

Instructions for use atmospheric pressure - plasma indicator



Plasma Indicator

Plasma indicators are adhesive labels equipped with a special textile. If the plasma process succeeds, the textile dissolves. This is the first time that the successful plasma treatment can be demonstrated at a glance. Until now, this was only achieved with a high technical effort.

Functional Principle

The adhesive label is adhered to a component or dummy. This is exposed as a reference to the plasma jet, but the indicator has no effect on the actual plasma process or on the component itself. During the treatment, the textile is destroyed.

Power

Our atmospheric plasmasystems, for example the Plasmabeam Standard with a power of 300 W, completely destroy the textile during the plasma treatment at over 500 m / s and thus reduce the successful plasma treatment.

Labeling Field

The adhesive label has a so-called labeling field, which makes it possible to mark the date and time of the Plasma process accurately.

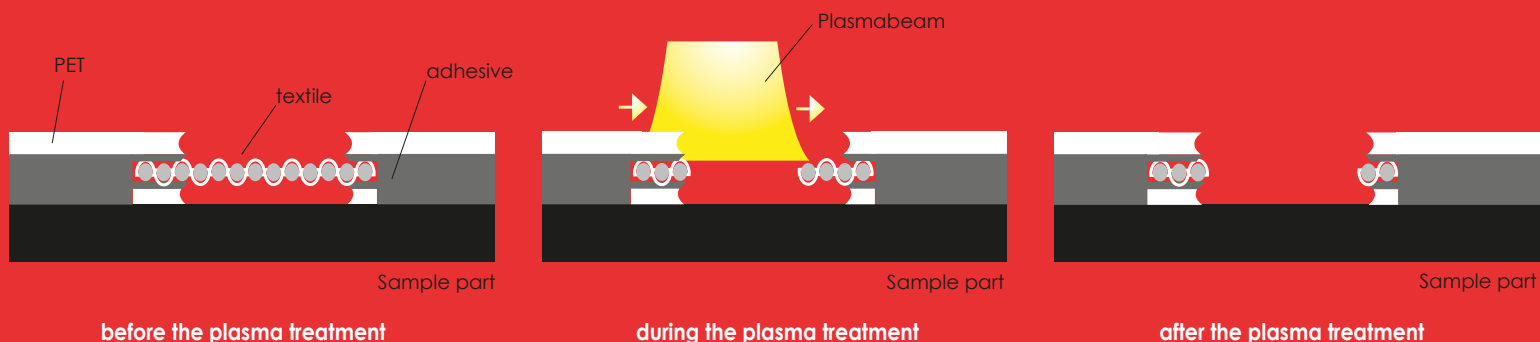
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Use

The atmospheric pressure plasma indicators can be used for the following Areas:

- Prove successful treatment on component
- Adjust the optimum treatment distance
- Test the function of the atmospheric pressure plasmasystem

The question frequently arises of how to show that a plasma process has been successful. The functionality of the atmospheric pressure plasma system can be detected by the indicator. For this, the plasma indicator is exposed to the plasma beam during the treatment. In the case of a successful process with an optimal treatment distance and a functioning plasma nozzle, the textile is completely destroyed and thus the surface change is detected.



Advantages

The Atmospheric Pressure Plasma Indicators from Diener electronic GmbH & Co.KG ensure a simple quality assurance.

Furthermore, no additional technical effort is required since the handling of the indicator is simple and easy to understand.

Are you interested in our new product? Please contact:
Info@plasma.com or visit us on the Internet at www.plasma.com

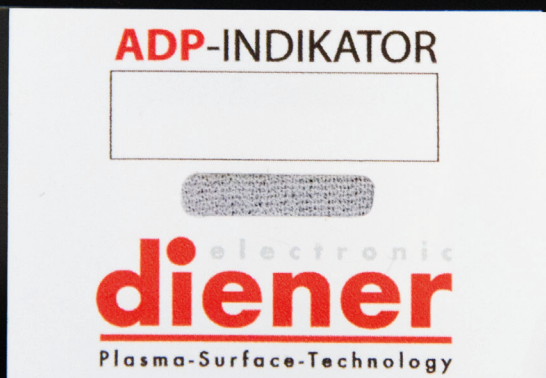
www.plasma.com

Technical specifications atmospheric pressure - plasma indicator

Stand 24.11.2016

Description:	Atmospheric pressure plasma indicator (Adhesive label)
order number:	100020316
Indicator dimension: [W x H x D]	36 mm x 25 mm x 0.2 mm
Fabric window: [W x H]	13 mm x 3 mm
Packing unit 1 sheet:	9 adhesive labels
Use / Application:	Atmospheric pressure plasma systems
Handling / Notes:	Sticking the label on the component or dummy. Textile must be complete after the plasma treatment To be destroyed. Do not touch the fabric with your hand. Label can cause glue residues.

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before the plasma treatment



Gas types:

oxygen, nitrogen, hydrogen, air, Mixture of hydrogen and nitrogen ...

Accuracy of the labels: $\pm 10\%$

Storage:

cool (15 - 35 ° C), dry and dark, before sunlight protected

Material Label:

Polyethylene terephthalate

Temperature range:

Up to 60 ° C without restriction
Up to 80 ° C maximum 10 min
Up to 90 ° C maximum 5 min
Up to 100 ° C max. 2 min
Up to 150 ° C maximum 1 min

Hazard warning: non-toxic



after the plasma treatment

These details are for informational purposes only. Users should use their own discretion in discerning whether the product is suitable for the respective application. Subject to change without notice.
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