



**MAIN OFFICE :**  
 17 Tuas View Place  
 SINGAPORE (637863)  
 Tel: +65 6521 7088  
 Fax: +65 6521 7087  
 E-mail: sales@i-spray.com.sg  
<http://www.i-spray.com.sg>

## CHROMIUM PLATING



**Plating Address :**  
 25 TUAS AVENUE 13  
 #01-15  
 SINGAPORE (638991)

## Hard Chrome Plating Services

I-Spray provides complete Turnkey Services for the repair and refurbishing of all rotating equipment and auxiliaries relating to the Automotive, Marine, Onshore/Offshore, Petrochemical, Mining, Textile, Printing, Pulp & Paper and other industrial sectors.

Hard Chrome plating is an electrolytic method of depositing Chrome for Engineering applications, from a Chromic acid solution. Deposits can be applied from 0.25 – 1,000 microns thickness for a wide range of applications. Hard chrome deposits have a hardness range from 56 - 74 R.C..., 5.0 to 10 microns for Flash chrome.

### Key Benefits:

- Oil & Gas
- Marine
- Petrochemical
- Automotive
- & Other Industrial Sectors

In I-Spray, we take the philosophy of **"RIGHT AT FIRST TIME"** seriously and continuously cultivate the culture which ultimately benefits the company and client.



We provide chrome plating of products in a wide range of thicknesses - from several to several dozen microns, covering the external surfaces of piston rods, rings, valves, shafts, journals, bushes, hydraulic components, valve guides, sliders, punches, moulds, tools, dies, overlays, spindles, plungers, etc.

### Key Benefits:

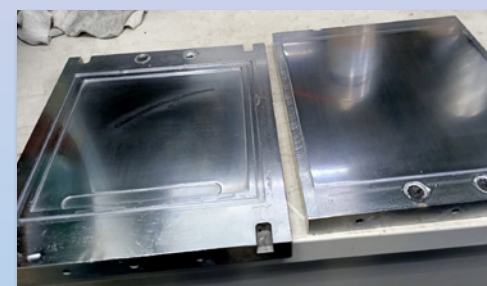
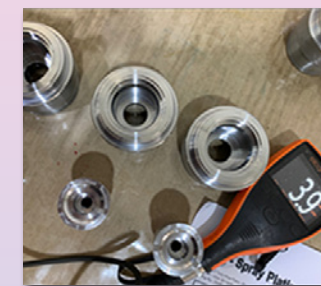
- Hard Coating
- Low Friction
- Excellent Wear Resistance
- Good Corrosion Resistance
- "Cold Process"
- Non-Fretting / Anti-Galling
- Superfinishing to Mirror Finishes
- Thick Grinding and Polishing Service





## Hard Chroming

## FLASH CHROMING



## i-Spray Pte Ltd

### Plant & Capabilities

#### UNIT #01-14 :

CHROME TANK : 5 Nos.

Ranging Size :

740L x 500W x 680Dp to

1220L x 1220W x 1800Dp

RECTIFIER : 5 Nos.

Ranging : 500 to 1500Amps

DE-CHROMING TANK : 1 No.

#### UNIT #01-15 :

CHROME TANK : 2 Nos.

Ranging Size :

1220L x 1220W x 3600Dp to

2200L x 1050W x 2100Dp

RECTIFIER : 3 Nos.

Ranging : 2000 to 6000Amps

#### Specifications complied:

- AMS 2406
- AMS 2438
- ASTM B-177
- ASTM B-254

## i-Spray Pte Ltd services include:

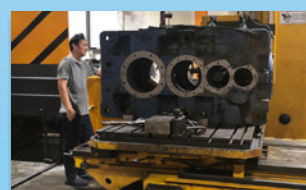
1. Manual Machining, CNC, Boring, Grinding & Honing
2. Laser cutting
3. Welding, PTA-Plasma Transfer Arc & Micro Plasma Welding
4. Thermal Spray Coating- HVOF, Arc Spray, Flame Spray & Rokide Ceramic Spray
5. Hard Chrome Plating
6. Ceramic-Polymer & Epoxy Coating
7. Dynamic Balancing
8. Non-Destructive Testing & Examination



Grinding



CNC



Boring



Ceramic-Polymer Coating



Balancing



HVOF-Thermal Spray Coating



PTA Welding



Micro Plasma Welding



#### I - Spray :

1. ISO 9001 and bizSAFE Level 3 Certified
2. Vast experience human talent
3. Proven Processes
4. United within workshop and Can-Do spirit to put Quality and Delivery first.
5. Emphasis to have close communication with customer to develop long term business relations.