FROMM | WRAPPING SOLUTIONS

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FS500 Series
Arm wrapping machines

FS500 Series

FS500-series Arm Wrapping Machines, like other FROMM wrapping machines, are made up of modules, which can be built in accordance with the customer's requirements into an excellent 'fitted' solution for the most diverse film wrapping jobs. From light and unstable to heavy and large loads of various kinds. Can be used as wall mounting, floor mounting, with or without conveyor tracks and an automatic working version. The FS500 series offers FROMM customers an almost inexhaustible number of options. Amongst others they can be equipped with 4 different film carriages. The basic FS500 is equipped with a CA4 type film carriage with an Electromagnetic film brake. Even over time, the machine can be adapted to a new set-up / operation by choosing from various options and modules. The robust built FS500 machines are reliable partners for every user, requiring minimal maintenance. Focussing on efficiency and stable, safely wrapped pallets, for transporting loads at the lowest possible TCO.

FS500 series film carriages are constructed to also include the pallet in its lowest wrapping position The standard OP2 type operating panel, can store up to 99 free programs, besides a manual wrapping function.

With its wrapping speed of 5 - 12 rpm and other features, it can easily wrap an average of up to 100 standard pallets, per working day (8 hours). When not in use, FS500 series Arm Wrappers ask no extra floorspace.
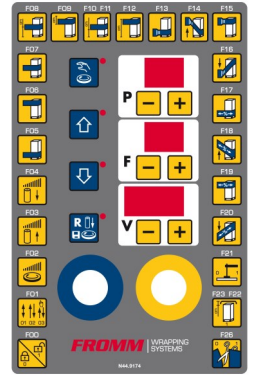
Standard equipment and functionalities

- Max. load/product dimensions: 1.100 x 1.300mm.
- Wrapping height: 0 - 2.500mm (incl. pallet).
- Designed and built in accordance with the CE directives and equipped with separate emergency stop and reset buttons.
- OP2 type control panel , with 99 free programmable programs.
- Type CA4 film carriage with Electromagnetic film brake.
- Rotating arm, start and stop by frequency controller;
- Film carriage, vertical movement by frequency controller.
- Acoustic signal at the start of each wrapping cycle;
- Safety Bumper Belt in front of the film carriage, for protection against collisions.
- Package detection by means of a photocell fitted on the film carriage.

Standard programs

- 99 free programmable wrapping programs.
- Double cycle: up and down.
- Single cycle: up or down only.
- Full manual wrapping cycle.
- Top sheet allocation cycle.
- Reinforcement wrapping cycle at predefined heights with various wraps.
- Stepped wrapping cycle up.
- Cycle with Altameter. Photocell switched off.
- Cycle with start and stop at pre-programmed height.

Machine performance elements

- Rotating arm speed: 5 - 12 rpm.
- Independently adjustable film carriage speed, up and down. Speed up and down: 1,3 up to 5,4m/min.
- Top wraps: 1 - 10.
- Bottom wraps: 1 - 10.
- Settable photocell sensing delay.
- Film consumption measuring in grams on CA6 and CA7 only.
- All programs/parameters settable on OP. Including key lock.

Optional Film Carriages

The FS500 series are standard equipped with a **CA4** film carriage with **electromagnetic film brake**. This is excellent for the average user with many standard regular products and thinner films. For wrapping with thin and pre-stretched films as well as net films, a **CA2** film carriage **with mechanical brake** can be used.

In addition, with larger volumes, different sizes and types of products, the user has a choice of the **CA6** carriage with a **1 motor powered film roll brake** (fixed pre-stretch of 150, 200 or 250%) or the **CA7** carriage with two motor-driven **power pre-stretch.** Delivering between 120 and 350%. (1 meter becomes 4,5 meters of film).

The *EasyChange™* film loading system, helps you to safely and efficiently exchange film rolls.

Note:
See standard machine options for some practical additions to these carriages.

FS500 Series

Standard machine options

Frame extensions, for bigger loads

- Load dimensions < 1.400 x 1.400mm with a max. Ø of 1.980mm. Max. wrapping speed 10rpm.

- Load dimensions < 1.500 x 1.500mm with a max. Ø of 2.120mm. Max. wrapping speed 9rpm.

- Load dimensions < 1.600 x 1.600mm with max. Ø of 2.260mm. Max. wrapping speed 8rpm.

- Load dimensions < 1.700 x 1.700mm with max. Ø of 2.400mm. Max. Wrapping speed 8rpm.

- Mast for pallet heights up to 3.000mm.

Top pressure plates, for unstable loads

- Rectangular top pressure plates, electric powered with various strokes: 1.000, 1.200, 1.400 or 1.600mm.

- Remote control, Start / Stop only.
- Extra remote control transmitter.
- Remote control, with selection of 6 programs.

Additions to CA6 & CA7 Film carriages

- Automatic integrated end of film cutting device.
- Automatic film welding unit, self adjusting to any size of load.
- Automatic 4-lane film cutting device for banderol wrapping.
- Roping system, for additional effective load stabilisation.

Multiple Smart Options and More

Besides a selection of standard options, the FS500 series offers multiple tailormade or specialized options like photocells, conveyor systems, add-ons for wrapping of special non standard products, top sheet dispensers, optical signals, etc.

Stand-alone; floor or wall mounted, System integrated or Automatic wrapping station.

The construction of the FS500 series makes them easy to adapt to the location where they have to work. Floor or wall mounted, they do not take up more floor space than necessary. Stand alone or integrated into a full packaging line. As an independent automatic packaging station with conveyors and many more applications are possible. Ask your FROMM representative to find the best solution for your company.

FS500 Series

We are always close to you

The FROMM employees are our most important asset. To guarantee the high level of expertise, Qualified FROMM specialists provide professional advice, fast service and reliable maintenance. FROMM operates globally through more than 40 own offices in Europe, North and South America, South Africa, India, Asia and Australia. As well as a range of specialized long-term sales partners around the world. Wherever you are, FROMM can provide you with technical support, full maintenance service and fast deliveries from local warehouses.

Sustainability

The FROMM corporate sustainability rules apply to all modern FROMM products. They are constructed and assembled from top quality materials, that can easily be taken apart and recycled in separate dedicated recycle flows. Their durable design also shows in low maintenance requirements and very limited use of lubricants.
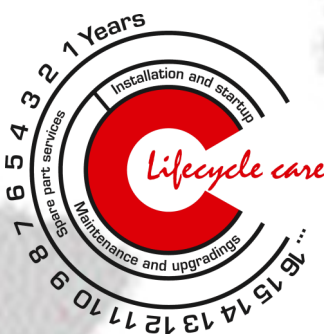
Quality is our business

FROMM is a Swiss family company with headquarters in Steinhausen, Switzerland. With over 70 years experience in the development, sales and service of a wide range of handheld tools and automated systems for securing and protecting transport loads; strapping, film wrapping and the Airpad® air cushion systems for extra protection of packaged products.

As a vertically integrated manufacturer of packaging equipment and associated consumables, FROMM has full control over all phases of the development process up to and including their production. All this results in an uncompromisingly reliable quality product with the brand name FROMM®. FROMM R&D facilities and factories are ISO certified.

The FROMM products world

Offers you high-quality well balanced end of line logistic packaging solutions. Discover our entire product world in our separate brochures or speak directly with your local FROMM partner.

The FROMM Lifecycle Care program

Gives you that extra care you want for your FROMM products.

All FROMM companies offer their local customers the Lifecycle Care program for FROMM machines and tools. From the first consultation, installation and start-up, throughout the entire life cycle - with maintenance, delivery of spare parts and possible upgrades - you can use this program to keep your FROMM products in top condition, limit downtime to the minimum and extend its service life. At the same time, your costs are kept low and the reliability of your equipment greatly increases.

Ask your FROMM location for the conditions.

Your FROMM Distributor

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