We complete the package

MACHINELAB

Machinelab MLHF400SA

Compact Horizontal Filling Machine

The Compact Horizontal Filling Machine from Machinelab is engineered to deliver precision filling and packaging automation for pharmaceutical and medical device manufacturers. This high-performance solution combines advanced servo-driven technology with a space-efficient footprint, making it the ideal choice for companies seeking reliable, validated, and scalable filling automation.

Key Features

- Compact horizontal design – optimized for cleanroom and production environments with limited floor space.
- Servo-driven precision filling – ensures repeatable accuracy and reduces product waste.
- Quick-changeover capability – supports multiple product formats with minimal downtime.
- Integrated HMI and PLC controls – enabling user-friendly operation, recipe management, and data traceability.
- Validated performance – compliant with pharmaceutical and medical device manufacturing standards.
- Scalable automation – designed to grow with production demand and integrate into full-line solutions.

E: sales@npp.ie
T: + 353 1 880 9299
www.npp.ie

We complete the package

Machinelab MLHF400SA

Machinelab MLHF400SA

Compact Horizontal Filling Machine

Technical Specifications

- Machine frame and plate in 316L stainless steel
- 3 formats of Syringe & 2 cap formats
- Automatic Size change
- Full CIP/SIP
- Servo controlled filling technology
- Closed loop check weighing system
- Inspection capabilities
- Standard Modular design
- Supports and columns made of AISI-304 stainless
- steel, anodized aluminium & POM
- GMP Designand Surface Finish
- Recipe selection via Colour Touch screen
- Prepared for 21CFRPart11
- Batch Reports and Batch Control via MES
- Variable speed drives
- OEE Datafor Counters, Rejects, Wait Time etc
- Eco Modepower down if starved of product.
- FailsafePLC Logic
- Quick size change
- Servo controlled

Applications

The Compact Horizontal Syringe Filling Machine from Machinelab is designed for products such as gel-based insecticide syringes, veterinary formulations, and other highviscosity compounds that require clean, accurate, and consistent dosing.

Each syringe is filled with exact precision, ensuring uniform product delivery, no air entrapment, and smooth barrel appearance. By combining controlled fill dynamics and advanced motion synchronization, Machinelab guarantees the same performance across every cycle, delivering syringes that meet the highest quality and packaging standards demanded by global manufacturers.

E: sales@npp.ie
T: + 353 1 880 9299
www.npp.ie