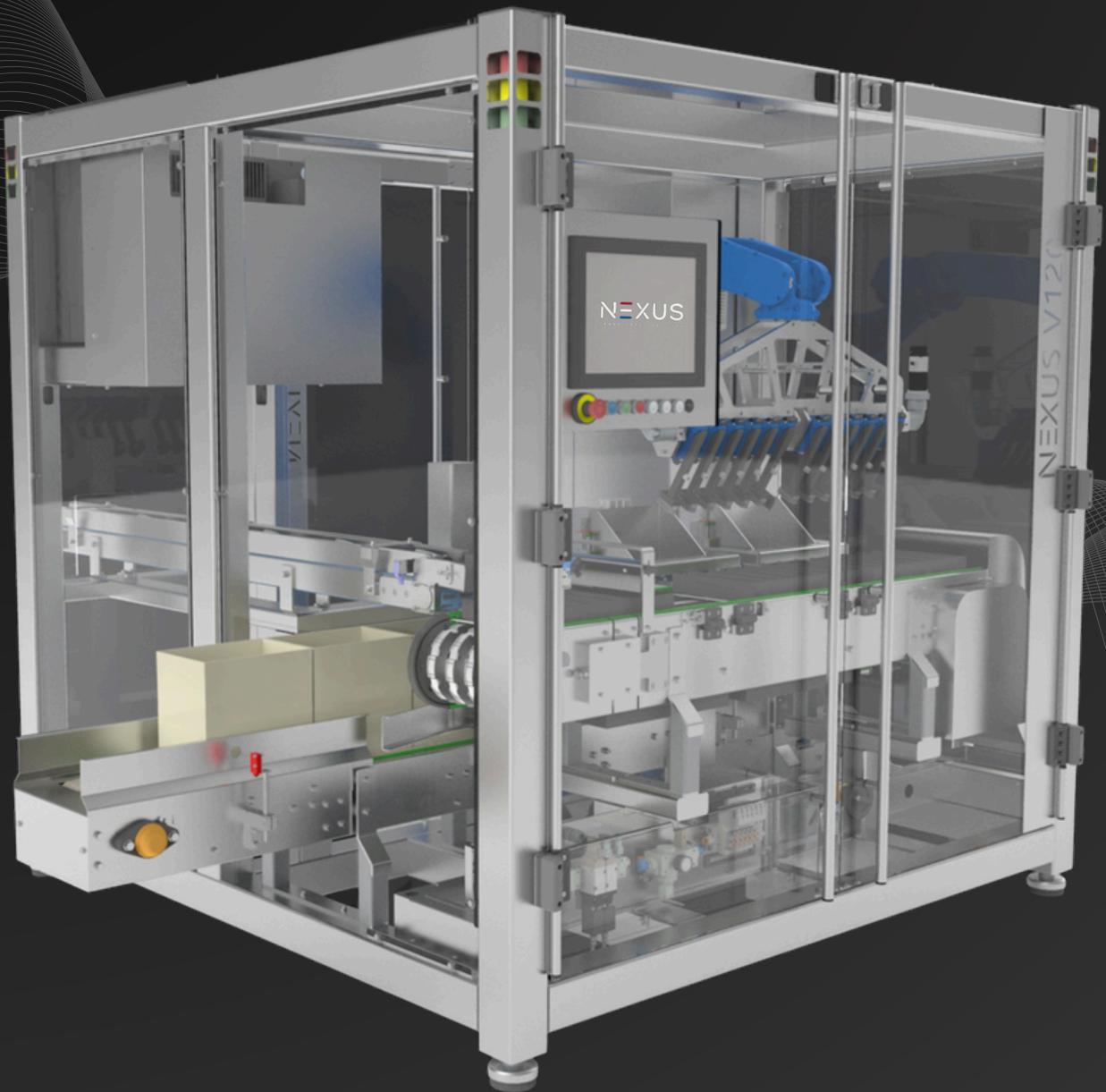


V SERIES

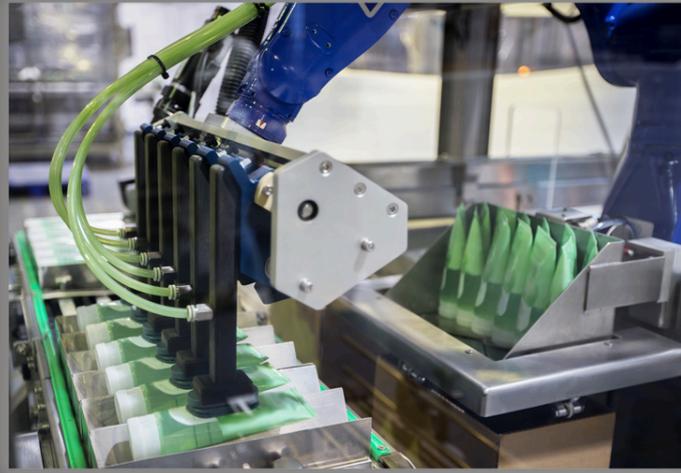
Robotic Tube Case Packer



THE TECHNOLOGY

NEXUS V80 comes with six axis robotic arm for tube pick and place from the race-track tray into the collecting tray.

The instant format change could be achieved by recalling the saved recipes.



TUBE INFEED

NEXUS V80 is ready to be integrated with any tube filling machine brands.

Incoming tube from the tube filling machine is controlled by an infeed accelerator conveyor to ensure every single tube being discharged properly into the race-track tray.

RACE TRACK

The race-track tray is controlled by a twin servomotors and it works simultaneously according to the selected product recipe.

Infrared sensors are installed to ensure that every tube is present in the tray prior it moves to the tube picking station.



ADAPTIVE PITCH

The tube gripper pitch is programmable to accommodate the tube packing formats.

This feature delivers a significant agility to the line for reaching a near to zero downtime in format changeover.

ADAPTIVE GRIPPER

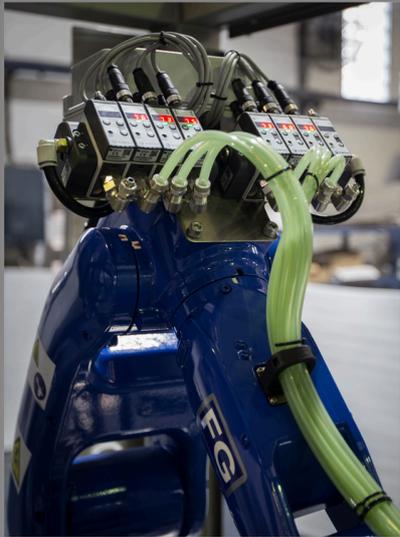
The tube suction pad is designed for an adaptive application to reduce the number of suction pad format parts needed in between the tube formats. A long lasting suction pad materials is another benefit for extending the MTBF.



SMART VACUUM

Smart vacuum generator has been applied into this system.

The generator includes vacuum pressure detection and pressure release to shorten the pick & place cycle as well as in saving the air consumption significantly.



DISCHARGE POINT

Integrated carton box discharge point in the machine frame is not only able to minimize the required floor space, but also reducing the time and efforts in performing the machine installation and commissioning.



AUTOMATION

The automation cabinet is well designed, wired and labelled in a proper manner to ensure the durability of the system and ease for identifying the problem to speed up the recovery of the line.



AIR MANAGEMENT

Clean compressed air with manageable pressure is the key of the durability of the pneumatic operations as well as in reducing the air consumptions. Clear location and compact set up of the air management system will ensure the easy access for day to day line operations.

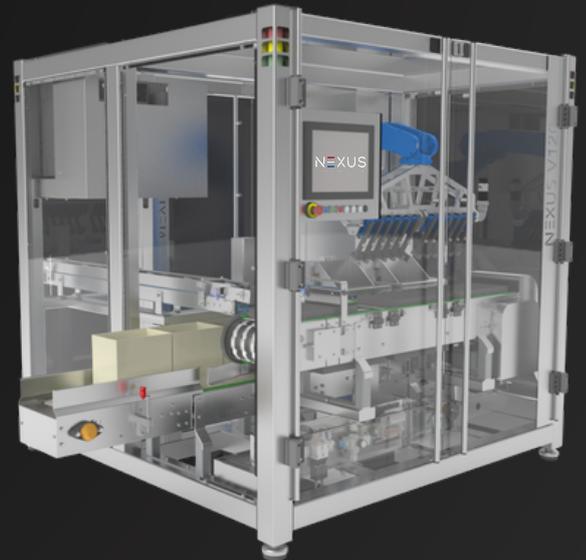




Robotic Tube Case Packer

V80

80 ppm | single packing station



Robotic Tube Case Packer

V120

120 ppm | dual packing stations

SPECIFICATIONS

MODEL	NEXUS V80	NEXUS V120
ROBOT	6 AXIS ARTICULATED ROBOT	
ROBOT PAYLOAD	8 KG	25 KG
CONTROLLER	PROGRAMMABLE LOGIC CONTROLLER	
MACHINE DRIVE	SERVO-MOTOR	
PICKING STATION	SINGLE	DUAL
GRIPPER	ADAPTIVE PITCH	
VACUUM GRIP	SUCTION PAD	
VACUUM SOURCE	AIR VENTURI	
TUBE DIMENSION	D.28~50MM X H.100~250MM	
CARTON DIMENSION	(L)180~380MM x (D)120~200MM x (H)110~260MM	
ELECTRIC SUPPLY	10 AMPERE/380VAC/3P/50HZ/N+G	15 AMPERE/380VAC/3P/50HZ/N+G
AIR SUPPLY	600 Liters/min/5-8 BAR	1000 Liters/min/5-8 BAR
MACHINE DIMENSION	(L) 3100MM X (D) 2000MM X (H) 2100MM	(L) 3100MM X (D) 2400MM X(H) 2100MM
APPROX. WEIGHT	1400 KGs	1800 KGs

NEXUS
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