



# TRI-STAR TECHNOLOGIES

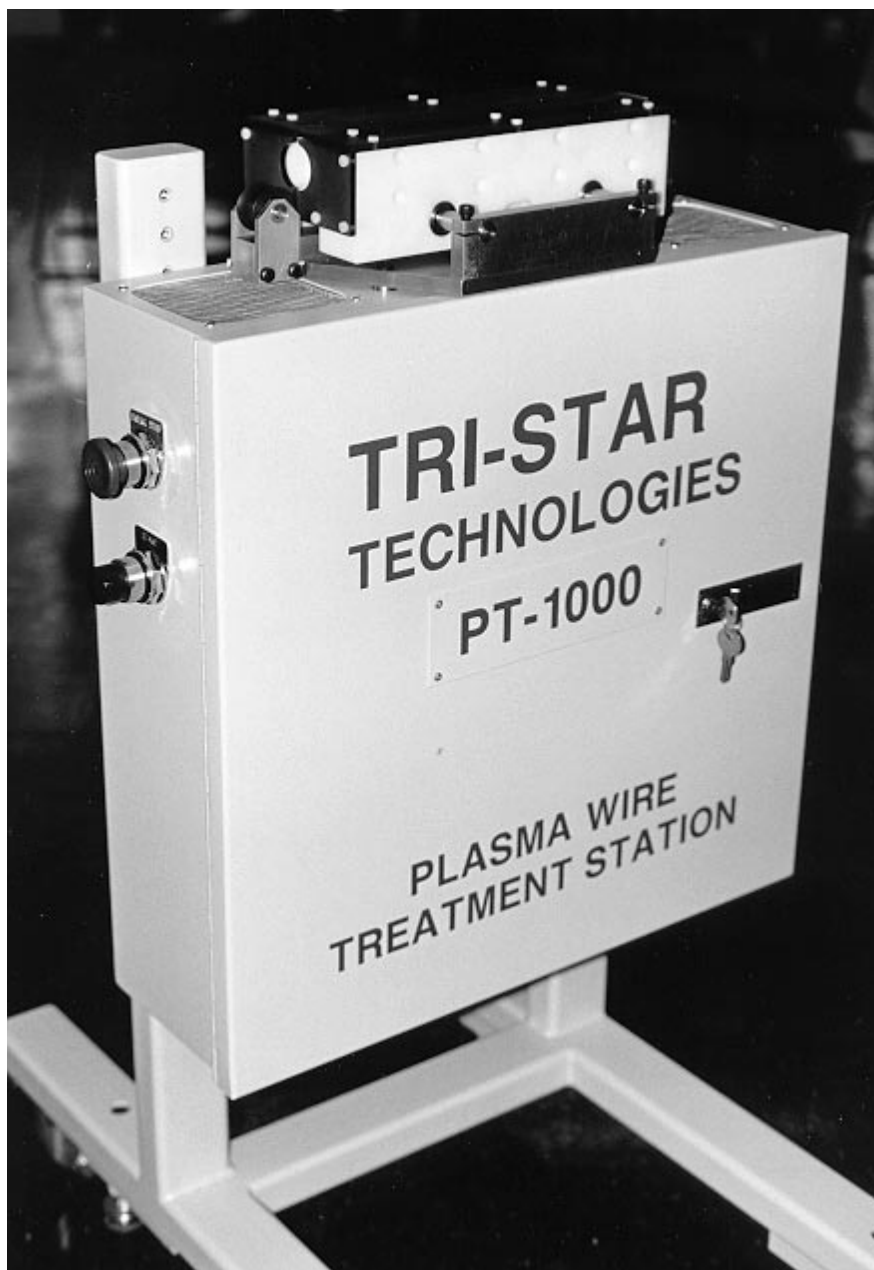
## PLASMA TREATMENT SYSTEM

**NEW**

THE MOST ADVANCED METHOD TO IMPROVE  
ADHESION TO WIRE AND CABLE INSULATION.

### INTRODUCTION

**T**ri-Star Technologies presents a revolutionary solution that allows manufacturers and users of wire and cable to significantly improve print quality related with marking/stripping on most insulation materials, including Teflon. Now with the introduction of its newest model, the PT-1000, Tri-Star once again makes a giant stride forward in plasma treatment technology for the wire and cable industry. The PT-1000 requires no gas, no vacuum, no encoder signals and can work at any line speed up to 1000 feet a minute. With its unique automatic split treatment chamber assembly, the PT-1000 interfaces easily with any wire processing equipment, including extrusion lines, wire markers & strippers. With its advanced electronics, the PT-1000 is also extremely reliable and very safe to operate.



**PT-1000**  
**Plasma Treatment**  
**System**

**TRI-STAR  
TECHNOLOGIES**

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# ***The PT-1000 Improves...***

## **WETTABILITY**

Wettability is the ability of solids to retain liquids on their surface. The higher the surface energy of a substrate, the better wettability it will have. Most insulation materials, especially fluoropolymers, have low surface energy. The PT-1000 significantly increases the surface energy of the insulation material.

## **DURABILITY**

Durability is the ability of the insulation material to retain cured ink on its surface. The PT-1000 improves the adhesion by enhancing the ink spread over the surface, and therefore, allowing more ink molecules to interact with the substrate.

## **CONSISTENCY**

The PT-1000, by controlling the wettability of the substrate, guarantees the mark applied to the insulation material is of consistent quality (legibility, contrast, durability, etc.). Consistency is maintained regardless of local surface defects, storage conditions and deformations of the wire during the marking/stripping process.

## **FEATURES**

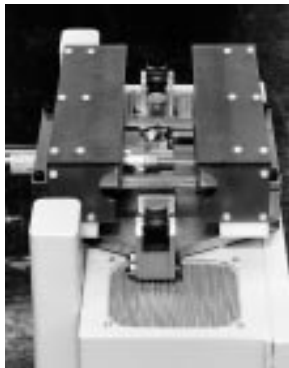
- Stand Alone Unit, No Encoder Signal Required
- Gasless, Works In Ambient Environment
- Works In-Line With Any Marking/Striping Equipment
- Split Electrode Design Allows Easy Threading
- All Solid State Electronics Makes Unit Safe And User Friendly
- No RF Interference
- Reduces Curing Time For The Ink

## **SPECIFICATIONS**

- Dimensions: 40" H x 32" W x 25" D
- Power: 120V, 60 Hz (220V, 50 Hz)
- Operating Environment: Temp. 45-90 degrees, Hum. 80% max.
- Production Rate: Up To 1000 feet/minute
- Wire and Cable Range: 0.020" to 0.50" (add. sizes available)
- Wire or Cable Insulation Materials: Kapton, Kynar, Nylon, Tefzel, Teflon, PVC, etc.

# ***New Split Electrode Chamber***

***open***



***closed***

