



## OPTICAL FIBER UV COLORING SYSTEM

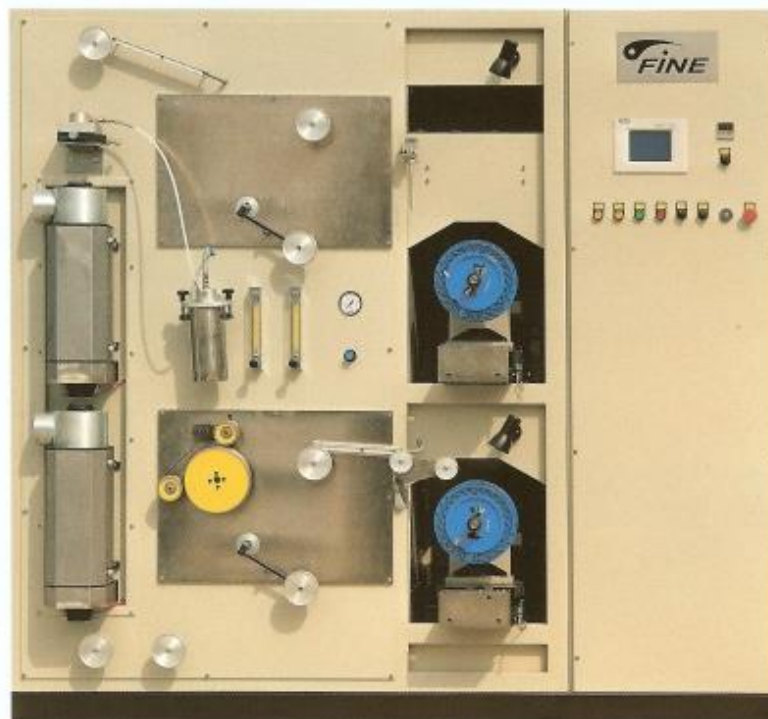
Fine International offers UV coloring machines suitable for high speed, coloring for optical fiber. The units can be used for precision rewind applications up to 1500 meter/min or coloring applications at 1200 meter/min.

The instrument is completely self contained minimizing floor space requirements while providing an ergonomic configuration for the operator. The system contains traversing payoff and takeup, pressurizing coloring ink coating assembly and high intensity UV curing ovens. Tension is precisely controlled in the 0.4 - 1.5 Newton range.

The coating system uses dedicated coating material reservoirs and feed lines. The pressurized material is forced into the coating applicator contacting the fiber through a between a series of precision entrance and exit dies. The small applicator is simple to clean and minimizes material waste during color changeovers.

The twin UV curing ovens use forced cooled, high intensity UV lamps. The UV energy is focused uniformly around the fiber circumference using parabolic reflectors. The fiber path medium is maintained under a nitrogen blanket and completely separated from the cooling gas chamber.

Operators control system function through simple, touch screen display interface.



*The Specialty Extrusion Experts  
Serving the Wire and Cable Industry*

**FINE INTERNATIONAL CORPORATION**



## OPTICAL FIBER UV COLORING SYSTEM

### System Components/Features:

- Optical fiber driven pay-off with traversing unit.
- Pay-off tension dancer
- Color ink applicator (with or without pressure)
- UV irradiation oven
- Metering capstan
- Take-up tension dancer
- Optical fiber driven take-up with traversing unit.
- Static eliminator
- Color ink mixing and preheating device
- Electrical control system

### Technical Characteristics:

- Coloring speed: 1200m/min
- Rewinding speed: 1500m/min
- Rewinding tension: 0.4-1.5+0.05N

### Reel size:

	A	B
Outer Diameter	Φ 236mm	Φ 300mm
Inner Diameter	Φ 160mm	Φ 150mm
Width	108mm	250mm
Weight	3 kg	5 kg

### Operator Controls:

Electrical control system adopt PLC and user friendly touch screen computer control system.

### System Requirements

Power, Nitrogen, Compressed Air

**Contact Fine International for  
The Best Valued Manufacturing Equipment Available  
In the Wire and Cable Market!**

**FINE INTERNATIONAL CORPORATION**  
Machinery Division

106 Apple Street, Suite 116, Tinton Falls, NJ 07724 USA

Tel: 1-732-933-0040 Fax: 1-732-933-4005

www.fineinternational.net finesales@gmail.com