

DYPE Series

HYBRID COATING IN CHAMBER
SAVE YOUR COST

應用 Applications

車燈反射罩、車燈內部框板和車燈內飾品等。
Car light reflector, Bezels and Trinkets.



簡介 Introduction

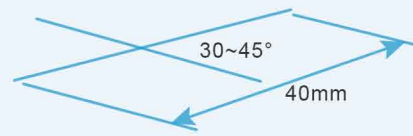
大永真空『DYPE-爐內塗佈真空鍍膜機』以全方位的設計，接軌全球邁向電動汽車的綠能趨勢。設備結合PVD及PECVD技術，可在同一個真空腔體中，完成底漆、鍍膜及面漆的製程。可大幅降低大氣噴塗時所造成的漆料浪費和環境污染，並給予企業更大的規模經濟和生產效率。DAH YOUNG robust the DYPE- hybrid coating in a chamber to match the global green-tech tendency. The combination of PVD & PECVD coating process which emphasizes to reduce lacquer improvidence and environment pollution, also aiming to increase production efficiency that bringing better economy scale for firms.

主要規格 Specification

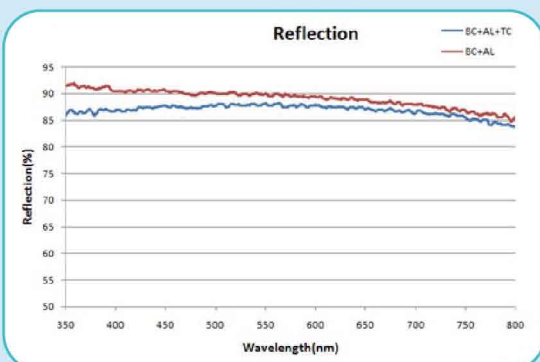
Pumping System	Single Pumping System		
	1300mm(φ)	1600mm(φ)	1800mm(φ)
Effective Chamber Size/ Diameter	1300mm(φ)	1600mm(φ)	1800mm(φ)
Number of Planetary/Axis	6 Axles	6 or 8 Axles	6 or 8 Axles
Efficiency Diameter/Axis	350mm	480/400mm	560/460mm
Effective Chamber Size/ High	1850mm(H)		
Usable Length/Axis	1500mm(H)		
Vacuum Deposition Method	Thermal Evaporation		
Number of Filament	18 ~ 28 (It Depends)		
Filament Power Supplier	30kW		
Plasma Polymerization	MF PECVD Process		
Ultimate Vacuum	5 x 10 ⁻⁶ Torr		
Production Cycle Time (Depends on Product)	18 ~ 20 min/cycle		
Electrical Power/3 Phase, 380V	110kVA		

環測結果 Test Performance

Testing Item	Specification	Result
Water immersion (ASTM D 870)	40°C/30hr	Pass
Adhesion (ASTM D 3359-97)	1. Make two cuts in the film that intersect near their middle as drawing.	Pass
	2. Place the center of the tape at the intersection of the cuts with tape running in the same direction as the smaller angle.	
	3. Remove the tape and pulling it off rapidly (not jerked) back upon itself at as close to an angle of 180° as possible.	
Corrosion Barrier	1% KOH/10min	Pass
Surface	No haze, yellow or rainbow color	Pass

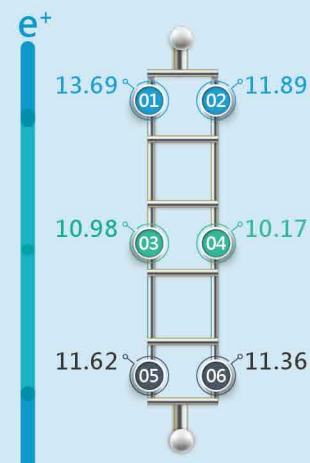


鍍膜反射率和膜厚數據 Reflectance and film thickness data.



均勻度 Homogeneity of film

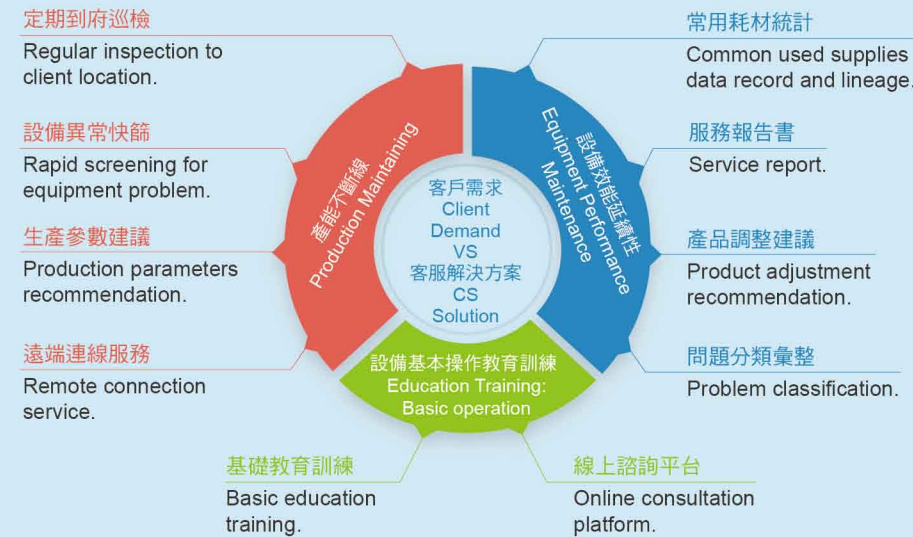
被鍍物無論放置於上、中、下方，膜厚相近，鍍膜均勻度良好。
Location of Substrate on on top, mid and bottom of the every jig are equally coated and adhere with homogeneous thin film.



鍍膜新舊製程比對 Advantages vs. Traditional Process Comparison



客服中心 Customer Service



關鍵技術服務 Technical services



全方面解決方案 Total solution

