



THE FLAME  
TREATMENT  
UNIT



LA.RA

STREAMER

# The Industrial Flame Treater by LA.RA

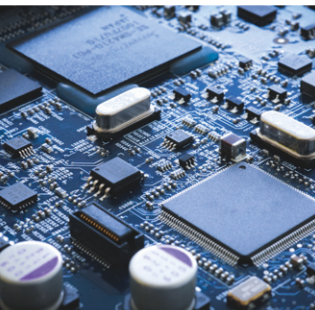
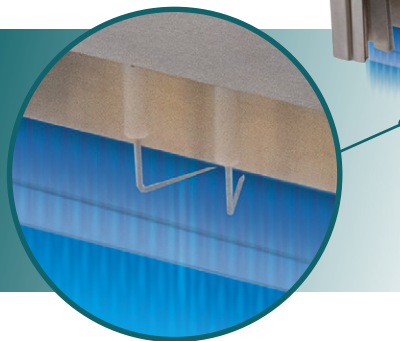
## What is it and what does it do?

- Surface treatment to improve **wettability** and **adhesion**.
- Excellent anchoring for inks, glues, paints, and coatings.
- Ideal for difficult materials (PE, PP, polycarbonate).
- Perfect for pre- and post-printing processes.



## Advantages

- More reactive and porous surfaces.
- Better adhesion for printing and gluing.
- Removal of grease and impurities.
- Possibility of imparting additional properties (anti-corrosion, anti-scratch).



## Main Applications

**Printing:** Pad printing, inkjet, screen printing, tube/cable coding.

**Bonding/Lamination:** Gaskets, glues on folding cartons, flocking.

**Cleaning:** Plastic, metals, semi-finished products.

**Converting/Paper and**

**Cardboard Industry:** Fold-and-glue lines.

## Sectors of Use

**Packaging:** Plastic/aluminum films, plastic-coated boxes.

**Transport:** Dashboards, bumpers, gaskets, motorcycle/car parts.

**Electronics:** Displays, semiconductors, OV-free (OVC-free) casings/bodies.

**Consumer Goods:** Furniture, household appliances, toys.

**Brake Pads:** Pre-treatment of friction material, increased porosity, adhesion for printing/labels.

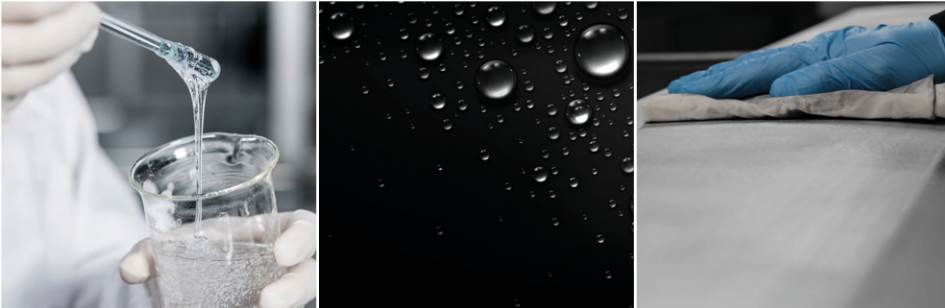
# Field of Application

## Streamer in its fields of application:

If your processes already incorporate the use of industrial flame treaters, you are certainly aware of their potential. If not (or even just out of curiosity)...

**STREAMER is designed to meet all those requirements where it is beneficial:**

- Heating a product to bring it to the required higher processing temperature.
- Using flame heat to enable rapid drying and/or evaporation of residual moisture.
- Altering the structural properties of materials, such as plastics and paints, through the application of heat.
- Removing combustible residues from surfaces.
- Improving the adhesion of glues, adhesives, and other bonding agents.



In addition, of course, to all those applications that are an integral part of your process and which we will be happy to analyze.

*“What gets measured gets improved”.* Galileo Galilei

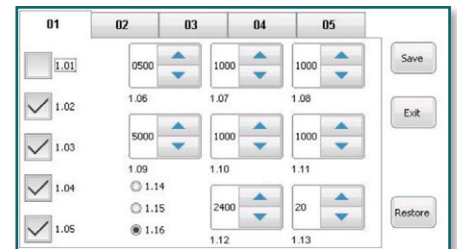
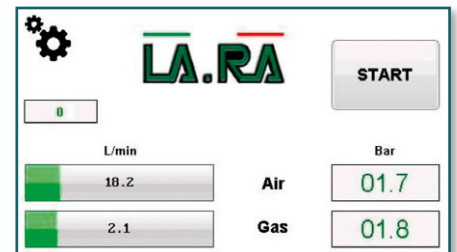
# Main Advantages

## Precise Configuration and Enhanced Analysis with:

- Detailed, customizable parameters
- Real-time value monitoring
- Optional air/gas pressure switches for high-precision operation

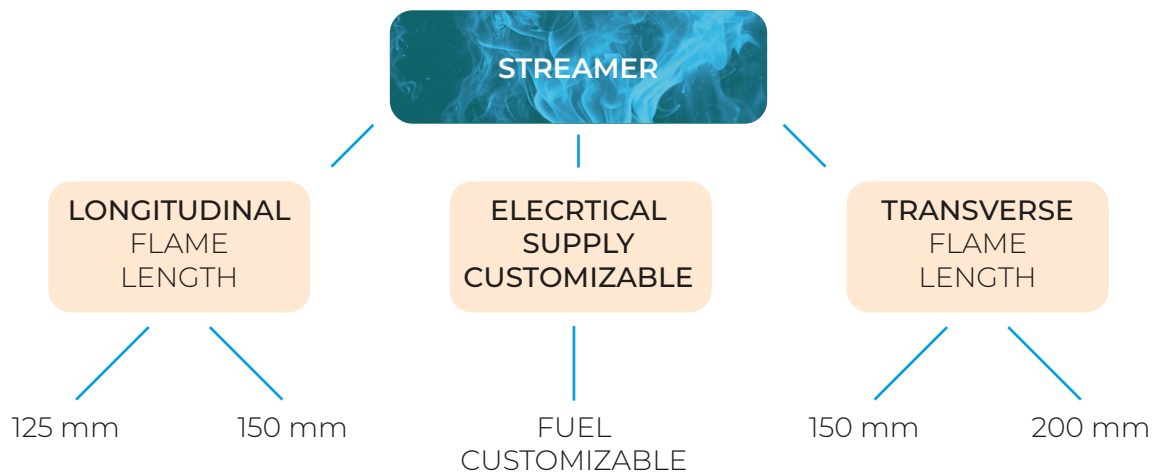
## Simplified Support

The integrated CODE interface language ensures clear understanding during assistance, even when the parties speak different languages.



# Configurations & Control

Multiple Configuration Options Available:



## Reliability Testing

We perform the final (and most critical) tests by simulating actual production conditions, for real-world validation:

**Test method:** ON/OFF ratio = 3:1

### Test 1

350,000 Cycles  
Alternating cycle 8  
hours/day  
No anomalies

### Test 2

350,000 Cycles  
Alternating cycle 12  
hours/day  
No anomalies

### Test 3

350,000 Cycles  
Continuous operation  
No anomalies

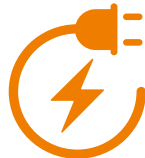
# Safety First

## A Look at Safety

High-level thermal insulation across the entire surface  
=  
Reduced risk of burns



Separate Power Supply Unit  
=  
No presence of voltages greater than 24V on the board



Integrated Safety Sensors  
=  
Maintenance of safety standards even for standalone applications



## The Advantage of Integrated Alarms



The STREAMER 150-T constantly monitors:

- Air flow > below minimum level  
> above maximum level
- Gas flow > below minimum level  
> above maximum level
- Air pressure > below minimum level  
> above maximum level
- Gas pressure > below minimum level  
> above maximum level
- No flame detected after ignition cycle
- Fan RPM below setpoint
- Gas presence
- PLC reset

+ Immediate problem identification

+ Targeted and effective interventions

+ Faster resolution times






# Reduced Intervention Times

## Intervention Capability for Adjustment/Faults:




<b>Previous Version</b>	<b>Streamer 150 -T</b>	<ul style="list-style-type: none"><li>• Easily inspectable</li><li>• Faster ignition/sensor adjustments</li><li>• Plug-and-play control unit</li></ul>
Complete housing removal ↓ <b>Unit replacement</b>	Side inspection openings ↓ Front inspection openings ↓ <b>Quick replacement of the control unit</b>	Removing the control unit allows it to be sent for repair without detaching the flame treater. Less machine downtime, lower repair costs.

## Additional Features

### Implemented Improvements

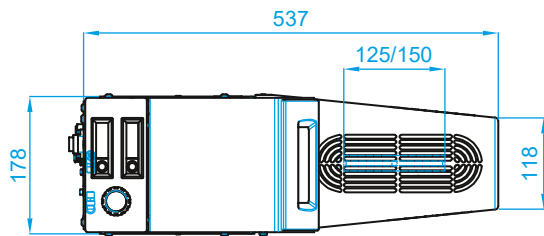
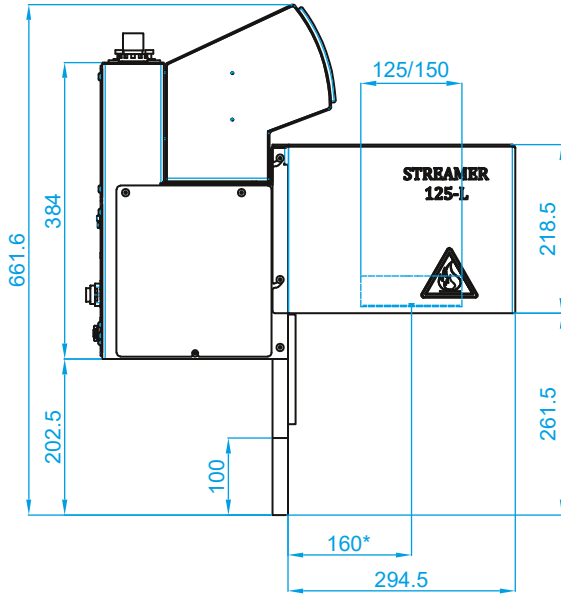
-  Adjustable fan speed
-  Stand-alone function for offline use
-  Integrated ignition safety timer

### Optional Accessories

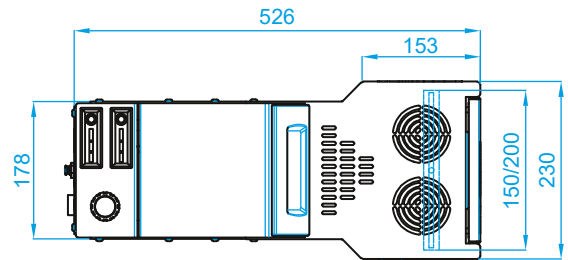
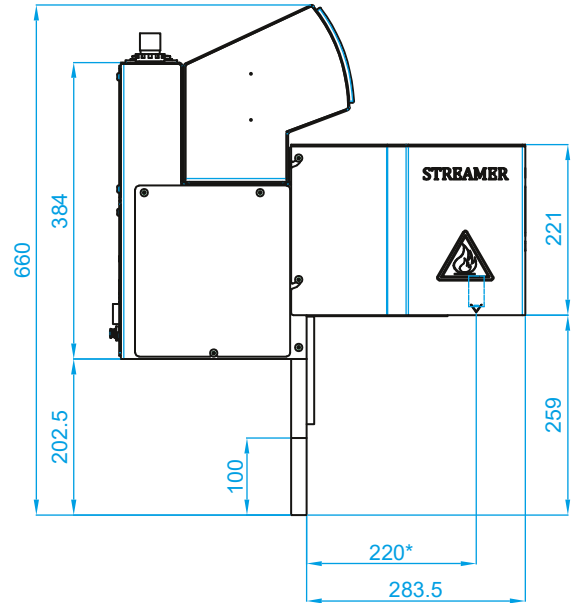
-  Gas pressure switch
-  Air pressure switch
-  Ethernet Card  
Industry 4.0 Oriented

# Technical Data

Streamer -L



Streamer -T



## Contact Us

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## BOOK A TEST

Experience the features of the STREAMER 150-T firsthand.



## GET IN TOUCH

For any information or questions, our expertise is at your disposal.

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[www.officialara.com](http://www.officialara.com)