



THE VILUN

Part of the Nu-Mech Range of Mechanical Handling Equipment



Vertical Indexing Loader / UNloader

The VILUN has been designed as a fully automatic machine, primarily to be used for feeding and collecting printed circuit boards in conjunction with many varied process lines.

In addition to feeding and collecting, the VILUN is ideally suited to be used as a holding station, inspection area or a turn-over unit.

Due to the VILUN having undergone a rigorous testing programme carried out over long periods on full working conditions, the end result is a machine that is extremely robust, highly efficient in use and with a design that is still capable of being adapted to meet specific customers requirements, without losing any of the benefits.

Where it is proposed to use a VILUN for the purpose of feeding or collecting multi-layer boards, NUBAL can supply a full kit of easily fitted attachments which make this process possible. These attachments can either be supplied ready fitted to a new machine or retro-fitted to machines already in-situ.

Features

Variable speed, unload without stopping machine, no adjustment necessary for varying thicknesses, simple additions to board holders for inner layer processes, synchronised proximity switch eliminates collection problems, heavy duty braked motor for accurate control, push button digital timer reading to 0.1 sec.

The VILUN can also be supplied as a double-indexing machine to handle very long, flexible boards, and can be electrically interfaced with existing process lines.

Options

Optional extras available for the VILUN include sensors for halting collection when machine is fully loaded, audible 'Full-load' warning and custom built conveyors, making the VILUN suitable for any process line.

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SPECIFICATIONS

For a machine with 610mm (24") working width:-

	<u>50 Panel</u>	<u>100 Panel</u>
Height	9 95mm (39")	9 95mm (39")
Width	1 043mm (41")	1 043mm (41")
Length	7 47mm (29.5")	1 382mm (54.5")
Length (with standard conveyor)	1 350mm (53")	1 980mm (78")
Maximum board size	6 10mm (24") x 610mm (24")	

For a machine with 760mm (30") working width:-

	<u>50 Panel</u>	<u>100 Panel</u>
Height	9 95mm (39")	9 95mm (39")
Width	1 193mm (47")	1 193mm (47")
Length	7 47mm (29.5")	1 382mm (54.5")
Length (with standard conveyor)	1 350mm (53")	1 980mm (78")
Maximum board size	6 10mm (24") x 760mm (30")	

For all Viluns:-

Minimum Board Size	2 30mm (9") x 150mm (6") long
Maximum Board Thickness	3 .2mm (0.126")
Minimum Board Thickness	* * (See Note)
Standard Conveyor Speed	V ariable 0-3 metres (0-10 ft) per min.
Standard Electrics	2 40V single phase 50Hz (others on request)
Control Circuit	2 4 Volt
Amps required	7 Amps

** Minimum board thickness will depend upon size and rigidity of material being used.
With optional multi-layer attachments, extremely thin and flexible material can be handled.