

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: $\varnothing 13.5$ mm to $\varnothing 60$ mm

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) x 2.2m(W) x 2.3m(H)

Weight: 1600Kg

