

Fully-automatic side sealing steel strapping machine

FROMM Steel strapping machines are suitable for applications in the forest products-, metals-, building products- and general bailing- and unitizing industries.



Technical data for model AM500

|                               |   |  |
|-------------------------------|---|--|
| Suitable strapping qualities: | Uniflex and Ultraflex max. 1100 N/mm <sup>2</sup> / 160'000 psi |  |
| Strapping dimensions:         | widths  | 9.5 – 32.0 mm  |
|                               | thicknesses   | 0.50 – 1.00 mm                                       |
| Average seal strength:        | up to 80% of strap breaking strength (dependent on quality)     |  |
| Sealing method:               | Sealless joint  |  |
| Strapping heads:              | M100  | MH200  |
| Tension:                      | up to 9000N, adjustable   | up to 18000N, adjustable                             |
| Tensioning speed:             | 120 mm/s / 3.9 ft/s   | 120 mm/s / 3.9 ft/s                                  |
| Feeding and retracting speed: | 2.0 m/s / 6.5 ft/s  | 2.0 m/s / 6.5 ft/s                                   |
| Power:                        | Hydraulic   | Pneumatic  |
|                               | Pressure up to 185 bar<br>Flow 10l/min.                         | Air pressure min. 6 bar<br>Consumption ~200 NI/cycle |
| Control Voltage:              | 24V DC  | 24V DC   |
| Max. package size:            | W 2500 x H 3000 mm  | W 2500 x H 3000 mm                                   |
| Min. package size:            | W 300 x H 300 mm  | W 200 x H 100 mm*                                    |
| Outer diameter coils:         | -   | min. 1000 mm*  |

\*MH201 for small packages of min. size W 150 x H 100 mm (Outer diameter for coils min. 800 mm) available

#### Advantages

- Fully automatic machines reduce the total strapping time substantially compared to manual operations
- Under normal circumstances labour work is completely eliminated
- The rugged fully automatic machines have been designed for continuous and shift operations demanding a high working reliability
- A very wide variety of different fully automatic machines meeting the requirements of all major industries including a broad range of options are available
- Customer friendly control system; keyboard and display show all information and messages in the language required by the customer
- Every fully automatic machine is built for the specific requirements of the customer
- After sales service is guaranteed by our FROMM subsidiaries and distributors

#### Chart of types AM100-200-500 Series

| Model    | Vertical fixed machine | Vertical moving machine | Side head | Fixed head with side head only | S word  | Edge protectors automatic | Wooden runners automatic |
|----------|------------------------|-------------------------|-----------|--------------------------------|---------|---------------------------|--------------------------|
| Code     | 1XXXXX                 | 2XXXXX                  | 5XXXXX    | 52XXXX                         | XXX 2XX | XXXX 2X                   | XXXX X2                  |
| AM100000 | X                      |                         |           |                                |         |                           |                          |
| AM100002 | X                      |                         |           |                                |         |                           | X                        |
| AM100022 | X                      |                         |           |                                |         | X                         | X                        |
| AM100200 | X                      |                         |           |                                | X       |                           |                          |
| AM100220 | X                      |                         |           |                                | X       | X                         |                          |
| AM200200 |                        | X                       |           |                                | X       |                           |                          |
| AM500000 |                        |                         | X         |                                |         |                           |                          |
| AM500200 |                        |                         | X         |                                | X       |                           |                          |
| AM520000 |                        |                         | X         | X                              |         |                           |                          |

Additional options and combinations are available. Please check with our specialists.

#### Options

- Pneumatic vertical movement instead of gear motor with chain (if the height of packages changes < 200 mm only)
- Dispenser HA1 instead of VR 7 (when small amount of strapping is retracted)
- Dispenser HAJ-10 instead of VR 7 (for Jumbo coils from 200 to 1500 kg)
- Oil collecting basin under the hydraulic unit
- Hydraulic unit on the top of the machine, incl. oil collecting basin
- Transformer for electric supply different than 400 V / 50/60 Hz
- Heating for the hydraulic box
- High platform for head maintenance and easy operation
- Telescopic arch
- 4 lamps: red = emergency stop; white flash light = alarms; orange flash light = end stop; green = regular operation; green flash light: manual operation
- Vertical press up to 400 kg / 880 lbs
- Vertical press up to 2000 kg / 4400 lbs
- Vertical press up to 5000 kg / 11000 lbs
- Automatic top corner protectors and/or bottom wooden runners



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