

SIGNODE MD-V

Fully automatic vertical strapping machine

with fully patented SwingWELD sealing technology

for use with Polypropylene or Polyester strap widths of 9-13mm or 12-16mm



SwingWELD – Vibration Weld-System
SURECRIP – Tension Winder-System

Patented features

Loop ejection

Automatic strap

Features and benefits

High strap tension – outstanding accuracy and repeatability from 80 to 2000 Newtons (alternatively 80 to 2400 N)

Greater machine availability – the automatic strap loading system and quick change coil system ensure rapid coil changeover with minimum downtime

Automatic strap rewind and ejection – strap is automatically ejected when the strap coil is empty.

Maximum safety – the machine is CE approved and has numerous safety features for maximum operator protection

High system flexibility – two versions of strapping head suit polypropylene or polyester strap in either 9-13 mm or 12-16 mm widths.



CE

SIGNODE MD-V

Fully automatic vertical strapping machine

Taking reliability and durability to a new dimension

Design, function and operation

The **MD-V** is a fully automatic vertical strapping machine designed to offer exceptional levels of machine availability. It also offers a wide choice of machine options – enabling it to be customised to the exact requirement of your packaging operation.

Based on a robust, welded box section construction, the strapping head is mounted securely within the machine. Packs are transported into position along a guide rail by the customer conveyor system.

The **MD-V** has the flexibility to use either polypropylene or Tenax® polyester strap in 9, 11, 12, 13 or 16 mm widths – giving it the capability to pack everything from cartons, boxes and

containers to timber and metal products. The strapping head is also available in two versions to suit different strap materials and widths.

With very few wear parts and easy access to all parts of the strapping head, the **MD-V** has minimal maintenance demands. It also comes with the option of a strapping head cradle which offers even easier servicing and further reduces maintenance. The machine is CE approved and includes a range of added safety measures to provide the highest levels of user protection. Features include electrically interlocked doors which automatically switch the machine off if a door is opened.



Low maintenance

Designed for a long operational life, the MD strapping head needs virtually no maintenance. It features an exchangeable welding module and has the option of a strapping head cradle for faster, easier servicing.



Flexible PLC Control with display

The MD-V incorporates a Siemens S7 PLC control with Siemens TD200 display for optimum performance, high speed and reliability.



Strap auto-feed

After changing the strap coil, operators simply insert the strap into the strap guide. Strap is automatically reloaded to ensure rapid changeover and maximum uptime.



High strap joint strength

The patented SwingWELD system guarantees a high joint strength. The pre-selected strap tension has a guaranteed repeat accuracy of 3% to ensure consistent pack presentation.

Options

- Special aluminium chute sizes on request
- Additional dispenser types
- Special electrics on request
- Cradle for strapping head
- Low on strap sensor plus tower light
- Industrial strength interlock kit
- PLC AB Micrologic
- Automatic strap rewind after strap coil depletion

Machine Design

The **MD-V** is supplied with an aluminum chute in the following sizes :
The chute width varies from 650 mm to 1650 mm in increments of 200 mm.
The chute height varies from 1150 mm to 2150 mm in increments of 200 mm.
The total chute length may not exceed 6600 mm. Non-standard chute sized are available to special order.

Strapping Materials

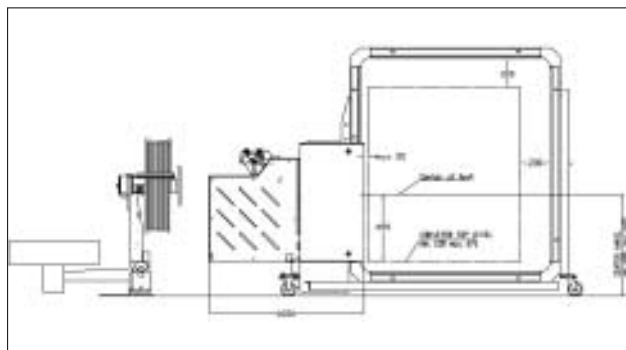
Signode Dylastic® Polypropylene		Signode Tenax® Polyester	
654 series	9 mm	1616 series	9 mm
714 series	11 mm	1716 series	11 mm
716 series	11 mm	1718 series	11 mm
718 series	11 mm	1818 series	13 mm
816 series	13 mm	1822 series	13 mm
818 series	13 mm	2030 series	16 mm
		2040 series	16 mm
		2080 series	16 mm

Worldwide Service Back-up

As a global product, strapping materials, service and spare parts can be obtained from all Signode distributors and partners.

Technical Data

Strapping Head	MD cam driven head with patented new technologies
Joint Method	SwingWELD - vibration seal
Strap Tension	Adjustable from 80 to 2000 Newtons (alternative 2400 N) with high repeat accuracy
Strap Cycle	Initiated by customer contact or photo cells or pushbutton
Power Supply	400/415 volts, 3 phase, 50Hz or 460 volts, 3 phase, 60Hz
Power Consumption	1,5 kW (+ Conveyors)
Control Voltage	24 volts VDC
Strapping Cycles	Up to 20 strap cycles per minute, depending on chute- and package size
Control System	Siemens S7 PLC plus display TD 200
Max Noise Level	79 dB (A)
Max Chute	Size 1650 x 2150 mm (width x height)
Min Pack Height	100 mm
Machine Weight	355 kg, depending on specification
Machine Finish	
Frame :	RAL 7021 black
Chute	Aluminum
Electrical Cabinet	RAL 9006 lightgrey
Dispenser	RAL 7021 black



SIGNODE 

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Signode has a policy of continuous product development and reserves the right to alter specifications at any time without prior notice.