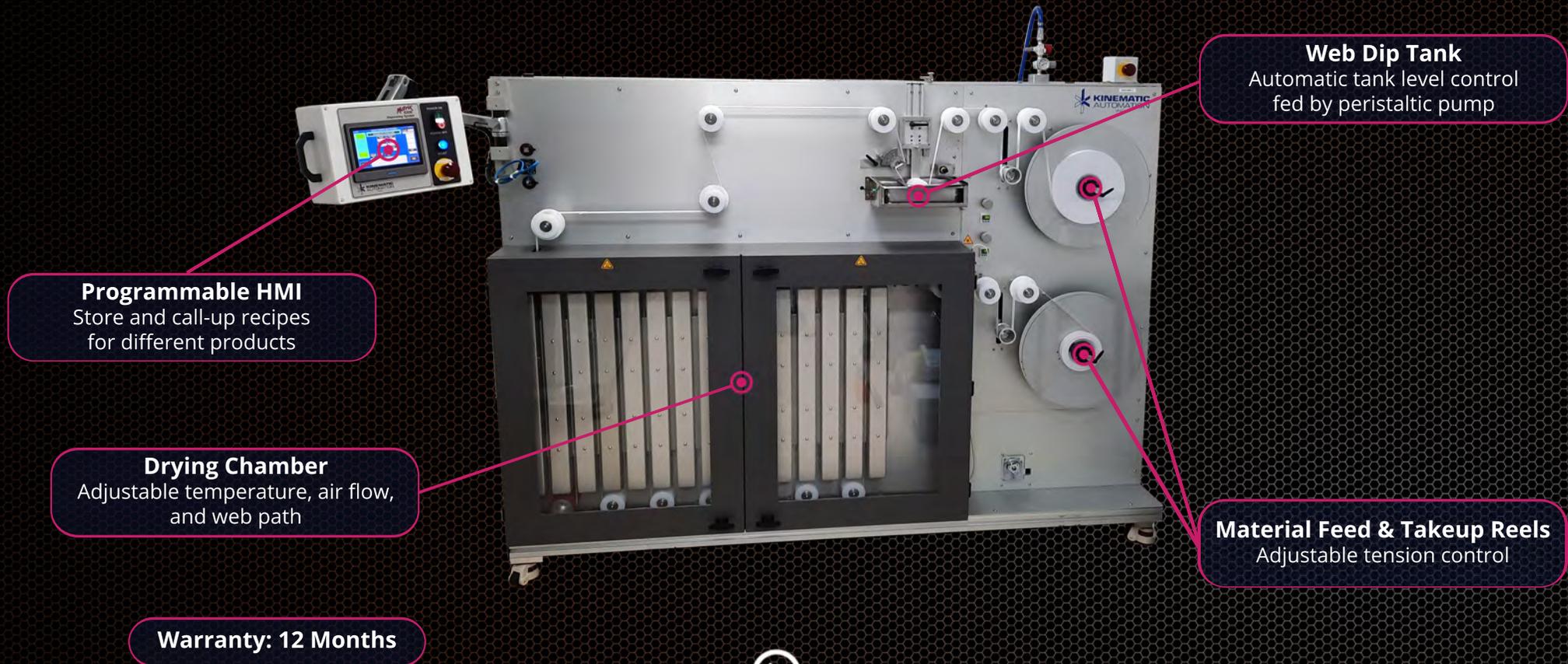


# Matrix™ 6300

Up to 15  
cm/sec

## Dip Coating for Narrow Webs



The *Matrix 6300* allows for continuous coating of delicate and narrow materials for lateral flow assays and other, similar products. The integral High Efficiency Dryer provides for an automatic drying process allowing improved efficiency and product quality.

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**Capacities**

Web width: 5 mm – 50 mm  
 Dryer chamber: standard model variable to 55° C  
 up to 75° C with 3rd dryer option  
 Dryer/blower air flow: variable, 2832 lpm max  
 Drying chamber web path: variable up to 12 m

**Backed nitrocellulose, conjugate, and sample membranes**

Web supply & rewind: 76 mm ID x 40 cm OD

**Performance**

Web speed: 1 cm/sec – 15 cm/sec ± 2%

**Facilities Requirements**

Power: 208 - 230 VAC, 50/60 Hz, 32 A single phase  
 Process air: 99 lpm @ 6.2 - 8.3 bar

**Dimensional Specifications (approx.)**

Size: 2.1 m L x 1 m D x 1.7 m H  
 Weight: 420 kg



**Operating Environment**

Relative humidity 10% to 50% at 30° C  
 Temperature 1° C to 30° C

**Key Features**

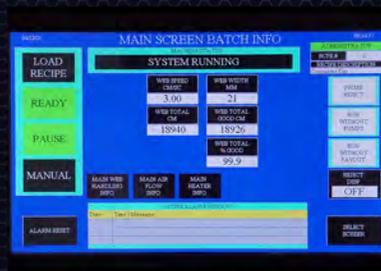
Payout and take-up of material on reels  
 Payout tension and takeup tension controlled with separate feedback loops  
 Dip tank with automatic level monitoring and peristaltic pump control  
 3 Inlet blowers for drying chamber each with controllable air flow  
 IR (Infrared) temperature sensor for web at exit of dryer  
 Library of up to 14 different recipes with all process parameters  
 Different security levels for different operations  
 (Operator, Maintenance, R & D, and Administrator)  
 Support for printing reports (printer not included)

**Options**

3<sup>rd</sup> dryer/blower element



Peristaltic pump automated to keep dip tank at set level



HMI screen



Drying chamber variable material path 3 m to 12.5 m



Specifications subject to change without notice