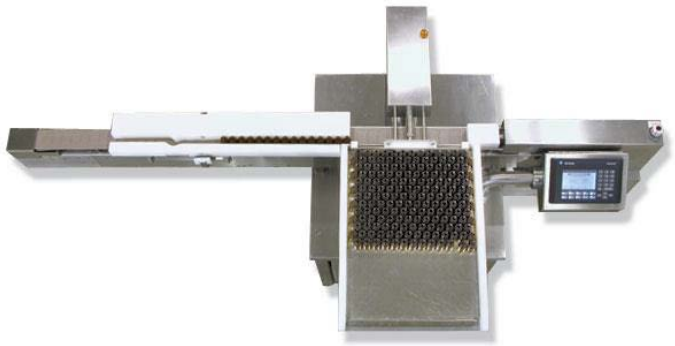
TL-100 Tray Loader

Specifications

Machine Frame	51 mm (2 in) AISI-304 stainless steel
Dimensions (L × W)	2080 mm × 1115 mm
Height To Working Surface	851 mm – 978 mm (33.5 in – 38.5 in)
Height Overall	Working surface plus 76 mm
HMI	Allen Bradley PanelView Plus 7
PLC	Allen Bradley CompactLogix
Tray Specification	Modified to customer specification
Actuators	High-speed ball screw Servo motor driven
Panels & Cover	AISI-304 stainless steel
Electrical Panel	On-board
Conveyor	AISI-304 stainless steel
Conveyor Track	8.9 mm (3.5 in) Delrin chain (raised track)
Conveyor Motor	⅓ HP DC adjustable speed
Utility Requirements	208 volt, three phase, 60 Hz
Weight	Approximately 227 kg (500 lbs)
Throughput	Up to 300 containers per minute

Vials	OD	Height	Output
ML	MM	MM	VPM
2	16	35	300
5	20.8	41.3	220
10	24	45	190
30	30	75	152
50	42.5	73	108
100	52.6	94.5	87
250	64	150	TBD
500	77.5	177	TBD

Vial output is dependent on vial shape and tray width

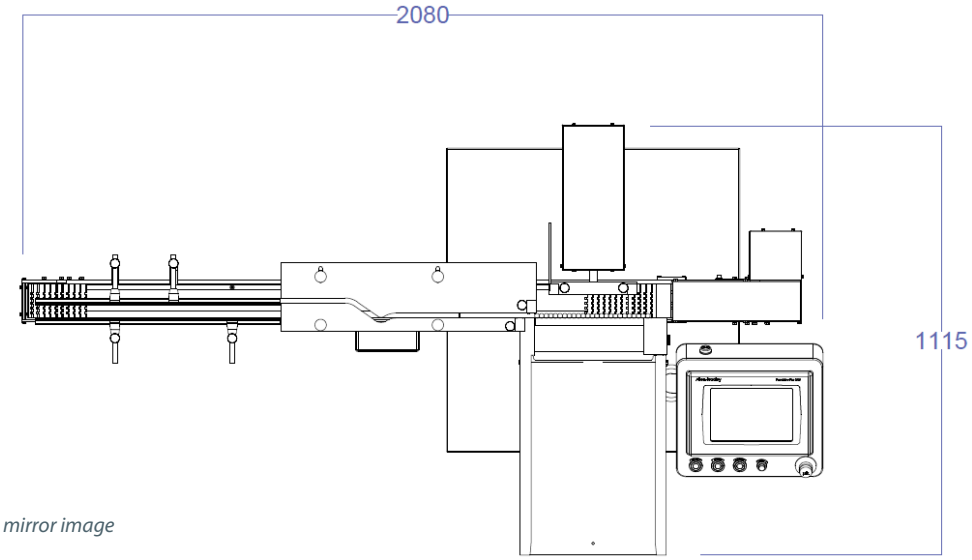


TL-100 Tray Loader - Standard Cong iguration Shown

Additional Options

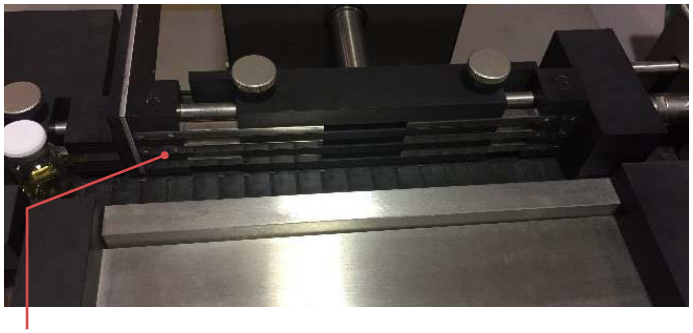
- Machine In 316 Stainless Steel
- Safety Guarding With Poly Carbonate Doors And Windows
- Extended Buffer Plate
- Safety Protection With Light Curtains
- Lyo Frame Lowering
- Vision System For Count Verification
- In Process Particle Monitoring
- 21 CFR 11 Package
- Ul Approved Electrical Cabinet
- Validation Documentation

TL-100 Tray Loader

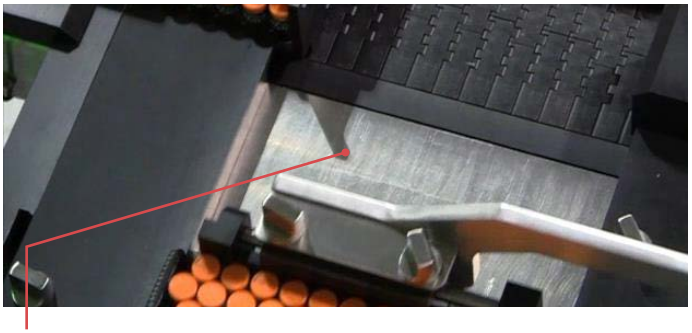


Machines are available in mirror image

Features



ATS Scientific Products Tray Loaders have an adjustable pusher to accommodate different vial patterns without the need of change parts. All movements are recipe driven.



ATS Scientific Products Tray Loaders incorporate a buffer plate located in front of the receiving tray. The pusher will start to collate vials in a row by row nested configuration. Once the row count has been achieved, the pusher will complete a long stroke to fill the tray. The pusher will then return to its initial position and start to collate vials in short row by row strokes providing the operator sufficient time to remove the full tray and replace an empty, without stopping production.

A servo driven backstop will stop the row of vials in the proper position for a close pack configuration. This feature is recipe driven.

Watch Videos

https://www.youtube.com/watch?v=ZuK_8a0Kr7A&list=PLDkDgHjkrsjNXBv_5vI6TLMkNjnpjh6mb&index=14

Biopharma House, Winnall Valley Road, Winchester SO23 0LD, UK
biopharma.co.uk | +44 (0)1962 841092 | bps@biopharma.co.uk