View the high resolution photos
All machine photos in full size, free to view and download.
Open photos

Watch the machines in action (video)
The sleeving, heat tunnel and capping line running, 73 seconds.
Play video

PACKING MACHINE FOR SALE

Automatic Sleeving Machine

Model ST-4020

An automatic shrink sleeving machine for jars. It works as one line with the Heat Shrink Tunnel.

Key features

- **Computer controlled**
  Computer controlled operation.
- **Servo motor**
  Servo motor drive.
- **Fully adjustable**
  Set the sleeve drop, sleeve size and film thickness.
- **Current film setup**
  Now set up for OPS film 117 x 0.05 mm.
- **One line**
  Works as one line with the Heat Shrink Tunnel.
- **Touchscreen**
  Set up and run the machine from the touchscreen.
- **Stainless steel**
  Stainless steel build.
- **Conveyor included**
  An automatic electric conveyor runs from the sleeving machine through the heat tunnel.
- **Power**
  3.0 KW, 380/220VAC, three phase with a 5 pin plug.

Good to know

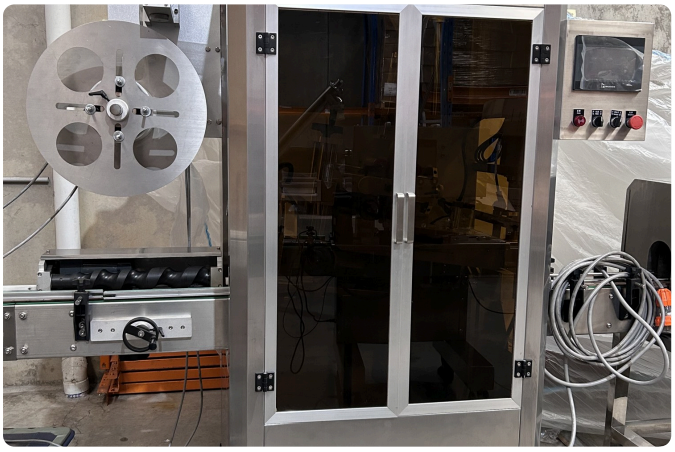
Condition	Tip top condition. Perfect working order.
Ready	Cleaned and covered.
Made	Custom built in Shanghai for a small cosmetic jar line.
Location	Thomastown VIC, Australia.
Collection	Buyer collects from Thomastown.

AUTOMATIC SLEEVING MACHINE

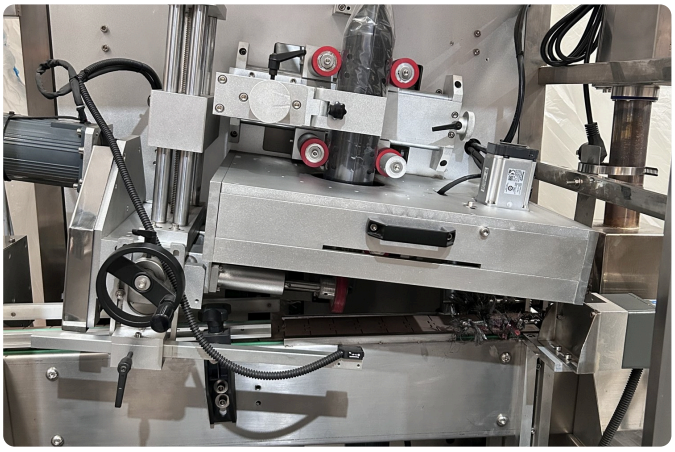
Photos



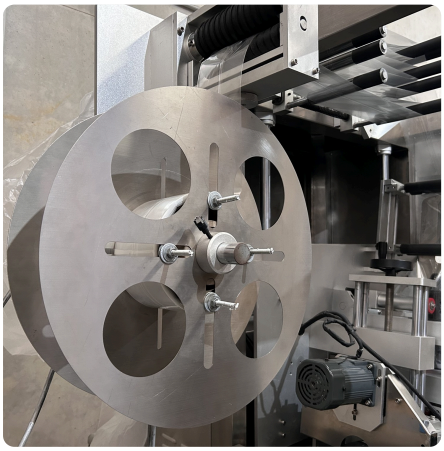
Sleeving machine (left) with the Heat Shrink Tunnel (right), set up as one line



Front view



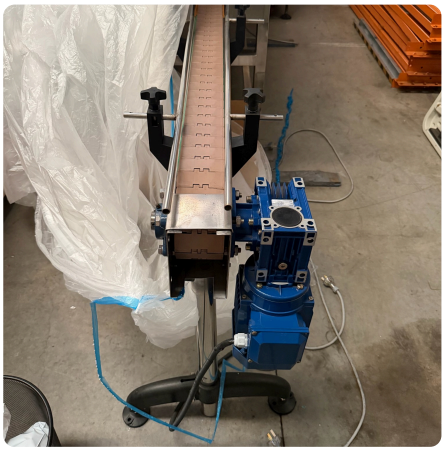
Sleeve feed area



Film roll holder



Touchscreen and controls



Automatic electric conveyor

AUTOMATIC SLEEVING MACHINE

Technical specifications

IDENTIFICATION

Model	Touchscreen display name	Serial number	Maker
ST-4020, nameplate	SLM-150	MDS170503	Shanghai Hongde Imp & Exp Co., Limited

GENERAL

Machine type	Automatic shrink sleeve machine
Process	Cuts the sleeve and places it on the container, then pre shrink, then the electric shrink tunnel
Line	Works as one line with the Heat Shrink Tunnel
Construction	Whole machine made of stainless steel
Air supply	Not required

POWER AND ELECTRICAL

Input power	3.0 KW
Input voltage	380/220VAC
Phase as fitted	3 phase
Plug type	5 pin three phase plug, photo
Drive motor, plate data	AC asynchronous motor, type HFL71M1-2
Motor rating	0.37 kW, 380V, 0.99A, 50Hz
Motor details	Y connection, IP55, S1 duty, insulation class F, 2740 r/min, CE marked

> Buyer note: 380V machines normally suit Australia's 400V supply. All wiring must be done by a licensed electrician.

CONTROL SYSTEM

Control cabinet	Stainless steel enclosure
Controller	PLC
Variable frequency drive	Variable frequency drive with keypad
Servo drives	Two servo drives
Motor speed controllers	Three motor speed controllers
Power supply	Switching power supply
Protection and wiring	Circuit breakers, relays and terminal rails
Touchscreen	Weinview touchscreen, automatic home position search
Panel controls	Alarm, power, conveyor and emergency stop, labelled in Chinese and English
Label control	Automatic label detection and positioning, microcomputer controlled
Drive	Servo motor drive

AUTOMATIC SLEEVING MACHINE

Technical specifications, continued

PERFORMANCE	
Production speed	40 bottles per minute
Label feed speed	90 metres per minute
Cut position accuracy	Within 1mm

CONTAINERS AND LABELS	
Bottle body diameter	28 mm to 120 mm
Cutter head container range	Ø30 mm to Ø130 mm
Label length	30 mm to 250 mm
Label thickness	0.03 mm to 0.13 mm
Paper tube internal diameter	5" to 10"
Label roll plate diameter	Ø500mm
Label materials	PVC, PET, OPS
Adjustment	Sleeve drop, sleeve size and film thickness are adjustable

MATERIALS AND CONSUMABLES	
Film currently used	OPS 117 x 0.05 mm
Film yield	1 kg of film is about 82 m
Film per container	About 4.5 cm, so 1 m of film covers about 22 containers
Film roll pack	700 m per roll, 2 rolls per box

MECHANISMS	
Label feeding	Driven feed with synchronised tension control for exact label length and a stable supply
Label feed plates	Double label feed plates at a comfortable loading height
Cutter head	Stepper motor driven, synchronised with label positioning
Cutter head design	Unit cutter head; no changeover or adjustment needed across its range
Sleeve shooting	Centre pillar with stepper driven shooting structure
Transmission	Synchronised belt drive; belts change quickly for easy maintenance

AUTOMATIC SLEEVING MACHINE

Technical specifications, continued

CONVEYORS	
Line conveyor	6m conveyor with SS201 chain (6000mm)
Route	Runs from the sleeving machine through the heat tunnel
Conveyor drive	Worm gear motor
Supplier layout drawing	6000 overall: 1000, 2000, 2000 and 1000 sections
SAFETY	
Emergency stops	Multiple emergency stop buttons along the line
DIMENSIONS	
Machine size	2100 L x 850 W x 2000 H
INCLUDED IN SALE	
Sleeving machine	Automatic shrink sleeve machine with touchscreen
Control cabinet	Line control cabinet, as above
Pre shrink	Hot air pre shrink blower, 1 set
Conveyor	6m conveyor with SS201 chain