

# Ion Vapor Deposition



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

|                        |  |                       |  |
|------------------------|--|-----------------------|--|
| Applied specifications | MIL-DTL-83488<br>PS13143<br>(Al plating) | Class                 | Class 1 : 26µm ↑<br>Class 2 : 13~26µm<br>Class 3 : 8~13µm                        |
|                        |  | Type                  | Type - Type 1 : As coated<br>Type II : With supplementary chromate treatment     |
|                        | AMS-C-8837<br>PS13145<br>(CD plating)    | Class                 | Class 1 : 13µm min<br>Class 2 : 8µm min<br>Class 3 : 5µm min                     |
|                        |  | Type                  | Type 1 : As plating<br>Type II : With supplementary chromate auxiliary treatment |
| Applied specifications | External                                 | BOEING, BOMBARDIER    |  |
|                        | Internal                                 | KAI, HANHWA, KAL, ADD |  |

## Equipment condition

|            |                  |
|------------|------------------|
| AERO COTEC | 1,300 × 2,500 mm |
|------------|------------------|

# Ion Vapor Deposition

Capable of coating complex parts

## COTEC Plating Process



## Our technologies and their applications

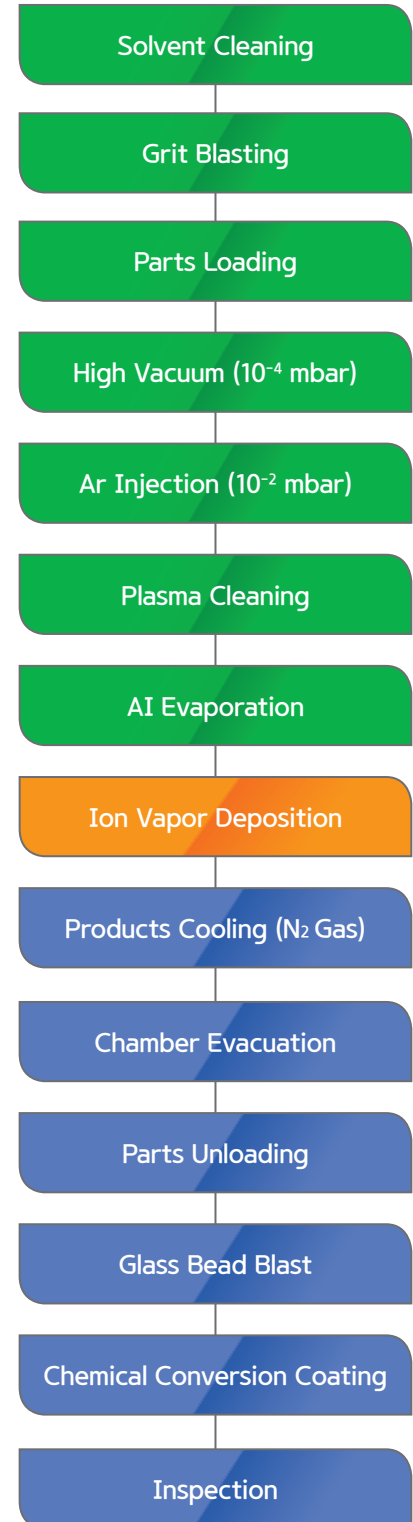
### Object items

- Aerospace and electronics.
- Magnet and sintered products.
- Highstrength bolt and stainless steel, bolt replacement, spring, washer, pin, hardwares, etc.
- Anodizing replacement aluminium alloy structure, steel, stainless steel, titanium, powder metals.
- Cadmium plating replacement or other plating replacement purpose.

### Applications

- Places where corrosion occurs by industrial contaminants such as sulphur, base and organic substances and electric corrosion occurs between dissimilar metals.
- For prevention of electromagnetic interference. (EMI)
- Places which require high temperature corrosion resistance and electric corrosion resistance.
- Places where hydrogen embrittlement is not susceptible.
- Useable for the contact surface of fuel and inflammable materials.
- Heat exchange devices.
- Places where color is required depending on use.

## Process



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