



# KOPIS MACHINE CO., INC.

*The Cutting Edge of Automation*

**Filling Equipment for the Lip Balm Industry**  
**Model LPF-20/24 for Production up to 200 ppm, 12,000/hr**

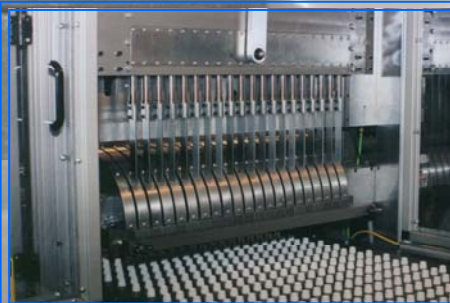


**Filling Head with independent flow control**



## LPF-20/24 Lip Balm Filling Equipment

- 20 (24) Pocket Linear Puck @ up to 200 ppm
- Fully Automatic Process - Loading Empty Sticks, Filling, Capping, Ink jet, and Unloading Filled Sticks
- Only One Operator and a Rover needed after Initial Setup Personnel release machine to production
- Minimal Maintenance, Robust, Easily Accessible Design
- Reflow System has individual reflow radiant heaters for each of the 20 (24) containers. When production stops, the heaters are quickly removed from the container reflow area, and the heat from the heaters is redirected into an energy absorbing system. Heaters remain hot and ready, container does not overheat; downtime is reduced.



**Automatic Capping Unit**



**Operator Access Area  
Re-melt Unit on Right**

Innovator in Stick Container Feeding, Assembly, Inspection and Filling for over 40 years

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We also specialize in Custom Turnkey Automation

## Model LPF-20/24

# Filling Equipment for the Lip Balm Industry

### Specifications:

#### Cycle Rate:

up to 200 parts per minute

#### Filling Head Capacity:

.07 to .25 oz. (1.9 to 7 gram) (Volumes are approximate)

#### Dimensions:

Basic Transport: 44" (1117mm) x 240" (6096mm)

w/ Standard Feeders: 120" (3048mm) x 290" (7366mm)

(Dimensions are approximate)



### Electrical Power Requirements:

Input Voltage: 208VAC 60Hz 3-Phase Star Connection  
(220/240/480 VAC 3-Phase optional)

### Operator HMI and Heater Control Panel

Operator has full access to temperature and cycle control from HMI. Temperatures and machine status can be monitored and/or optionally recorded from here. Cycle/process Data Logging is also available.

### Compressed Air Requirements:

Input Pressure : 60 PSI, 5-20 cfm depending on options

### Features:

- 20 or 24 Pocket Linear Puck, Durable Aluminum Hard-coated to assist with Heat Removal after Filling. Pucks are Easy to Clean and Sanitize
- Up to 200 Parts per Minute
- Machine can be configured to run from 7/16" (11mm) to 7/8" (22mm) dia. Sticks
- Automatic Stick Feeding and Loading
- 20 or 24 - Station Filling Head
- 10 to 30 gal (38-113 liter) Water-Jacketed Stainless Steel Kettle with Precision Temperature Control for Product Feeding
- Easily Accessible Cooling Area for inspection and access during cooling
- Individual Radiant Re-melt Heaters for each puck pocket
- Automatic Cap Feeding and Placing
- Ink Jet Date/Lot Code on Bottom of Stick Container, Up to 3 lines 7 characters each depending on size of container.
- Automatic Extraction into Carton.
- Part Counter, Parts Individually Counted when Extracted
- Puck Return Conveyor is below Transport Mechanism to conserve space
- Temperature/Cycle Monitoring and Recording optional
- Work Area Lights to Supply Additional Lighting to Inspect Filled Parts
- 24/7 Robust Design, Minimal Downtime, Easy to Maintain
- Puck Transport Mechanism, Cam operated and proven in production over ten years