

Surface Treatment in Atmospheric Plasma

Technology

Remote plasma

Direct plasma (APP)

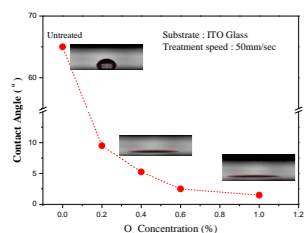
Merits of APP plasma

- Direct plasma
- No arc
- Low Power
- Low Gas Consumption
- No ozone system
- No suction system

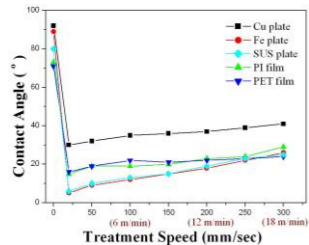


Technical Data

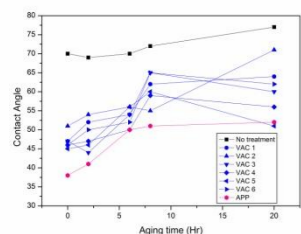
Surface treatment 1



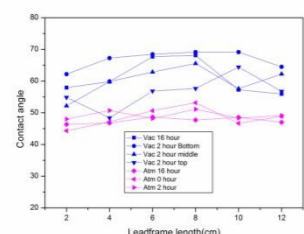
Surface treatment 2



Aging time



uniformity



Plasma generation



Product Info



Surface treatment System

ILP 300

INLINE - Scan type



Surface treatment system

ILP 500

INLINE - Belt type



Surface treatment System

ILP 750

INLINE - Scan type



Surface treatment system

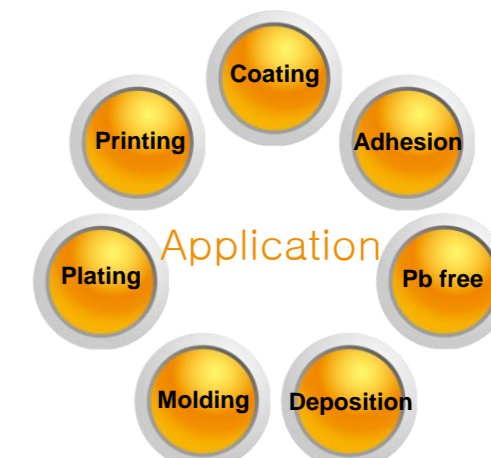
ILP 1500

INLINE - Roller type

Application

- LCD
 - ITO, Color filter : Pre etch, photo, deposition
- LED
 - wire bonding , Die attach, Mold
- Touch panel : Cleaning, Activation
- PCB : Cleaning, wire bonding
- Semiconductor package
- Glass cleaning
- Solder ball
 - Cleaning & Hydrophobic coating

- Solar cell
- Cu & Au wire
- Gold bumping
- ITO coating
- PR Ashing
- Oxide Etching
- Polymer
- Lens, fiber
- Metal
- wire



Display



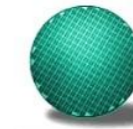
LED package



Solder ball



Touch panel



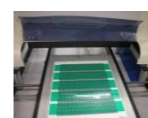
Wafer



Mobile phone



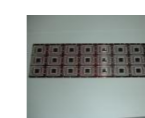
Wire (Au & Cu)



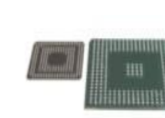
Glucose check



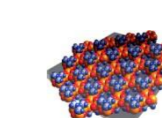
Film



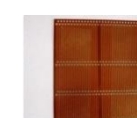
Leadframe



PCB



Polymer



FPCB



Sensor