LM5000RB Roller Bed Conveyor System for Tubes

The LabelMill LM5000RB Rollerbed Systems can help automate your label application for tubes and other round containers or products. The LabelMill rollerbed conveyor is paired with a synchronous feed label applicator to automatically and accurately apply labels to tubes. It uses a powered hopper that allows the operator to load batches of tubes, which are automatically dispensed and spaced on to the rollerbed conveyor system. Once triggered, the synchronous feed module feeds a label between the conveyed tube and a powered wrap-belt assembly to wrap the label around the tube. Once labeled, the tubes feed off of the conveyor or drop into an integrated catch-bin to accumulate for the operator to collect.

The whole system is highly effective yet extremely simple, especially since it uses modular components, controls, and an interface that are very easy to use and easy to service and maintain. The system utilizes a PLC control and touch screen to enable the operator to access the system settings and counters. The label applicator is mounted to a heavy duty upright with vertical and horizontal adjustments. The LM5000LRB turnkey system mounts to a mobile base that allows the system to be moved easily from one production line to another.

Picture shown with the LM3542 Synchronous Feed Print & Apply Label Applicator
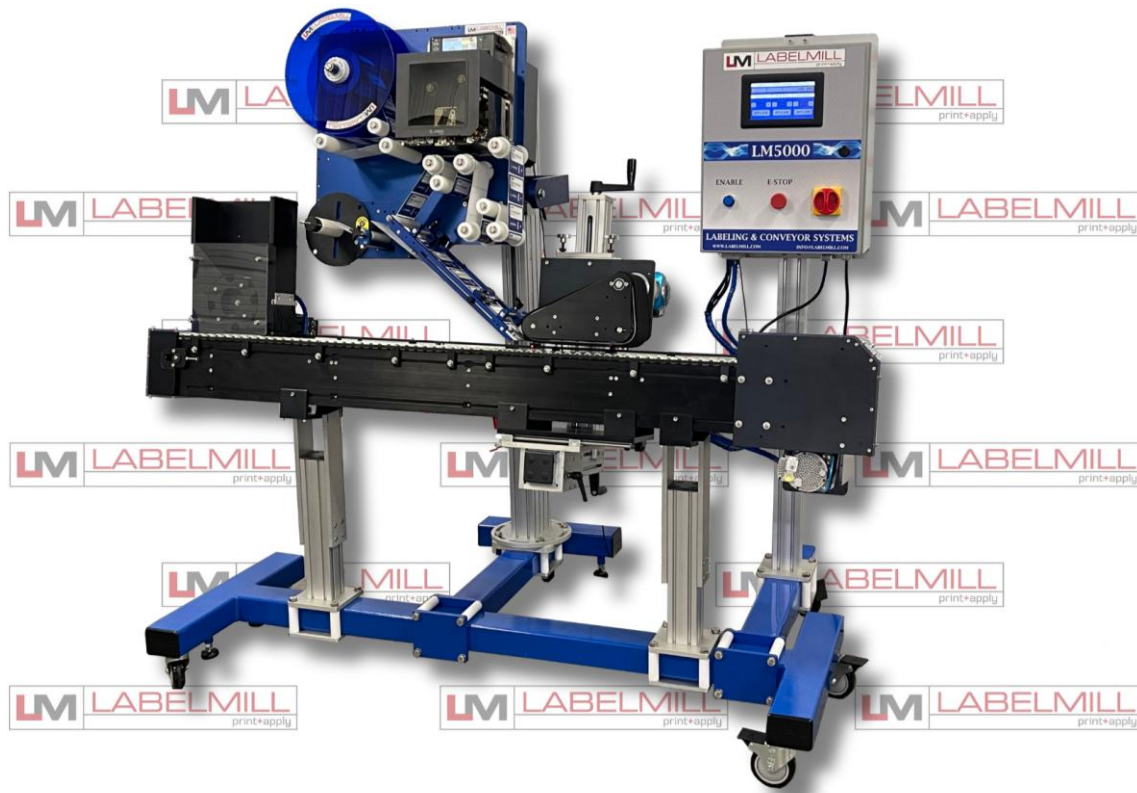
System Specifications

Throughput Rate
60-100 / Minute, Product Dependent

Standard Product Range
Minimum: 1.0" X .50" OD
Maximum: 6.0" X 1.0" OD

Label Placement Tolerance
Up To +/- 1/16" When Labels and Product Are Produced To Specifications

Interface Sensors
Product Sensor - Photoeye / PLC Input
Auxiliary Outputs with Connector

Electrical Input
120vac / 60hz -- 15 Amps

Label Roll Capacity
12" Max Outside Diameter (16" O.D. Optional), Wound on a 3" Core.
Die-Cut, Waste Removed with a Minimum 1/8" Separation Between
Labels In Running Direction

Acceptable Label Sizes
Minimum 1/2" Wide X 1/2" Long
Maximum 6" Wide X 3" Long (Optional Sizes Available)

Application Methods
Wipe-On (Synchronous Feed)

Environment
Operating 50-95 Degrees F (10-35 Degrees C)
15-85% Relative Humidity, Non-Condensing

General Size
Typical: 72" Long x 55" Wide x 70" High

Weight
500 Lbs

Options
Available Print & Apply (Black & White Or Color) Or Apply Only Label Application
Other Options Available Upon Request