## OPTICAL INSPECTION

Industrial cameras with integrated lighting and pneumatic ejection system.

## PICK AND PLACE ROBOT

6-axis robot equipped with a 160 kg gripper for concurrent handling of 8 bottles onto a Euro pallet.

## PALLETIZING

Palletizer with automatic pallet feeding via a roller conveyor to the bottle stacking area.

## PALLET WRAPPING

The automatic pallet wrapper applies stretch film to palletized products, securing them for easier and safer transport.

## FINISHED GOODS STORAGE

Finished pallets are transported to the warehouse via a metal roller conveyor.

## REMOTE CUSTOMER SUPPORT

We provide remote support to ensure optimal machine performance.

## ADDITIONAL OPTIONS

Automated data integration with ERP systems;  RFID login; NFC detection of parts and tools; magnetically mounted tools.

## MACHINE CONFIGURATION

Segments can operate independently or as an integrated solution, depending on the client's specific needs.



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# XFR 1000

## Liquid Media Filling Line

A fully automated liquid media filling line featuring robotic capping, automated handle placement, dual-sided labeling, optical quality control, and pallet wrapping.

An end-to-end solution covering the entire process, from bottle blowing to the palletizing and wrapping of filled bottles.

# XFR LIQUILOAD

It enables optimal filling speeds for bottles of varying characteristics and liquids of different viscosities.

The machine's easy configuration for different bottle types and corresponding liquids ensures quick adaptation to market demands.

- Capability to increase the number of nozzles
- Nozzles designed to prevent foaming of the liquid
- 800 to 4,000 filled bottles per hour
- Servo-driven nozzle positioning
- Easy configuration of new programs

# XFR HANDLEGRIP

The automatic robotic placement of handles on bottles, while they move continuously towards the labeling machine, ensures seamless and uninterrupted operation.

- Adaptability to different handle types
- Robotic handle application on bottles
- Optical inspection for handle orientation verification
- Capability to attach handles with a funnel

# XFR BOTTLELOCK

The machine segment that performs fully automated capping of filled bottles.

Designed to accommodate various cap types, simplifying machine adjustments for seamless operation.

- Cap type adaptability
- Robotic bottle capping
- Optical inspection
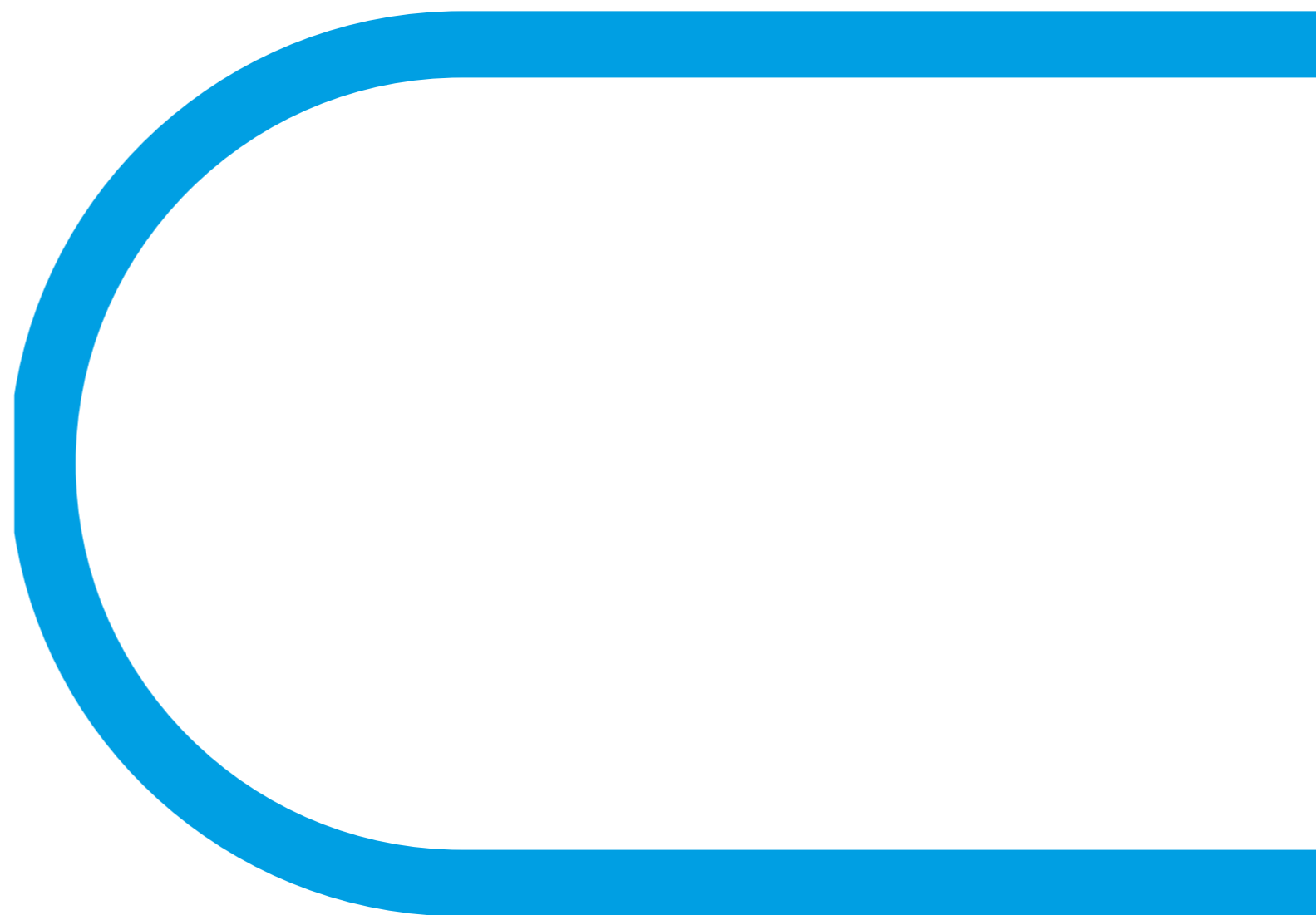- 800 to 2,000 capped bottles per hour

# XFR LABELFLOW

The machine applies the appropriate labels to both sides of the bottle, creating a finished appearance.

In the next phase, the labeled bottles undergo optical inspection.

- HERMA labeling system
- Simplified label type changeover
- Servo-driven for enhanced labeling precision
- Monitoring of remaining labels with operator alerts

# XFR 1000