

FTS-PLC

Application:

Due to their modular design and in combination with suitably sized burners, FTS-PLC-type flame treatment systems can be used for a wide variety of industrial applications. They are used for the pre-treatment of plastic, metal and glass surfaces. Moulded parts, sheets and films can be treated in this way.

The flame treatment system generates a defined gas/air mixture which is then combusted. The resulting flame plasma activates plastic, glass, and metal surfaces, allowing printing inks, varnishes, and adhesives to adhere more effectively.

Construction:

The flame treatment system consists of a pneumatic and an electrical cabinet. The burner is connected to the device by means of a flexible hose.

Air is supplied via a built-in blower or a compressed air connection. The burner output can be adjusted, for example, from 30 to 100%. Indicator lights for operating states and buttons for power adjustment are arranged on the front panel of the control cabinet.



Technical specification:

Supply voltage	230/400 V, 50/60 Hz
Connected load	0.2 – 1.0 kVA
Burner output (air flow)	50 – 400 l/min
Gas consumption	0.25 – 2 kg/h propane / 0.3 – 2.4 m ³ /h natural gas
Compressed air connection	6 – 8 bar
Thermal output	3 – 26 kW
Flame width	according to customer requirements
Dimensions W×H×D	600 × 1250 × 350 mm