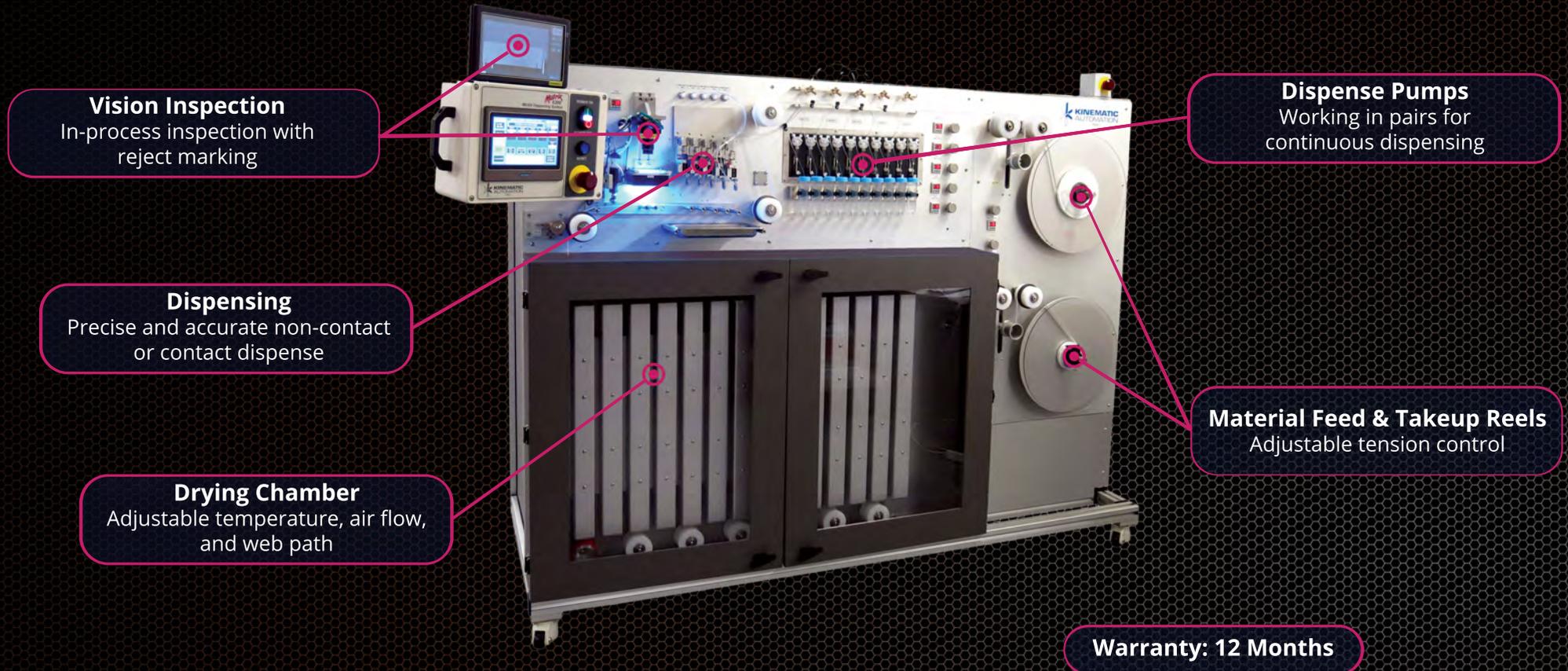


# Matrix™ 6300

Up to 15  
cm/sec\*

## Automated Dispensing System



The *Matrix 6300 Reel-to-Reel Dispensing Platform* offers continuous reagent dispensing in a compact high efficiency module for moderate to high volume production.

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### Capacities

Web width: 5 mm – 50 mm  
 Dryer Chamber: standard model variable up to 55° C ± 4%  
 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 400 mm OD

### Performance

Web Speed: 1 cm/sec – 15 cm/sec ± 2%  
 Pump Dispense Rate: 0.5 to 2 µl/cm ± 5%, 2 to 20 µl/cm ± 3%

### Facilities Requirements

Power: 220 VAC, 50/60 Hz, 30 A Single Phase  
 Process Air: 70.8 lpm @ 5.3 bar

### Dimensional Specifications (approx.)

Size: 211.7 cm L x 91.6 cm D x 166.2 cm H  
 Weight: 453 kg

### Operating Environment

Relative Humidity 10% to 50% at 40° C  
 Temperature 10° C to 27° C

### Key Features

High efficiency directed air plenum design drying chamber  
 Low web tension capability  
 100% in-process inspection with reject marking  
 Touchscreen operator interface for ease of setup/operation  
 Multiple recipe storage  
 Simple Validation  
 Closed loop speed/dispense control  
 Highly precise liquid delivery  
 Micrometer Adjustable line positions  
 Web temperature sensing

### Options

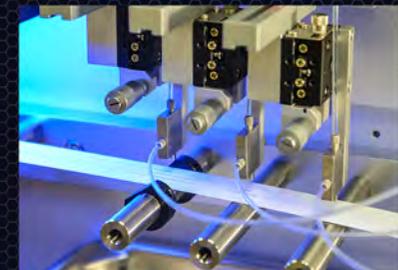
3<sup>rd</sup> dryer/blower element  
 Contact or non-contact striping  
 Dispense up to 5 lines standard system  
 Dispense up to 10 lines (adds 25.4 cm to system height)  
 Dip tank with peristaltic pump and fluid level sensing



Optional dip tank with peristaltic pump  
and fluid level sensing



Vision Inspection Screen



Non-contact three line dispensing



Specifications subject to change without notice