



# Tube Hot Foil Stamping TSM Rise-50

#### \*Preliminary Information

High precision, automatic Tube Hot Foil Stamping Machine designed to decorate plastic tubes at speeds up to 50 per minute.

### **Features**

- **TSM Rise-50** features a 5 station Vertical turret driven by a brake-type servo motor with gearbox.
- Radial and axial registration of tube is done by servo motors to achieve higher speeds.
- Stamping head adjusts to each tube's eye mark print variation, to improve axial accuracy during stamping. This movement of the stamping head is achieved with a stepper motor.
- Dual foil feed for two colour stamping (optional)
- Tube Sleeve stamping provision (Optional)
- Print Camera inspection (Optional)
- Ergonomic machine design for quick and easy changeover
- Infeed and outfeed flat belt conveyors
- Large 12.1" vertical HMI touchscreen that can swivel in 2 axes
- Tube test mode to test hot stamping parameters on single tube
- Exhaustive on-screen diagnostics features and alarms system
- No stamping operation if tube not loaded properly
- Operator login and login history
- Recipes with export/import facility
- All setting manuals in pdf format available on HMI
- Changeover and sensor setting guide videos on HMI for easy operability
- Dual color registration (optional) for high precision is possible with eye mark and second color registration by sensor or by camera (optional).
- Remote diagnostics with modem (Optional)
- Multi-client HMI, which allows more than two clients to operate machine, for example from a tablet or smartphone (Optional)
- C E conformity (Optional)



## Technical Data

**Speed**: up to 50 tubes / minute (speed may vary

based on printing area, lacquer, etc)

**Printing Accuracy**: axially and radially ±0.25 mm

(depending on quality of tube

printing)

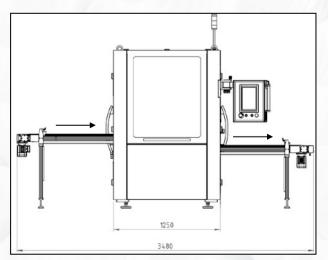
**Printing Area**: Max 200mm x 200mm **Tube diameter**: Ø13.5mm to Ø60mm

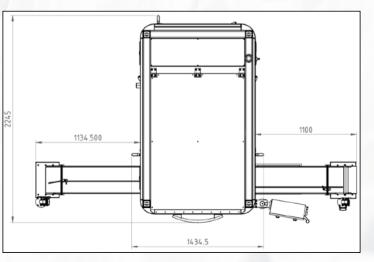
**Tube length**: 40mm to 210mm, without cap **Air supply**: 6-8 bar. Dust, Water and Oil free **Electric Supply**: 3 Phase 415 VAC 50Hz, 8 kW

**Tube Flow**: From Left to Right

Machine Dimensions:  $3.5m(L) \times 2.2m(W) \times 2.3m(H)$ 

Weight: 1600Kg





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