



# TRI-STAR TECHNOLOGIES INK JET WIRE MARKING SYSTEM

Tri-Star Technologies, a wire processing equipment company, introduces the **M-100J**; the industries first **FULLY INTEGRATED, HIGH SPEED, INK JET WIRE MARKER WITH AN INTEGRATED PLASMA PRE-TREATMENT & UV CURE SYSTEM.**

## INTRODUCTION

**T**he M-100J is a fully automatic, computer controlled, high speed ink jet wire and cable marking system. This new and unique wire processing system is the first in the industry to integrate an in-line plasma pre-treatment system. This proprietary plasma device not only enhances the quality and durability of the mark, but it also gives the M-100J the ability to print on almost any wire insulation material, including fluoropolymers (Tefzel, Teflon, etc.)



M-100J Ink Jet Wire & Cable Marker

## FEATURES

- High Speed, up to 600 feet per minute.\*
- Instant in-line curing, no post curing required.
- Utilizes a patented plasma pre-treatment system to allow printing on almost all insulation materials.
- Utilizes UV curable inks, various colors available.
- Meets MIL-W-5088L & MIL-M-81531.
- Surface print, no insulation damage.
- Full or semi-, nick free stripping.
- Totally microprocessor controlled.
- Bare wire and knot detection.
- Accommodates wire/cable: .025" to .250" or larger.\*
- Accommodates both round & twisted cable.
- *Integrated* plasma pre-treatment provides a high contrast mark that will not rub off!

## SPECIFICATIONS

- Dimensions: 56"H x 60"W x 28"D
- Weight: approx. 350 lbs.
- Power requirements: 208 VAC 60 Hz. 3 $\phi$ , 30A
- Wire lengths: 1" to 9,999"
- Strip lengths: 1/8" to 1/2"
- Air: 90 PSI, 10 CFM
- Ink colors: Black, Magenta or White\*

# These M-100J System Components...

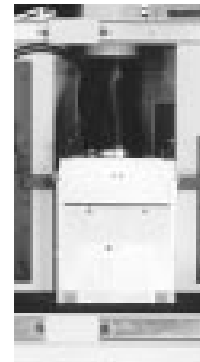
## INTEGRATED PLASMA PRE-TREATMENT SYSTEM

- Totally integrated with M-100J Ink Jet Wire and Cable Marker
- Improves wetting and adhesion characteristics of wire & cable insulation materials (Tefzel, etc.)
- Will not affect the bulk properties of the insulation material.
- No gas required, works in ambient environment
- Easy and fast wire threading
- Safe to use



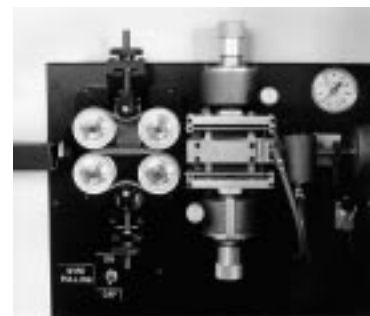
## INTEGRATED UV CURING SYSTEM

- Works in-line with M-100J Ink Jet Wire and Cable Marker
- Wire is instantly cured as it passes through the oven
- Cured wire meets MIL-W-5088I & MIL-M-81531 specification
- Easy and fast wire threading
- Safety interlocks protect wire insulation



## INTEGRATED WIRE PULLING/CUTTING/STRIPPING SYSTEM

- In-line device pulls wire up to 600 feet per minute through system.
- Will cut wire from 1" to 9,999" in length.
- Will strip wire, full or partial on one side, from 1/8" up to 1/2" in length.
- Utilizes die-type blades for a no-nick strip.
- Easy and fast blade changes.



*...make the M-100J, the state-of-the-art in high speed, durable wire marking.*

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