

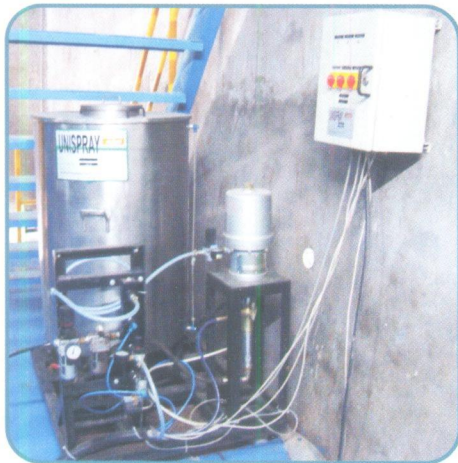
UNISPRAY™

statfield
equipments

A High Performance Automatic Spray Applicator for Polyester Viscose & Other Blends

Advantages:

- Reduces Loading/Lapping
- Less Fly Generation
- No Tint Variation
- No Conditioning
- Improves Yarn Quality
- Uniform Spraying
- Automation



Statfield, Leaders in the field of surface finishing equipments are proud to introduce 'UNISPRAY', a unique fiber finish application system to users of polyester staple fiber in the textile industry. Developed in association with Reliance Industries Limited, the UNISPRAY is an airless applicator specially designed to uniformly spray antistatic finishes on polyester staple and viscose staple or other blends. This unique system not only improves the processability of such blend during various stages of spinning but also reduces space and inventory and at the same time significantly improves quality of the same ultimate blended yarns.

TRADITIONAL METHOD:

The traditional process used by most textile spinning mills is very cumbersome, Polyesters and viscose fibers are usually first laid out on the ground in individual lots. This finish is then sprayed with crude spray equipment. With this large drops of finish solution are developed on the fibers, waiting then to an unacceptable degree and thus adversely affecting processing efficiency of the fibers during subsequent stages upto spinning. Other major disadvantages are non-uniformly of finish within each batch. Then requires extra space and unnecessary inventory of fiber stock.

THE UNISPRAY METHOD:

We have developed a superior method (for which a patent has been applied) of spraying finish which eliminates the disadvantages of the traditional methods. Statfield Equipments Pvt. Ltd. Pune have designed a unique system called the " UNISPRAY " based on the concept initiated by the Reliance. The Unispray involves spraying the finish under very high pressure with the help of ratio pump operating on compressed air. The finish is forced through a small nozzle resulting in fine atomization without forming any droplets. These atomised particles are then directed on polyester and viscose fiber blends during the blending operation, using a typical blending hopper feeder.

The system deliver precisely measured amounts of finish on the fiber. There is also a provision to automatically stop the spray if no fibers stock is present in the hopper feeder

ADVANTAGES OF THE "UNISPRAY" OVER TRADITIONAL METHODS:

- Uniform and measured rate of spray with a high degree of fiber coverage.
- Fully automatic process, no wastage of finish or excess over spray.
- No wetting of fiber, hence subsequent processing trouble free.
- Higher productivity and better quality of final yarn due to steadier working conditions.

"UNISPRAY" unique features:

- Airless spray system for reliability and quality of spray.
- Specialty designed for Auto Spray gun oscillator system.
- Control panel component consists of solid state devices to ensure continuous trouble free working, reliability and safety.
- Contact less control system assures longer life and avoids fire hazards.
- No degradation of performance caused by dust, gases and corrosion.
- 100/300 Liter container (SS) capacity.
- Reduction in manpower is possible.
- Saving in conditioning time of about 24 hrs. Per batch.
- Saving in space and working inventory as stacking conditioning and drying becomes unnecessary.

THE SYSTEM COMPRISES:

- Ratio pump
- Auto spray gun mounted on oscillator
- Control Panel
- Container
- Pneumatic / Fluid hoses of 10m length
- Spray Nozzle



PRODUCT RANGE:

- Electrostatic Powder Coating Equipments
- Electrostatic Liquid Painting Equipments
- Conveyorisred Plants
- Overhead Conveyors
- Automated Storage Systems