

PLASMA



Plasmatreat Cell

VENDOR

Plasmatreat

MATERIALS

Plastics, metals and glass to cardboard, textiles and composites.

Plasma pretreatment, or **Plasmatreat**, is the key enabler technology for microfine cleaning, surface activation and plasma coating of nearly all kinds of materials – from plastics, metals and glass to cardboard, textiles and composites.

When plasma comes into contact with solid materials like plastics and metals, its energy acts on the surfaces and changes important properties, such as the surface energy.

APPLICATIONS

Aerospace, automotive, energy, defense, shipbuilding

SPECIFICATIONS

- Robot: R1000A, 2.23 m reach, 80 Kg, 6 axis
- Large Working Area: 1'M x 1'M



In the manufacturing industry, this principle is used for selective modification of material characteristics to increase in the adhesiveness and wettability of surfaces.

This makes it possible to use completely new (even non-polar) materials and environmentally-friendly, solvent-free (VOC-free) paints and adhesives industrially.