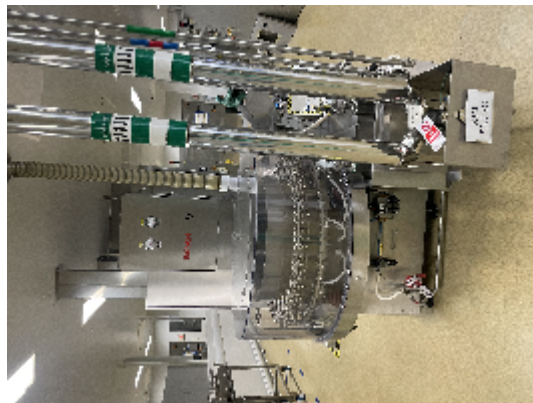
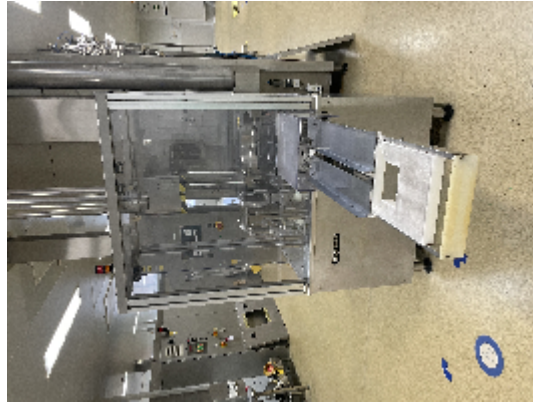




Complete Lines BOSCH BOSCH RRU3082 + BOSCH HQL 3420 + BOSCH ALF 4080

Images





Product details

Category:	Complete Lines
Machine:	BOSCH RRU3082 + BOSCH HQL 3420 + BOSCH ALF 4080
Machine code:	23-1050.1049.1048
Manufacturer:	BOSCH
Year of construction:	1997

Description

**1) Ampoule filler under isolator**

Producer : Bosch

Model : ALK 4080

Year of manufacture : 1997

Production : 400 ampoules per minute working range

Diameter : From 9 up to 18 mm

Height : From 60 up to 110 mm

Formats included : 1 - 2 - 5 - 10 ml (to be confirmed)

The machine comes with ISOLATOR and DEDICATE AHU

2) Depyrogeneration oven for ampoules Bosch Producer : Bosch Model : HQL 3420

Year : 1997

Production : 24.000 ampoules of 1 ml per hour

HQL facilities are ideal for vial sterilization.

This model is exceptional due to the lack of passage in the tunnel, which is the result of the laminar hot air flow process with its high degree of efficiency. Sterilization tunnels are used in pharmaceutical industry filling lines to sterilize glass containers before aseptically filling them.

These tunnels use forced air at temperatures up to 350 ° C.

Bosch HQL drying and sterilization tunnels operate with unidirectional flow, with process curves of temperature progression and significantly reduced sterilization times.

They guarantee the consistent precision necessary for validation, qualification, and reliable production capacity.

Through a filter, the make-up air is introduced into the tunnel.

Inside the tunnel, the air, drawn in by the fans, feeds the supply and cooling section through the pre-filters and the air particle filters in the separate areas of the tunnel.

Using the laminar flow principle, the air flow is directed vertically in the containers.

Below the conveyor, the air is directed back through a recirculation duct to the fan.

The fans need fresh air for the heating section: laminar flow unit.

The heating elements in the recirculation duct serve to heat the recirculation air to the preset temperature.

Below the particulate air filters are heating elements that are output to a recording and temperature control device.

The cooling section works with laminar flow. A fan in the cooling section draws the hot air under the conveyor belt.

The volume of exhaust air is adjusted automatically.

The tunnel is equipped with an automatic overpressure control in the cooling section.

Modular system for tunnel assembly suitable for the required power range with optimal energy consumption.

Construction according to GMP. Compatible container transport systems for stable and non-stable containers.

Safe conveyor belts on the floor and side levels operated simultaneously. Excellent accessibility and ease of operation.

Ampoule washing machine with different washing cycles

(water WFI - sterile air)

Producer : Bosch

Model : RRU 3082

Year of manufacturing : 1997

Production : 400 ampoules per minute

Working range : Diameter : 9 - 18 mm

Height : 60 - 110 mm

Formats included : 1 - 2 - 5 - 10 ml (to be verified)

The Bosch RRU series of washers and dryers perform ultrasonic cleaning for fast and accurate removal of particulate matter.

Its swivel design allows for a small footprint and ease of operation with fast and accurate removal of



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particulate matter and reliable feeding of small containers. RRU Bosch rotary heads will give you excellent results with gentle vial handling. They can be configured for a wide range of formats.

Rotary washer ideal for cleaning vial bottles.

Exceptional for its optimal accessibility, for example, and it is very easy to use. Processing ranges and capacities depend on individual containers, line integration, etc.

Construction according to GMP; reduced size; safe transport of containers; high level of ultrasonic cleaning; stations for internal and external container washing; with the pumping station; fast format change.

COLOR RING PRINTER BOSCH DRN 3010

This high-speed machine is design to mark ampoules with single or multiple ring codes.

It is useful for identifying trial batches or for adding colour codes to standard batches of Ampoules for identification purposes or to avoid intermixing of batches.

- Included format sets 1 ml - 2 ml - 5 ml- 10 ml To be verified