



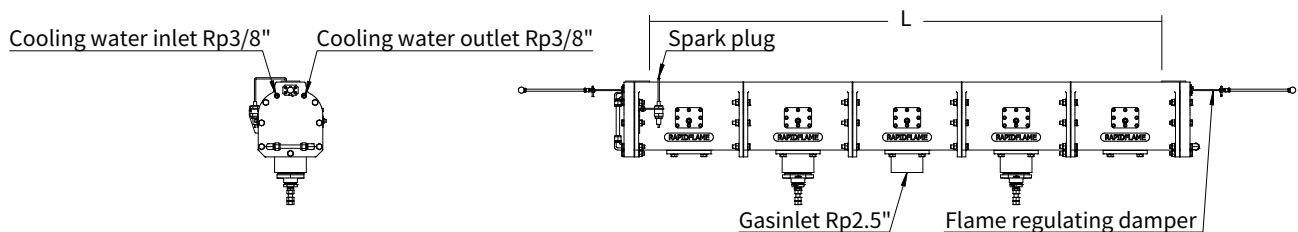
TRI-M Flame Burner

The TRI-M linear burner is a specialized device for flame treatment of surfaces such as cardboard, films, fabrics, glass, and steel plates. Designed with a robust and stable structure, it features a water-cooled system to withstand mechanical impact and high-temperature environments. The stainless steel corrugated plates form flame ports that generate a uniform and continuous flame, ensuring rapid ignition and shutoff.

- Cast aluminum housing
- Uniform flame distribution
- High flame velocity
- Water-cooled design
- Modular structure for customizable length

> Product Specifications

Power (kW / 1500mm)	Gas Inlet/Outlet Dimensions	Cooling Water Inlet/Outlet Dimensions	Cooling Water Flow Rate (L/min)	Gas Pressure Before Nozzle (Pa)
300	Rp2.5"	Rp3/8"	30	500



Note: The flame length L can be customized as required.

> Typical Applications

Cardboard Surface Treatment: Burn off protruding fibers and loose material to achieve a smooth and even surface.

Fabric Singeing: Remove loose fibers to enhance the fabric's appearance.

Plastic Film Surface Modification: Utilize the chemical properties of flame plasma to improve the adhesion properties of plastic films for printing and bonding.

Heating Plastic Films: Flame perforation. Heating of plastic films over water cooled rolls with selective 'hot points' to form small holes.

Metal Sheet and Coil Pre-treatment: Flame treat of metal surfaces to remove microscopic oil films, droplets, and dust particles before coating to ensure optimal coating adhesion.

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