good corrosion resistance, etc.
Non-magnetic, etc.	\mathbb{V}
■Titanium	■Magnesium
Electroplating is possible with special pretreat	r Electroplating on magnesium is possible.
Highest specific strength of all matels	Peatures
Good corrision resistance, suitable	Good machinability
medical applications	Better specific strength and specific stiffness than \mathbb{R}^{2}
Light, density is 4.5 (about 57% of the iron)	steel as well as alumium
DTP material pop metal	necycled easily, etc
Engineering plastic • Super engineering plastic	
Experience in electroplating on engineering plastic	
electroplaiting process depends on the plastic so inform to the plastics type while ordering.	Engineering plastic
Features	indenne plastic
Strength is over 50MPa, and flexural modulus is more than 2.4GPa	
Heatproof temperature is over 100°C, and can be used for a long period.	
(Super engineering plastic can be used over 150°C for a long period.)	
reatures may be varied because of the plastics type of mixture in plastics.	
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