

## Film

Flame Plasma Treatment is ideally suited to the treatment of film substrates to increase adhesion prior to printing.

Systems are capable of single or double-sided treatment depending on the number of burners used and providing the highest levels on consistency and repeatability of treatment.

The unit, which can be sized for up to 10 metres wide. Constructed with a robust burner complete with water cooling, a homogenous smooth flame is produced for consistently high levels of treatment across the full width of the web.

The intensity and velocity from specialised smooth flame burners, together with the precise control of air/gas ratio through.

The 808 burner contains a fully adjustable ribbon pack cartridge allowing for fine positioning of the flame gap across the entire width of the web. Aerogen mixing system and monitoring, by means of the Flame Plasma Analyser enables the highest production speeds to be achieved. The Flame plasma is initiated only when the film is moving at speeds above a pre-set level and the output may be modulated relative to the web speed.

In order to accurately position the active zone of the flame and thus optimise the surface modification, the burner body is fixed in a position relative to the back up roller and the flame gap is set by the fine adjustment ribbon construction within the burner body.

### Our Technology

- Application of Flame Treatment in manufacturing of BOPP
- Using patented burners
- Using Flame Plasma analyser
- Innovative burner design

### Main Advantage

- A linear and a stable gap between burner to product distance
- User friendly
- Higher treatment level v/s Corona
- Lower shelf life of treatment v/s corona
- No backside treatment

### Main Applications

- BOPP
- OPP

