

Inner Plug / Cap Pressing Unit

CAPPING / SEALING MACHINES

CONTINUOUS BELT PRESSING

INLINE BELT STATION

CONTINUOUS



MANUFACTURED IN WAGLE ESTATE, THANE

OUTPUT CAPACITY

Up to 100 containers/min

FILL VOLUME RANGE

Plug Dia 10-50 mm

VOLUMETRIC ACCURACY

Zero liquid spillage

CONTACT METALLURGY

SS 304 / Food grade PU belt

CORE PRINCIPLE & AUTOMATION DESIGN:

Continuous rotating endless belt synchronized with conveyor speed for pressing dropper plugs and inner caps firmly into bottle mouths without spillage.

1. TECHNICAL OVERVIEW & MACHINE WORKING PRINCIPLE

Plug Pressing unit consists of a continuous rotating endless belt synchronized with conveyor belt speed in order to perform pressing action of plugs/caps on bottles without spillage of liquid. Mounted in automatic filling lines on the extra length of conveyor, driven by electric motor and reduction gearbox with AC Drive.

2. TECHNICAL PARAMETERS MATRIX

SPECIFICATION PARAMETER	ENGINEERING STANDARD / RANGE
Operating Speed	Up to 100 containers per minute
Plug Diameter	10 mm to 50 mm
Belt Drive	0.5 HP Reduction Geared Motor
Speed Control	Electronic AC Frequency Inverter

3. MECHANICAL CAPABILITIES & FEATURES

Key Mechanical Inclusions:

- + Continuous synchronized endless belt prevents liquid surging
- + Adjustable pressing belt angle and clearance height
- + Can be mounted onto existing conveyor line without cutting conveyor
- + Independent AC variable frequency speed drive

Tested Products & Viscosities:

- Eye drop & nasal drop inner plug insertion
- Liquid oral drops dropper inserts
- Essential oil orifice reducers
- Chemical bottle inner seal pressing

TARGET INDUSTRIES & COMPATIBLE FORMULATIONS:

Pharmaceutical | Cosmetics | Toiletry | Oil | Food & Be

Tested Formulations: Eye drop & nasal drop inner plug insertion, Liquid oral drops dropper inserts, Essential oil orifice reducers, Chemical bottle inner seal pressing

FACTORY ACCEPTANCE TESTING (FAT) & CGMP VALIDATION PROTOCOL

Manufactured under Schedule M and cGMP guidelines with sanitary mirror-polish SS 316 / SS 316L contact metallurgy. Clients and procurement engineers are welcome to our Wagle Estate, Thane factory for pre-dispatch Factory Acceptance Testing (FAT) with actual product containers and fluids. Full IQ/OQ qualification documentation and turnkey on-site SAT commissioning supported across India.

MANUFACTURING PLANT (THANE, MUMBAI):

Filltech Packaging Machines (Formerly BVS Pharma)
115, New Modella Industrial Estate, Padwal Nagar,
Wagle Industrial Estate, Thane 400604, Maharashtra, India

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Engineering Portal: <https://filltech.in>

FACTORY ACCEPTANCE & VERIFICATIONS:

Pre-Dispatch FAT: Container Trials at Thane Works
Verified Supplier: IndiaMART | TradeIndia | ExportersIndia
Machinery Trial Videos: @FillingMachinesIndia