

Point to Point Drilling, Gluing, Inserting Machine for Dowels

FLEXLINE 600

FLEXLINE 600 has been designed as an overall solution for horizontal drilling and dowels insertion to have the panels ready for assembling. The Cnc high speed positioning of the axis and the user-friendly software makes the machine extremely versatile and an ideal solution for just in time production.

The machine configuration allows the use **with other machines or as workstation** provided with loading and unloading.

The main feature of FLEXLINE is the possibility of processing different pieces without any manual intervention and the very high working speed.

Sizes of the Pieces to be processed

-Width	min	210 mm
	max	1200mm
-Depth	min	50 mm
	Max	600 mm
-Thickness	min	16 mm
	max	40 mm

Numerical Control:

Numerical Control TPA

PC characteristics:

-PC I3-8100

-RAM 4 GB DDR4

-SSD 128 GB

-USB port

-Colour video 17" TFT

-Complete keyboard + mouse

-Windows 10 IOT

-Ethernet network card

-Serial line for barcode connection

CNC Characteristics:

- N° 3 axes
- Driver Bus of Greenbus field for the Input/Output remote
- Graphics programming 2D ½ with simultaneous working display
- Graphics menu for macro-working selection:
drilling, drilling+gluing+dowel insertion, gluing+dowel insertion
- Parametric programming
- Graphical aids
- Pre-programmed executive lists, editable run-time, can be structured into items
- Internal auto-diagnosis, historical report of alarms

Technical Data:

Piece Conveyor Belts:

speed 46 m/min



Pre transfer RH+LH in input and output

W Axis:


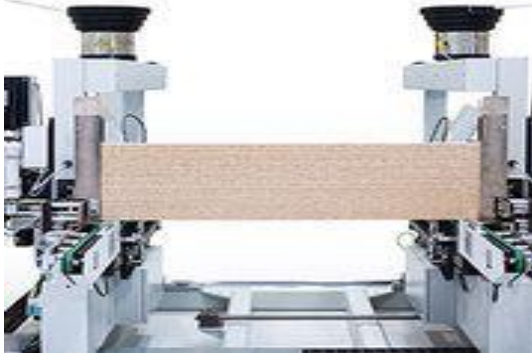

working area 1200mm
installed torque 2,84 Nm.
speed 20m/min

X1/2 Axis:

working area 600 mm
installed torque 2,84 Nm
speed 60 m/min

Code	Description	Image
AS-FLEX600	Troughfeed cnc drilling and dowel insertion	 <p>The image shows the AS-FLEX600 machine, a complex industrial unit with a white cabinet and various mechanical components. It is equipped with a control panel and a power supply unit. The machine is designed for troughfeed cnc drilling and dowel insertion.</p>
VR-Z1/2MANUALE	Z 1/2 Axis manual setting: working area 40 mm	 <p>The image shows the VR-Z1/2MANUALE machine, a manual setting unit with a white cabinet and a large, open working area. It is designed for Z 1/2 axis manual setting with a working area of 40 mm.</p>
VR-1+1 HZ DRILL	<p>Horizontal Drilling Unit: The machine is equipped with one drilling unit per side. Total: 1+1 horizontal Drilling Units</p> <ul style="list-style-type: none"> -Fixed Side Drilling Unit: -Motor Power 0.7KW -Drill Rotation Speed 6.000 rpm -max Drilling Depth 40mm -Manual Adjustment of Drilling Depth -Movable Side Drilling Unit: -Motor Power 0.7KW -Drill Rotation Speed 6.000 rpm -max Drilling Depth 25mm -Manual Adjustment of Drilling Depth" 	
VR-2 SPINA8	<p>Dowel Insertion Unit: -N° of dowel insertion units 1+1 -dowel dimension \varnothing 8x30/40 std -max dowel projection 14mm -fiber optic sensor to check for dowel presence</p> <p>Gluing Plant: High pressure glue pump complete with pump support, glue/water switch for cleaning, glue filter and glue pressure regulator</p>	

<p>VR-BIDONI</p>	<p>Gluing Plant: - glue tank capacity 8 Lt - max glue density 900 cps - programmable electronic control of glue quantity - glue gun with inductive sensor to verify glue is shot - injector with double, reinforced seals to insure no leakage by needle</p>	
<p>VR-VOLT 400</p>	<p>General Information: -Voltage 400V 3Ph+N 50Hz -Control voltage 24 V -Air pressure</p>	
<p>VR-Pallet Flexline</p>	<p>Packing on pallet for Flexline</p>	

Code	Description	Image
VR-1VRDRILL	<p>Vertical Drilling Unit: Total: 2 vertical Drilling Units -Fixed Side Drilling Unit: -Motor Power 0.7KW -Drill Rotation Spee 4.500 rpm -max Drilling Depth 25mm -Manual Adjustment of Drilling distance from edge max 40 mm.</p> <p>-Movable Side Drilling Unit: -Motor Power 0.7KW -Drill Rotation Speed 4.500 rpm -max Drilling Depth 25mm -Manual Adjustment of Drilling distance from edge max 40 mm.</p>	
VR-BARCODE	<p>Bar code and Qrcode reader gun wireless</p>	
VR-HOPPER	<p>Hopper feeder for loading a stack of pieces</p>	
VR-POMPA 2-1	<p>High pressure glue pump complete with pump support, glue/water switch for cleaning, glue filter and glue pressure regulator Pump equipped with stainless steel membrane, pressure regulator able to maintain a constant glue pressure also when the pump inverts the pumping cycle to check its correct operation + scale to control the presence of glue in the system to check its correct operation</p>	
VR-Z 1/2 CNC	<p>CNC Z 1 / 2 axis, powered with brushless motor working area 40 mm installed torque 1,27 Nm head travel speed 10 m/m</p>	