

M53

SINGLE/DOUBLE PITCH LINEAR LIQUID FILLING AND CAPPING MONOBLOC MACHINE



M53 is a linear single or double pitch intermittent motion filling and capping monobloc, covering low to medium speed range requirements.

M53 can be manufactured as a monobloc machine, including **filling station** and **two capping units**, or – eg: for lyo lines - it can be realized as filling/stoppering machine (for stopper full and/or partial insertion) with stand-alone capper for separate capping operations after freeze-drying.

Filling heads (from 1 to 4 units max) might include:

- stainless steel or ceramic volumetric rotary pumps;
- stainless steel volumetric pumps with valve;
- peristaltic pumps.

The M53 can fill liquid for these kind of containers:

VIALS



SYRINGES



CARTRIDGES



OPHTHALMIC



BOTTLES



NEST



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HIGHLIGHTS



Working desk



Double pitch sealing unit



Eye-drop torquing station with torque control

The main feature of M53 is the container transport system, made by a walking beam “Comb” system, which reduces particles contamination to minimum levels. There are versions of M53 dedicated to aseptic productions and solutions for non-sterile products, to handle several types of containers, including:

- plastic/glass vials and bottle
- glass syringes
- eye/oral drops
- nasal sprays

Thanks to its linear development, M53 can be installed under o-RABS, c-RABS and Isolator and can be supplied in several versions:

- **Small Batch** version, handling one vial per time, achieving a max speed of 60 pcs/min.
- **Double Pitch** version, handling two vials per time, with a reference speed of 120 pcs/min.

M53 can include 100% weight IPC, and 100% closure controls system.

TECHNICAL DATA

DEVELOPMENT	Linear
MOVEMENT	Intermittent
WEIGHT CONTROL	100% IPC
OUTPUT	Up to 120 pcs/min
CONTAINMENT	o-RABS c-RABS Isolator
CIP/SIP READY	Yes