

FROMM develops and produces a wide variety of systems for unitizing and palletising goods for transport: strapping machines and systems, pallet stretch wrapping machines, the patented pillow system.

FROMM STRAPPING TOOLS

PNEUMATIC PLASTIC STRAPPING TOOLS

P355

Strapping Qualities:

- Polypropylene (PP) and Polyester (PET)

Strapping Dimensions:

Width= 10.0-16.0mm / 3/8- 5/8"

Thickness= 0.40 - 1.05mm / .016 - .041"

Average Seal Strength: approx. 75% of strap breaking strength

Type of Seal: Friction weld sealing

Strap tension: 400 - 2100N / 90 - 470lbs (adjustable)



P356

Strapping Qualities:

- Polyester (PET)

Strapping Dimensions:

Width= 16.0-19.0mm / 5/8- 3/4"

Thickness= 0.40 - 1.35mm / .016 - .053"

Average Seal Strength: approx. 75% of strap breaking strength (depending on strap quality)

Type of Seal: Friction weld sealing

Tension: 800 - 3700N / 180 - 830lbs (adjustable)



BATTERY PLASTIC STRAPPING TOOLS

P328

Strapping qualities:

Polyester (PET) and Polypropylene (PP) plain and embossed

Strapping dimensions:

width 12.0 – 16.0 mm

Thickness 0.40 – 1.05 mm / .016 – .041"

Type of seal: Friction weld sealing

Average seal strength: approx. 75% (depending on strap quality)

Tension force: 250 – 2600 N / 56 – 585 lbs (adjustable)

Tension speed: 67 – 124 mm/s / 2.6 – 4.9 inch/s



P329

Strapping Qualities:

- Polypropylene (PP) and Polyester (PET) • Plain and Embossed

Strapping Dimensions:

Width= 16.0-19.0mm / 5/8- 3/4"

Thickness= 0.65 - 1.35mm / .026 - .053"

Average Seal Strength: Up to 75% (depending on strap quality)

Type of Seal: Friction weld sealing

Strap tension: 500 - 4000N / 112- 900lbs (adjustable)

Power supply: Battery 18 VDC / 4.0 Ah Li-Ion

P331

Strapping Qualities:

- Polyester (PET) • Plain and Embossed

Strapping Dimensions:

Width= 19.0-32.0mm / 3/4- 1 1/4"

Thickness= 0.60 - 1.53mm / .024 - .060"

Average Seal Strength: Up to 75% (depending on strap quality)

Strap tension: 1200 - 7000N / 270- 1575lbs (adjustable)

Power supply: Li-Ion 36 VDC / 2.5 or 4.0 Ah



FROMM STRAPPING TOOLS

PNEUMATIC SEAL LESS COMBINATION STEEL STRAPPING TOOL - A380

Strapping qualities: Uniflex and Ultraflex max. 1100 N/mm² / 160'000 psi
Strapping dimensions:
Width : 12.7 – 25.0 mm / 1/2 – 1”
Thickness : 0.50 – 1.00 mm / .020 – .040”
Weight : 17.4 and 18.4 kg / 38.4 and 40.6 lbs with suspension
Average seal strength : Approx. 80 %
Strap tension : The tool is available for different stages of strap tension
Suspensions (Optional) : Suspension bracket for standard application is supplied with the tool. Four different suspension brackets are available



MANUAL SEALLESS STEEL STRAPPING TOOL – A333

Strapping qualities: Uniflex regular duty max. 850 N/mm² / 123'000 psi
Strapping dimensions:
Width : 12.7 – 20.0 mm / 1/2 – 3/4”
Thickness : 0.38 – 0.58 mm / .015 – .023”
Weight : 3.9 kg / 8.6 lbs Normal version 4.3 kg / 9.5 lbs TW version
Average seal strength: Approx. 80 %
TW-version available: Torque wrench tensioning system
Suspension (Optional): Bolt and grip ball for horizontal applications; have to be ordered separately
Suspension bracket for vertical applications; has to be ordered separately



MANUAL PUSHER TYPE STEEL STRAPPING TOOL

Characteristics A301 – Manual tensioner for flat objects

Strapping qualities: Uniflex and Ultraflex max. 1100 N/mm² / 160'000 psi
Strapping dimensions:
Width : 19.0 – 32.0 mm / 3/4 – 1 1/4”
Thickness : 0.63 – 1.00 mm / .025 – .040”
Weight : 3.5 kg / 7.7 lbs
Seals : Semi open or overlap seals,
Sealing: With separate manual sealer model A412



Characteristics A412 – Manual sealer

Strapping qualities: Uniflex and Ultraflex max. 1100 N/mm² / 160'000 psi
Strapping dimensions:
Width : 19.0 – 32.0 mm / 3/4 – 1 1/4”
Thickness : 0.63 – 1.00 mm / .025 – .040”
Weight : 3.4 kg / 7.4 lbs
Average seal strength: approx. 75% Seals: Semi open or overlap seals, see chart
Type of joint: Double notch up cut joint
Tensioning: With separate tensioner model A301

MANUAL PLASTIC PET STRAPPING TOOLS

P404

Width : 15-16 mm
Thickness : 05-09 mm



P403

Width : 11-13 mm
Thickness : 04-09 mm



AUTOMATIC & SEMI-AUTOMATIC TABLE STRAPPING MACHINE AND AIR PAD MACHINE

AUTOMATIC STRAPPING MACHINE

PM308

Strap Qualities:

- Polypropylene (PP)

Strap Dimensions: Width 8.0-15.5 x Thickness 0.55-0.70 mm

Strap Tension: 100-700 N (adjustable)

Sealing Method: Heat Welding

Power Supply: 230V / 50 Hz, 1 phase

Power Consumption: 1.2 kWh

Strapping Seed: 2.2 sec./cycle (27 cycles/min) approx.

Dimensions:

Length: 1430 mm

Width: 620 mm

Table Height: 810 mm

Weight: 220 kg Machine Weight

Standard Arch Size: 850 x 600 mm

Temp. of working environment: 5 ~ 40°C



SEMI-AUTOMATIC STRAPPING MACHINE

PM206

Strap Qualities:

- Polypropylene (PP)

Strap Dimensions:

Width: 6.0-15.5 mm

Thickness: 0.50-0.75 mm

Strap Tension adjustable: 150-450 N

Sealing method: Heat Welding

Power Supply: 230V / 50 Hz

Power Consumption: 0.25 kWh

Strapping speed: 2.5sec./cycle (approx. 24 strapping cycles/min.)

Dimensions:

Length: 902 mm

Width: 586 mm

Table Height: 760-930 mm (adjustable)

Weight: 85Kg

Strap core inned diameter: 200/230/280 mm (interchangeable)

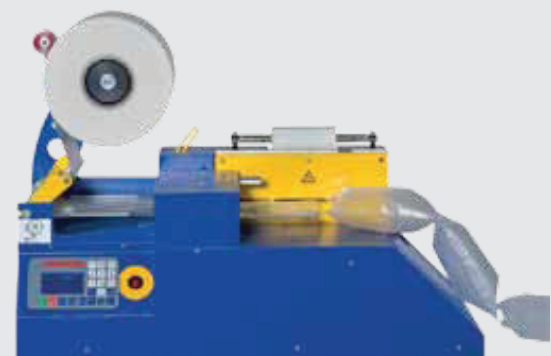
Temp. of working environment: 5 ~ 40°C



AIR PAD MACHINES

AP100

- User friendly and easy to operate
 - Easy roll change and short start up time
 - Ergonomic, integration with mobile bin
 - Stand alone hopper
 - Highly reliable and low maintenance
- Pad Sizes: 200 x 135 mm / 200 x 200 mm
 Film Width: 200 mm, 400 mm
 Film Thickness: from 20 to 35 my
 Film Quality: PE



FILM WRAPPING MACHINE & AIR PAD MACHINES

AUTOMATIC ORBITAL FILM WRAPPING MACHINE

FV350-90 Automatic Inline Orbital Wrapping Machine

Code : FV350/90

The Fromm FV350-90 Automatic Inline Orbital Wrapping Machine is an automated system to stretch wrap long products such as pipes, tubes and rods. This fully automatic programmable machine with a 900mm diameter ring, when combined with conveyors, and safety systems is the ideal solution for small process lines.

Extremely low maintenance, the Fromm FV range is exceptionally easy to install & operate - Plug and play, no fuss. All equipment is supported by our on-site mobile service team and spare parts if needed are readily available. Optional extra's include - Top presser, side rollers, driven conveyors, automatic driven rollers, short product bridge.

FV350

- CE Certified
- Proven quality with competitive price
- Easy operation, simple maintenance
- Double film reel dispenser
- Ring protection
- Adjustable stretch film tension
- Automatic film cutter and clamp

Technical Data

Ring Diameters: 50/90/125/160/200/250 cm

Standard Film quality: 23 μm

Film Quality: 17,23 or 30

Film reel dimensions: 100,170, 250 mm

Ring Speed: 50 rpm to 350 rpm

Speed inverter/ PLC: Fuji / Omron

Power Supply: 230V / 50/60 Hz

Power Consumption: 0.40-1.66 kWh

Line Speed: up to 30m/min



VERTICAL STRETCH WRAPPING SYSTEM

Simple solutions for wrapping pallets

FROMM stretch wrappers are extremely user-friendly and can be used in every situation. The programs are very easy to operate and extremely flexible.

All the Stretch Wrapping Machines are designed to cope with a high workload. The use of carefully selected components keeps maintenance to a minimum.

Strapping systems for all needs

The current range of products includes more than 40 basic models of strapping tools (pneumatic, electric and manual) and semi-automatic and fully automatic strapping systems.

Securing products around the world

FROMM manufactures a complete line of packaging products and equipment for unitizing and palletizing industrial loads. Customers throughout the world rely on the innovative products developed by FROMM to secure goods.

The current product range includes strapping tools and systems, stretch wrapping machines and the patented Airpad machine that produces protective packaging and void fill material.



FS400

STRETCH WRAPPING MACHINES

FS3XX Series Budget Stretch Wrapping Machines

Machine Features

- Adjustable Speed Turntable
- Adjustable bottom wraps
- Adjustable Speed carriage
- Adjustable top wraps

Machine Specifications

- Space saving machine with diagonal hinged mast (FROMM patent)
- Turntable Height: 75 mm
- Turntable Diameter: 01.500 mm
- Max. Loading Capacity: 01.500 mm Turntable: 1350 kg
- Turntable Diameter: 01.650 mm
- Turntable Diameter: 01.800 mm
- Loading Capacity: 0.1650 mm and 0.1800 mm turntable: 2.000 kg
- Horse shoe turntable: 0.1650 mm
- Max loading capacity: 01.650 mm
- Horse shoe turntable 0.1650 mm: 1250 kg
- Gearbox / Chian tension reducer (FROMM Patent)
- Column 2200 mm- Pallet height 2100 mm + 100 mm
- Column 2500 mm- Pallet height 2400 mm + 100 mm
- Column 2800 mm- Pallet height 2700 mm + 100 mm
- Max height of film core: 500 mm
- Max diameter of film core: 250 mm
- Power Supply: 1Ph / 230 v
- Weight: 500 kg

Available Options

FS330/FS331/FS332/FS333



FS360 SEMI-AUTOMATIC STRECH WRAPPING MACHINE

Machine Features :

- Turntable speed from 6 to 12 rpm
- Carriage speed from 2 to 4 meters/minute
- Capacity of pallets per day depends on high/low rpm, pallet height and wrapping mode
- Hours of operation 8 h/day, 5 days/week
- FS360 Sealing height maximum of 2.100mm / 82.67"
- Wrapping machine max. weight Ø1.500mm 1.500kg
- Wrapping machine max. weight Ø1.650mm 2.000kg

Conditions :

- Environmental temperature + 5o to +30oC
- Environment clean, dry and not corrosive

Electrical System :

- Power supply 1 x 230 V 50/60Hz
- Control voltage 24 V/dc
- Turntable motor 0.55kW
- Mast motor 0.18kW
- Film carriage motor 0.37kW
- Installed power 1.1kW

Goods on pallet :

- Pallet dimensions (Length x width) Ø1500mm 800 x 1200 x 140 / 31.5" x 47.24" x 5.51"
- Pallet dimensions (Length x width) Ø1650mm 1100 x 1200 x 140mm / 43.30" x 47.24" x 5.51"



SELF ROTATING ROBOT MACHINES

FR33 Series

FR33x Series Robot stretch Wrapping machines with C2 carriage

Self- propelled machines for wrapping stacked loads with protective LLDPE film, with one or multiple wrapping programs and various pre-stretch systems

The FROMM robot is a mobile, semi- automatic stretch wrapping machine. It is particularly suitable for customers who need to wrap a wide range of large pallets or for situations where stretch wrapping takes place in various locations. With the battery fully charged, it can wrap up to 180 Euro pallets.

FR330 with C2

Mechanical brake system (20 - 70% tension), Equipped with simple OP1 or sophisticated OP2 control panel.

Available Options

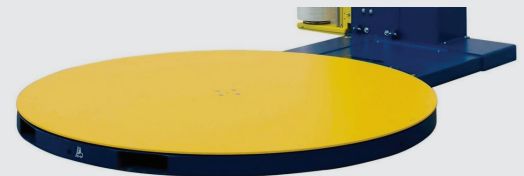
FR330/FR350/FR390/FR400



STRETCH WRAPPING MACHINES

FROMM Turntable

Strong rigid structure, maintenance-free chain drive and short basic length to save space,
Start – stop soft start and return to ZERO position,
Start wrap height bottom wraps adjustable on turntable level (bottom pallet),
Sound level ← 80dB with cast film, anti slippery treatment ,
Transport by means of 2 holes for forklift truck at the front side.



FV205

Reliable and multifunctional semi- automatic, vertical stretch wrapping systems with mechanical film brake adjustable by means of a hand wheel. The film is applied vertically. Suitable for wrapping long products, like profiles, wood, aluminium, steel, stainless steel etc. With a wide range of Semi automatic machines starting with diameter 400 followed by 600- 1.000 and 1.400 mm.

Benefits:

- Attractive and competitive price level
- Minimum maintenance required
- Inside Ring Diagonal 390 mm
- Easy to operate control panel
- Automatic cutting divide for the film
- Automatic stop in zero position
- Adjustable vertical guide unit
- Acceleration & deceleration speeds controlled by inverter
- Working height 870-960 mm
- Supply complete with CE_declaration of conformity
- Conveyors in various lengths

Standard technical specifications

Maximum diameter goods: 390 mm

Min dimensions: 30 x 30 mm (W x H)

Max Dimensions: 250 x 200 mm (W x H)

Max Weight: 25 kg per meter

