



CVT Core: the State-of-the-art Automatic Vision Inspection Machine

Automatic high speed flexible machine suitable to inspect challenging high value drug glass filled containers, with extremely limited false reject rates in a compact layout at high speed



Technology Leader

With over 25 years of experience, InnoScan, a Stevanato Group brand, is the technology leader in the field of automatic inspection systems for any glass filled container for water-like solutions, suspensions, viscous or lyophilized products.

Machine Highlights

Maximum flexibility: Multi container (ampoule, vial, syringe, cartridge) automatic vision inspection machine, capable of handling **different kind of products** (water-like solutions, suspensions, viscous or Lyo) with a change over performed by two operators in approximately 15 minutes

High speed: up to 36,000 products per hour, in any combination of products (Lyo, liquid, suspension viscous) or container (ampoules, vials, syringes, cartridges)

Superior inspection of particulates, cosmetic defects and closure integrity thanks to the use of Matrix and line scan cameras, and integrated high voltage leak detection

Patented imaging technology developed to inspect complex products like foaming liquid, suspension and viscous/gel-like products.

Easy installation and maintenance: limited utilities needed to run the machine (Only 2 connection points: electricity and exhaust air)

Compact foot print: up to 14 inspection stations to ensure the most accurate detection performances in a compact layout.



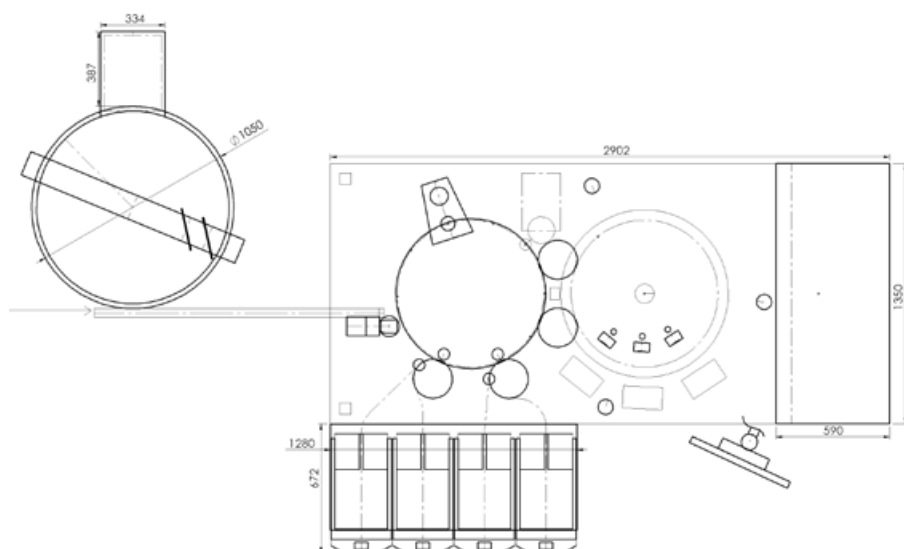
CVT Core

Automatic Vision Inspection Machine

Key Features

- Sustained inspection capacity up to 36,000/h
- Carousel with 60 individual rotation units with recipe dependent profiles, for enhanced product preparation
- Inspection capacity: particulates, closure integrity and cosmetic defects
- Compact footprint
- Wide container range up 100ml for any type (Ampoules, vials, cartridges, syringes)
- Standard automatic re-circulation feature
- Configurable outlets for maximum production flexibility
- Servo driven continuous motion operation
- Matrix and line scan cameras for vision inspection, integrated High-Voltage Leak Detection for integrity controls
- Up to 14 different container inspections
- Quick and easy format change over (15 min. 2 operators)

Example of Basic Machine Layout



CVT Core

Technical Data

Products

Solution, Suspension, Lyo, Viscous

Infeed

Wormscrew

Containers

Cartridges, Vials, Ampoules, Syringes

Recirculation

Yes

Container Range

Ø 6 - 52mm, h: 30 - 130mm

Outfeed

4 outlets and 1 dump, all configurable

Productivity [pieces/h]

36,000

Turret

60 motorized spindles

Inspection Stations

10 PC,
4 HVLD
Up to 14 inspection cameras
9 inspection slots in carousel
and 7 in clip wheel

Controls

Line Scan camera inspection stations
Matrix camera inspection stations
HVLD