

Plastics

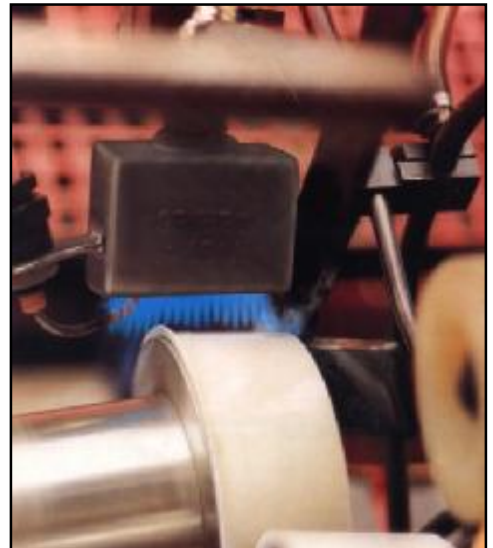
Aerogen offers flame treatment as a proven solution for the improvement of adhesion prior to printing, labeling and marking. Many different applications are covered within this market sector, including: bottles, containers, mouldings, components, extruded pipes, cable covers, and so on.

Flame plasma technology allows the treatment effect to penetrate to a depth below the surface without adversely affecting the physical characteristics of the substrate. The benefits of flame treatment include the relative absence of regression over time and the retention of wettability despite physical handling.

During the formation of the flame plasma, free radicals are generated which combine with the substrate to modify its surface wettability and achieve the optimum dyne level.

A range of burners can provide a solution for a variety of shaped components. Mechanical handling mechanisms, together with the combustion controls, provide necessary residence time and correct positioning of the substrate within the active flame plasma zone.

Flame treatment can be utilized to promote the adhesion of labels and print.



Our Technology	Main Advantages	Main Applications
<p>Aerogen has developed a burner to strengthen the active zone in the burner flame by up to 100mm, thus enabling the burner to cope with 3D shapes.</p>	<ul style="list-style-type: none"> • 3-Dimensional Flame • Reliable • Repeatable • Low Cost • Low Maintenance • No Primers 	<ul style="list-style-type: none"> • Bonding • Printing • Labeling of Containers • Printing of <ul style="list-style-type: none"> ○ Telephones ○ Caps ○ Closures ○ Bottles ○ Packaging ○ Bottles ○ Containers ○ Pet Products