

MatrixTM 6500

Dip and Dry Module



Shown with optional web steering and squeegee roller assembly

The **Matrix 6500TM Dip & Dry Module** was developed to meet the requirements of the moderate to high volume production facility. The unit was designed in modular fashion to allow process flexibility while at the same time optimizing product yields and throughput.

The **Matrix 6500** allows for continuous coating of membrane materials for lateral flow assays and other, similar products. The integral high efficiency dryer provides for a hands-free drying process allowing improved efficiency and product quality.

Multiple recipe storage provides for simple and reliable set-up & operation while simplifying process validation.

SPECIFICATIONS

Key Features

- Simple setup and operation
- Recipe storage to support multiple products
- Variable web tension control
- Closed loop speed control
- Touch screen operation on Integral Swing Arm
- Automatic dip tank level control with peristaltic pump
- Output & Take-up Reel flanges provided
- Integral casters for easy mobility

Capacities

- Web width: 0.25" to 6" (0.6 cm to 15.2 cm)
 - wide webs will require options
- Supply roll OD 20" (51 cm) max, 3" (7.62 cm) ID core
- Dip tank with various saturation positions
- Drying chamber path variable, up to 50' (15.24 m)
- Dryer temperature variable up to 80°C (176°F)

Performance

Web speed: 0.4"/sec to 4.7"/sec
1.0 cm/sec to 12.0 cm/sec
±2% full scale accuracy

Options

- Lexan enclosure to minimize particulate contamination
Upgraded dryer capability
- Air dehumidifier for drying chamber (may be required for wide webs)
- Web Steering Mechanism (required for wide webs)
- Urethane Squeegee Roller Assembly

Facilities Requirements

- Power 200-240 VAC, 50/60 Hz, 30-50 Amps Single Phase/Amperage Varies Depending on Options
- Pneumatic: 1 scfm / 80 - 120 psi
28 lpm / 5.5 - 8.3 bar

Dimensional Specifications (approximate)

108" W x 35" D x 69" H
2.7 m W x 0.9 m D x 1.75 m H
Weight : 1100 lbs. (500 kg)

Warranty

..... 12 months

Specifications subject to change without notice

