

**FROMM** | WRAPPING  
SYSTEMS

**FS400 Series**  
**Stretch Wrapping Machines**  
**400% Power Pre-Stretch**

### Standard technical specifications

#### Turntable

1.650mm/1.800mm/2.200mm

#### Maximum pallet format

1.100 x 1.200mm for ø 1.650mm  
1.250 x 1.250mm for ø 1.800mm  
1.550 x 1.550mm for ø 2.200mm

#### Maximum pallet weight

2.000 kg

#### Maximum pallet height

2.050mm/2.600mm

#### Power supply

230V – 50/60 Hz

110V – 50/60 Hz

#### Extremely complete standard version, including:

- soft start and soft stop in 0 position;
- audio signal at start of wrap cycle;
- adjustable bottom wraps;
- adjustable top wraps;
- photo-electric cell for automatic height detection;
- adjustable (frequency-controlled) turntable speed;
- adjustable (frequency-controlled) upward/downward speed of the film carriage;
- adjustable (frequency-controlled) first/second pre-stretch motor;
- counter for number of wrapped pallets per program;
- counter for metres of used stretch film per program;
- counter for total number of wrapped pallets for maintenance purposes;
- easy to operate integrated touch button control panel, based on microprocessor with multi language text display, for adjustment of parameters and previously set wrapping programs. Standard 14 languages available;
- Zero position at 90, 180 or 270 degrees.

#### Space saving open turntable

The optional open turntable makes loading with a hand pallet truck easy, specially where floor space is limited. Equipped with an integrated walk-on safety device.



#### A brief list of the benefits:

- easy to operate and extremely flexible wrapping programs make this machine suitable for almost all pallet formats and loads imaginable;
- wrapping can even start at turntable level (automatically adjustable);
- thanks to the FROMM Ultra-Fast changing system, changing the film roll within several seconds is a piece of cake. Open the door, remove the empty roll, place the new roll, close the door and off you go;
- the **2-Motor pre-stretch** unit makes it possible to realise more than **400% pre-stretch. (1 metre becomes 5 metres)**;
- using the easy to operate integrated touch button control panel, it is possible to set up any wrapping program you wish;
- by blocking these settings through a password, ensures that every type of pallet is wrapped in the most economical manner again and again;
- adjustable pallet foot program for extra fixation of goods on the pallet;
- adjustable banderol program for extra fixation of goods on different heights;
- low-maintenance machine with the usual high FROMM quality;
- the design fully complies with all current European quality and safety standards, including CE.

#### Options:

- pallet height 2.600mm;
- turntable 1.800mm;
- turntable 2.200mm;
- open turntable (horse shoe) 1.650mm;
- film cutting unit;
- top pressure plate;
- remote control;
- access ramp;
- access ramp for electric pallet truck;
- frame for submerged floor mounting;
- frequency transformer;
- photoelectric cell for black film.

#### 2-Motor Power Pre-Stretch unit

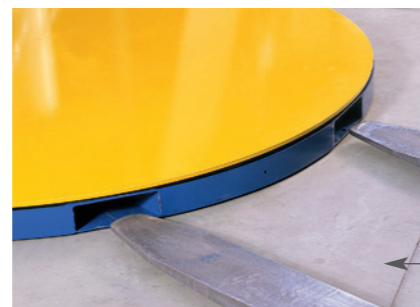
The motorised 2-Motor Power Pre-Stretch unit is easy to operate from the touch button control panel, realising a pre-stretch between 10% and 400%. High pre-stretch reduces film consumption, enabling you to achieve the best results at the lowest possible costs with optimal pallet stabilization and product protection.

Even in case of extremely sharp pallet corners, the machine can be set up in such a way that also with an average quality of film it will not tear or brake. Thus ensuring optimum reliability in combination with economic benefits.



#### Moving the machine

Easy to move using a forklift truck.



#### Integrated easy to operate touch button control panel with security code lock and text display to adjust:

- 7 programs direct selectable (green buttons);
- blocking of parameters possible;
- film tension at 4 places;
- pre-stretch at 4 places;
- turntable speed at 4 moments;
- number of bottom/top wraps;
- upward/downward speed of film carriage;
- delay of the photo-electric cell, for film overlap at pallet top;
- pallet foot program;
- banderol heights to wrap extra layer's of film if necessary;
- start position on or off;
- language selection;
- free programming of 30 wrapping programs;
- multi layer program;
- easy to read error code list.



#### Ultra-Fast film change

Changing the film roll and feeding the film through is so easy that anyone can do it within seconds.



#### Low bottom wrapping at turntable level

The lowest position of the film carriage is easy to set. It can even start wrapping at turntable level. In this case the pallet will be fully wrapped with the product at the same time.



## FROMM FS400 Series Economic Stretch Wrapping Machines

Semi-automatic stretch wrapping machines with 30 wrapping programs, equipped with a **2-Motor Power Pre-Stretch system**.



Development centre in Germany



Production centre for machines and equipment in Italy



Production centre for STARstrap™ strapping in Thailand



Productions centre for STARstrap™ strapping in Germany



Productions centre for STARstrap™ strapping in Chile



Polyester recycling plant in Germany

# FROMM Group

The FROMM Group develops and produces a wide variety of systems for unitizing and palletizing goods for transport: strapping machines and systems, pallet stretch wrapping machines, the patented Airpad pillow system, together with all necessary consumables.

Established in 1947, the Swiss family business generates a turnover in excess of 150 million Euros and employs a workforce of around 700 worldwide. 20 subsidiaries in Europe, North and South America, South Africa and Asia, along with a multitude of specialized sales partners throughout the world ensure – in your vicinity – professional advice, prompt customer service and maintenance.

The company pursues a policy of logical vertical integration while upholding traditional values such as proximity to customers, quality consciousness, continuity, independence and environmental awareness, which are the reasons for decades of success.

## Development centre

In the FROMM development centre, a long established and experienced team of engineers constantly develops new techniques and products using the very latest 3D CAD systems. Up-to-date test procedures guarantee the high FROMM quality standards.

## Production centres for machines and equipment

Production takes place round the clock in the FROMM production centres. Highly qualified teams of specialists manufacture FROMM products satisfying the highest demands of quality on computer-controlled machines. All machines are tested before leaving the factory. The company has ISO 9001 certification.

## Production centres for polyester plastic strapping and multilayer blown films

STARstrap™ plastic strappings are produced in the FROMM production cen-

tres exclusively from recycled polyester bottle material on modern state-of-the-art extrusion plant. These bands guarantee the high quality of the strapping carried out with FROMM machines and equipment.

All kinds of film types for the Airpad pillow material are produced on blown film extrusion machines. Special film types guarantee a high loading capacity of the individual pillow elements. The plants are certified in accordance with ISO 9001 and ISO 14000.

## Polyester recycling plant

Produced in the FROMM recycling plant from used PET bottles is high grade ground material, agglomerates and regranulates for the production of PET strapping, foodstuff films, textiles and drink bottles. This enables FROMM PET products to satisfy the most rigorous ecological requirements. The plant is certified in accordance with ISO 9001 and ISO 14000.

FROMM stands for development, production, consultancy, sales and service – worldwide and from a single supplier!

Benefit from our expertise!

