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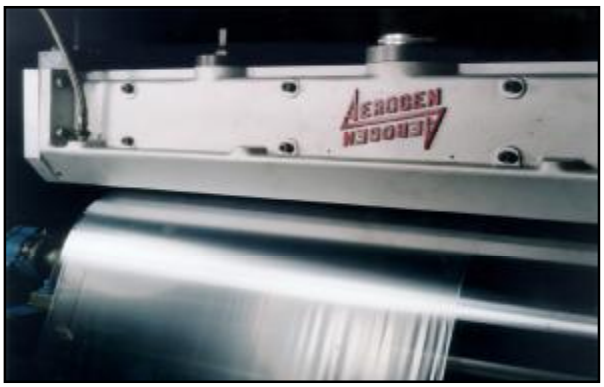
Aerogen.

Flame Treatment Specialists

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. Flame plasma treatment provides the highest levels of consistency and repeatability of treatment.

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. The Aerogen mixing system, and monitoring by the flame plasma analyzer, 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.



The unit can be sized for up to 10 metres wide. It is 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. Aerogen's specialized smooth flame burners precisely control the air/gas ratio offering intensity and velocity to any film production process.

Our Technology

- Application of Flame Treatment in Manufacturing of BOPP
- Using Patented Burners
- Using Flame Plasma Analyzer
- 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

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