

# Radio Frequency Drying Systems for the Textile Industry

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## Batch Dryer

### PS12T



#### Features

- Designed to process yarn of all types, in all forms
- PLC control with fault diagnostics
- Highest quality finished product at optimum rates of production
- Cost effective drying for small batches with minimal operator involvement
- Flexible, precise and efficient at low rates of energy consumption
- Meets CE and current emission regulations throughout the world



- Reduction of energy consumption
- Auto-control systems avoids operator error
- No steam requirements
- No dye migration
- Pollution free
- Rapid pay-back
- Immediate heat - no warm-up time
- No contamination
- Automatic moisture control
- Improved workplace environment - no radiated heat-loss

**Strayfield** 

# Technical Specification

## PS12T Batch Dryer

### PS12T Performance Specification

| Product      | Moisture | Production/Hour |
|--------------|----------|-----------------|
| Polyester    | 14%-2%   | 100 kgs         |
| Acrylic      | 15%-2%   | 100 kgs         |
| Polyamide    | 18%-3%   | 100 kgs         |
| Wool/Acrylic | 33%-11%  | 70 kgs          |
| Wool         | 42%-17%  | 55 kgs          |
| Poly/Cotton  | 30%-5%   | 50 kgs          |
| Cotton       | 52%-8%   | 30 kgs          |
| Viscose      | 80%-11%  | 20 kgs          |

### E200 Operator Screen

This system has the capacity to pre-set operating parameters for various product menus. The most commonly used machine settings are easily entered. The operator can select the required product by the simple push of a button.

### Full Fault Diagnostic System

If a fault occurs, the cause of a fault is immediately displayed for the operator to see. The fault display also provides information to the operator on the relevant circuit reference where the fault has occurred and gives a list of check items to clear the fault.

### Built-in-Maintenance Reminders

The E200 Operator Screen automatically displays when maintenance should be undertaken and provides a message to the operator.

### PS12T Technical Specification

|                                  |                                |
|----------------------------------|--------------------------------|
| RF Power                         | 12 kW                          |
| Frequency                        | 27.12 MHz                      |
| Oscillator Conversion Efficiency | 70-75%                         |
| Unit Cooling                     | Air                            |
| Electrical Supply                | 360-600V±5%<br>50/60Hz 3 Phase |
| Overall length                   | 1462                           |
| Overall height                   | 2070                           |
| Overall width                    | 2642                           |
| Max electrical mains supply      | 25 kVA                         |



Strayfield has a policy of continued improvement and reserves the right to alter the specification at any time without notice.

For details of guarantee refer to Strayfield Standard Terms and Conditions of Sale