



 **PROLIFT**  
HANDLING LTD

**Pallet Handling  
Equipment**

## ROBOPAC Ecoplat Plus

Entry Level Turntable Stretch Wrapping Machines.

### Why Ecoplat Plus?

- New hmi, more intuitive and with more features
- Reliability and sturdiness thanks to the components designed and built following the strictest safety and quality protocols
- Easy maintenance, usb port to update and download the data and software of the machine easily and quickly
- Small investment for a great saving of time and film
- Industry 4.0 Possibility of installing r-connect system



### Ecoplat Plus Base Panel



- Panel with electromechanical buttons.
- Top and bottom wraps
- Upward-downward carriage speed
- Turntable rotation speed
- Emergency stop
- IP54 - protection against dust and water

### Ecoplat Plus FRD Panel

- Upward-downward cycle
- Only downward or upward cycle
- Top sheet cycle
- Manual cycle
- Eco cycle (recorded)
- Top wraps / Bottom wraps
- Reinforce wraps
- Turntable rotation speed
- Upward-downward carriage speed
- Photocell or altimeter
- Carriage ergonomic stop
- Emergency stop
- P54 - protection against dust and water



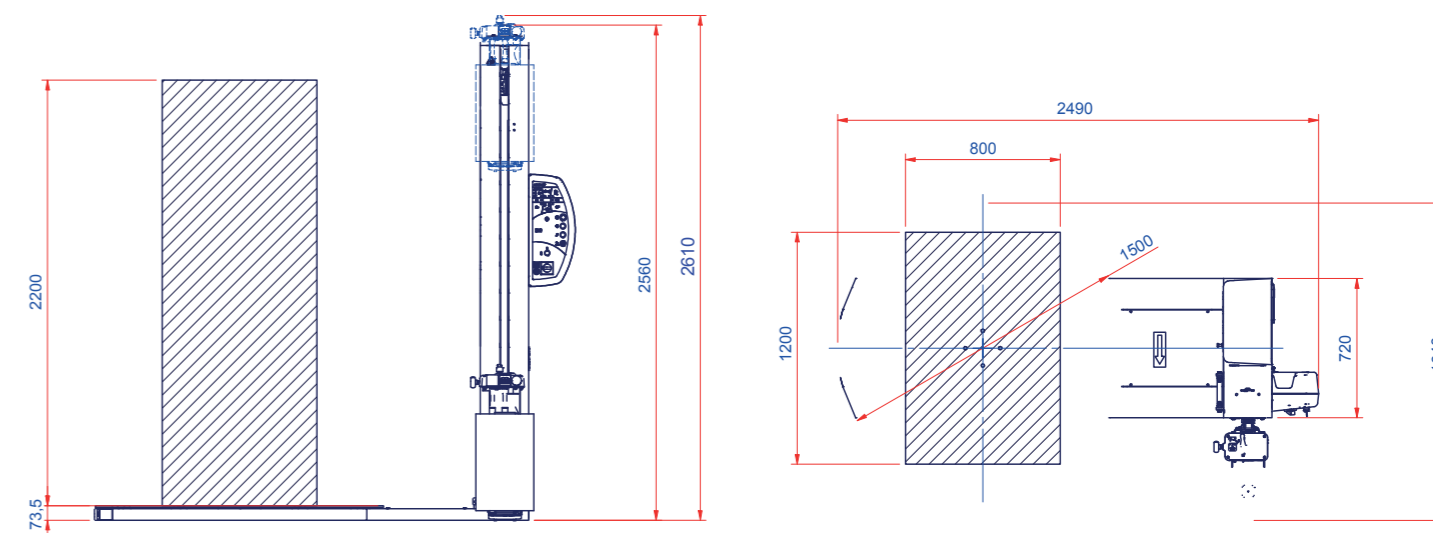
- R-connect system available (opt.)
- Max production
- Performance optimization & monitoring
- Predictive maintenance
- Downtime reduction
- Plug & play
- Industry 4.0



### Frd Carriage

Film carriage with mechanical brake manually adjustable to set the film tensioning. Brake engagement-release device to facilitate hooking the film to the base of the pallet.

### LAYOUT ECOPLAT PLUS [mm]



### Technical features

Machine	Ecoplat Plus Base	Ecoplat Plus FRD
<b>Turntable diameter and max load weight</b>	(mm e kg)	Ø1,500mm 1,200kg (std.) Ø1,500mm 2,000kg (opt.) Ø1,650mm 2,000kg (opt.)
<b>Turntable rotation speed</b>	(rpm)	4÷10
<b>Carriage up-down speed</b>	(m/min)	1.4÷4
<b>Film carriage type</b>		FRD
<b>Film tensioning</b>		Manual
<b>Film pre-stretch</b>	n.a.	N.A.
<b>Maximum pallet dimensions (LxW)</b>	(mm)	800x1200 std. 1,000x1,200 opt.
<b>Maximum product height</b>	(mm)	2,200 std. 2,400 opt.
<b>Power supply</b>	(V)	230 V 1Ph ±10% 50/60 Hz
<b>Installed power</b>	(kW)	1.2
<b>Max reel dimensions (HxØ)</b>	(mm)	500x300
<b>Max reel weight</b>	(kg)	20
<b>Film thickness</b>	(µm)	17÷35
<b>Forklifting</b>		Front and rear

## ROBOPAC EcoWRAP Plus XL

Semi-automatic rotating arm stretch wrapping machine.



### Why EcoWRAP Plus XL?

- Ideal for logistics
- New hmi more intuitive and with more features
- Reliability and sturdiness thanks to the
- Components designed and built following the strictest safety and quality protocols
- Easy maintenance usb port to update and download the data and software of the machine easily and quickly
- Industry 4.0 Possibility of installing R-connect system

### Control Panel



Panel LED display and a parameters selector by JOG.

- Only downward or upward cycle
- Upward-downward cycle
- Top sheet cycle
- Manual cycle
- Self-learning cycle
- Arm rotation speed
- Upward-downward carriage speed
- Photocell or altimeter
- Carriage ergonomic stop
- Top wraps / Bottom wraps
- Reinforce wraps
- Unlock Button
- USB port
- Emergency stop
- IP54 - protection against dust and water



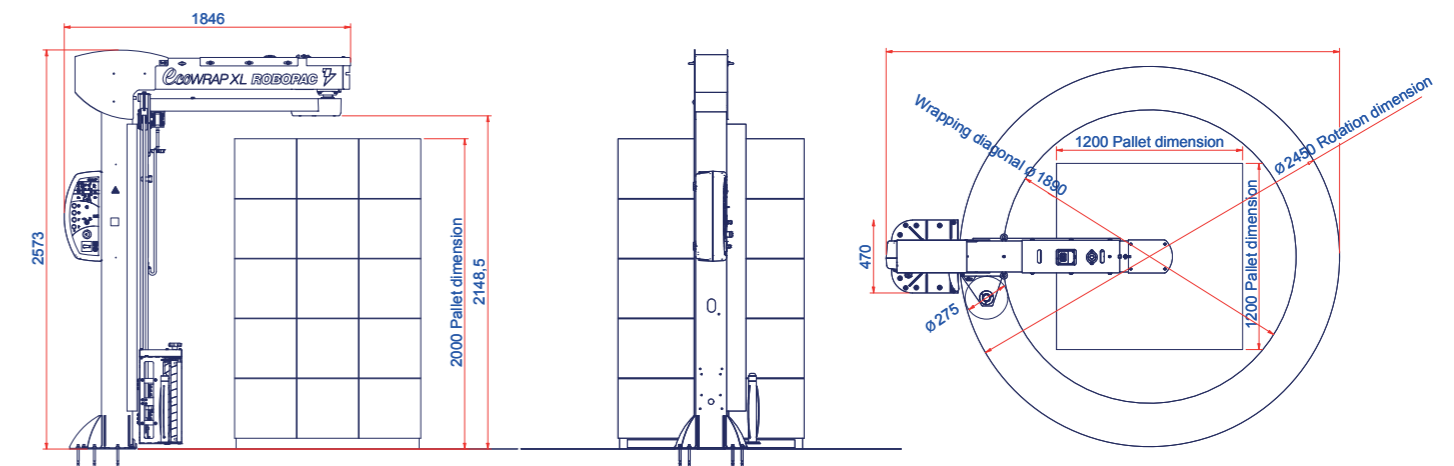
- R-connect system available (opt.)
- Max production
- Performance optimization & monitoring
- Predictive maintenance
- Downtime reduction
- Plug & play
- Industry 4.0



### Frd Carriage

Film carriage with mechanical brake manually adjustable to set the film tensioning. Brake engagement-release device to facilitate hooking the film to the base of the pallet.

### LAYOUT ECOWRAP PLUS XL [mm]



### Technical features

Machine		Ecowrap Plus XL
Maximum product height	(mm)	2,000
Maximum product dimensions (LxW)	(mm)	1,200 x 1,200
Arm rotating speed	(rpm)	7÷11
Carriage up-down speed	(m/min)	2.6÷6
Film carriage type		FRD
Film tensioning		Manual
Film pre-stretch		N.A.
Power supply	(V)	230 V 1Ph (±10%) 50/60Hz
Max reel dimensions (HxØ)	(mm)	500x275
Max reel weight	(kg)	8
Film thickness	(µm)	17÷35
Holder for reel with core or coreless (Ø76mm)		STD

## PREMIER PALLET SYSTEMS LTD FS Inverter

The FS is the simpler and less costly option where forklift trucks are available and ground level loading is not essential. It has a loading capacity of 2000 kgs (if you have lighter loads then please look at our DD1.25 data sheet).

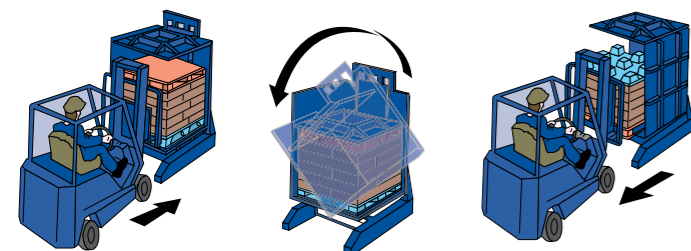


### Uses include

- Load transfer from wood to plastic or other hygienic pallet
- Recovery of damaged goods or broken boards from the bottom of the stack
- Switching to and from high quality in-house pallets
- Increased flexibility in pallet use enabling transfer to rental, expendable or customer pallets for distribution

### Key Features

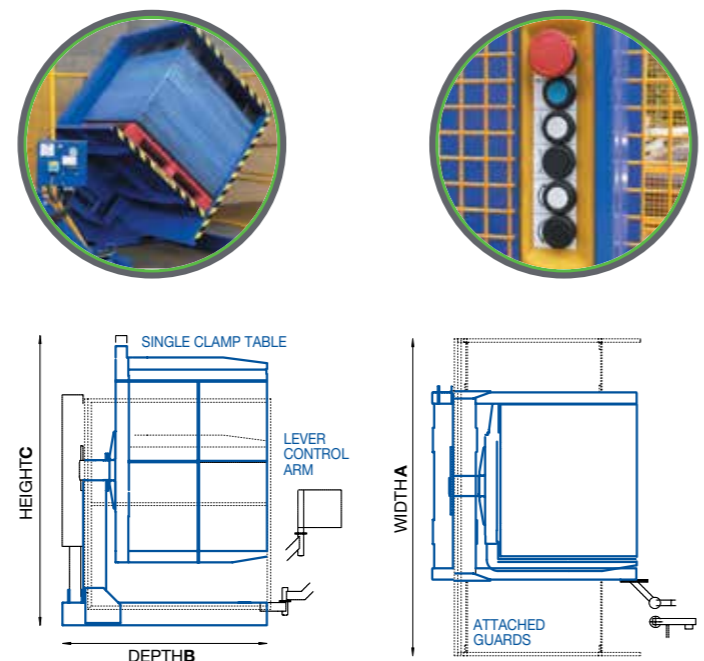
- 180 degree free-standing inverter
- Loading capacity 2,000kgs
- Single clamping table
- Loaded and relocatable by forklift truck
- Simple lever controls and attached guards
- Optional push button and automated controls plus floor fixed and photo-electric guarding



The FS is ideal for boxed, bagged or canned goods and is versatile enough to handle everything from yogurt and biscuits to bottles of wine or cement.

There are 3 standard jaw opening sizes, but we can custom-build to suit your specifications, load weights and dimensions.

Design constraints mean that it would not usually be modified to handle loads wider than 2,400mm, higher than 2,500mm or heavier than 3 tonnes.



### Specifications

	FS1600	FS1900	FS2200
<b>Usable Jaw Opening</b>	Max 1.60m Min 0.92m	Max 1.90m Min 1.06m	Max 2.20m Min 1.13m
<b>Standard Load Tables</b>	Width 1.37m Depth 1.22m	Width 1.37m Depth 1.22m	Width 1.37m Depth 1.22m
<b>Loading Capacity</b>	2,000kgs	2,000kgs	2,000kgs
<b>Power Supply</b>	3ph/400V/15A	3ph/400V/15A	3ph/400V/20A
<b>Motor Size</b>	2.2kW	3.0kW	4.0kW
<b>Weight</b>	1,700kgs	1,850kgs	2,000kgs
<b>Weight of Guards</b>	175kgs	175kgs	175kgs
Smaller or larger models can be custom built			
<b>Controls</b>	All models fitted with dual hydraulic lever controls as standard. Extended individual push button controls, semi or fully auto-sequenced systems available as an option.		
<b>Operating Space (including attached guards)</b>	A Width 2.80m B Depth 2.10m C Height 2.56m	A Width 2.80m B Depth 2.10m C Height 2.73m	A Width 3.01m B Depth 2.10m C Height 3.16m
Depth increases to 3.30m on all machines when fitted with floor fixed guards and multi photo-beams			
<b>Standard Shipping Dimensions (with guards fitted)</b>	Width 2.80m Depth 2.10m Height 2.20m	Width 2.80m Depth 2.10m Height 2.30m	Width 3.01m Depth 2.10m Height 2.40m

## PREMIER PALLET SYSTEMS LTD FS DC Inverter

The FS DC is the most versatile Inverter on the market. It's loaded at ground level by pallet truck or forklift. No ramp is required which reduces the footprint.



### Key Features

- Standard machine will handle loads with a height of 740mm MIN up to 2,000mm MAX
- Special models for taller loads
- Loading capacity 2,000kgs
- Versatile - can be loaded by pallet truck or FLT

The FS DC is supplied with 2,000mm high steel mesh guards as standard; with the option of extended guards and pedestrian access safety beam system.

Side bars allow fragile loads requiring reduced clamp pressure to be supported during inversion.

### Uses include

- Transfer product from wooden to plastic or other hygienic pallet
- Recovery of damaged bags or broken pallets from bottom of stack
- Switching to/from high quality in-house pallets
- Switching to/from one trip disposable pallets
- Recover used freezer spacers from stacks of frozen food
- Transfer to ISPM15 compliant pallets for export



- Solenoid 'hold to run' push button control pendant
- Optional, space saving, high resolution safety beams
- Optional solid sidewall with ramp loading
- Optional stainless steel lining to inside of machine
- Ideal for in-line conveyor-fed applications



## 90° Tippers

Our range of 90 degree downenders is constructed around the loads you need to handle.



We have three basic hydraulically powered designs but each unit is custom-built to match the load it has to tip.

We also take into account your method of loading whether it is by pallet truck, forklift or crane.

### Uses include

- Tipping paper reels on their sides before proceeding to unwinding
- Turning steel coils to 'core vertical' for palletization and transport
- Turning heavy objects in the production or maintenance programme

### Key Features

- Self-contained hydraulic powerpack
- Loading capacities up to 15,000kgs
- Remote push-button pendant control
- Very low maintenance
- Heavy construction with very high overload protection
- Simple, safe and effective



## V Changer

The V Changer is Premier's latest system of pallet exchange without the manual handling of the actual pallet.



It will handle any conventional sized pallet with bottom boards and will transfer loads ranging from 60cm to 205cm in height.

Tipping the load back into a 'V' format is an excellent method of retaining the integrity of the stack while returning the pallet to floor level.

### Uses include

- Load transfer from wood to hygienic in-house pallets
- Switching outgoing loads to shipping or one-way pallets
- Handling loads which must remain the original way up after transfer
- Suitable for block stacked loads rather than sacks

### Key Features

- Pallet Latch system adjusts to suit pallets
- 110° tilt with V profile
- Flush-to-floor loading, no ramp
- Smooth, effective, semi-auto controls
- Guarding adaptable to suit the location



## Pallet Magazines

Efficient pallet flow. No manual lifting of pallets.



**Automation is one of the keywords to boost efficiency. The PALOMAT® pallet magazine automates pallet handling, increases efficiency when stacking and destacking pallets, and spares employees from the unsuitable work of manually lifting heavy pallets.**

PALOMAT® can become a natural part of the work flow, e.g. in production, the warehouse, the packaging department or shops – in short, any place in a business operation where there is a need to stack and destack empty pallets at floor level.

As an innovative manufacturer, we emphasise continuous product development. While we strive to meet market demands on ergonomics, lean processes and good work environments, safety in the use of our product is of the highest importance.



### Your benefits with PALOMAT®

- Space saving and a tidy workplace
- Optimised pallet flow
- Improved work environment
- Reduced pallet costs
- Increased efficiency
- No manual pallet handling
- Less absence due to illness
- Reduced time spent per pallet
- Fewer back injuries, jammed fingers and feet
- Less truck driving
- Leaner – increased efficiency with less resources

Globally, "green" and eco-friendly investments are increasingly gaining attention. It is now a priority for many to reduce and completely eliminate different types of environmental impact.

We fully support this "green" movement. This is why a large part of our range is 100% AC operated. All you need is a standard 230 V outlet and you can instantly switch to more efficient and user-friendly pallet handling. It is as easy as "plug in and play".

The PALOMAT® pallet magazine is a Danish product manufactured in Denmark since 1992.

The PALOMAT® is CE-marked, which is your guarantee for a machine that has been manufactured in conformity with the strict requirements of safety, health and environmental impact.

The PALOMAT® is sold via our dealers present in most European countries, the USA and Australia.

## **PALOMAT** PALOMAT® Greenline

Fully automatic stacking and destacking.



The PALOMAT® Greenline is completely AC operated.

Choose a PALOMAT® Greenline if you plan to both stack and destack single pallets and wish to use only electricity as the power source. The PALOMAT® Greenline is also available for handling pallets in cold rooms with temperatures as low as -25°C / -13°F.

You can place it anywhere where an AC 230V outlet is available. This will immediately give you efficient and more flexible pallet handling – if your pallet flow changes, then it is easy to reposition the PALOMAT® Greenline to a new location.

Pallets can be inserted and picked up using a hand pallet truck, electric stacker or a full-size forklift truck. All pallets are handled at floor level.

## **PALOMAT** PALOMAT® Flexomatic

Fully automatic stacking and destacking.



The PALOMAT® Flexomatic operates on compressed air and requires electricity for control of the machine.

Choose a PALOMAT® Flexomatic if you plan to both stack and destack single pallets and wish to use compressed air + electricity as the power source.

Pallets can be inserted and picked up using a hand pallet truck, electric stacker or a full-size forklift truck. All pallets are handled at floor level.

## **PALOMAT** PALOMAT® 5

Semi-automatic stacking and destacking.



The PALOMAT® 5 is completely AC operated.

Choose a PALOMAT® 5, if you plan to both stack and destack more than one pallet at a time – up to 5 together and wish to use only electricity as the power source. The PALOMAT® 5 is also available for handling pallets in cold rooms with temperatures as low as -25°C / -13°F.

You can place it anywhere where an AC 230V outlet is available. This will immediately give you efficient and more flexible pallet handling – if your pallet flow changes, then it is easy to reposition the PALOMAT® to a new location.

Pallets can be inserted and picked up using a hand pallet truck, electric stacker or a full-size forklift truck. All pallets are handled at floor level.

## **PALOMAT** PALOMAT® Adjustable

Fully automatic stacking and destacking.



The PALOMAT® Adjustable operates on compressed air and requires electricity for control of the machine.

Choose a PALOMAT® Adjustable if you plan to both stack and destack two different pallet sizes in the same magazine – one pallet size at a time.

With PALOMAT® Adjustable, you can handle 1,200x800mm and 1,200x1,000mm pallets in one and same magazine. The shift between the two pallet sizes takes approximately 5 seconds – a light press on a button plus a manual push or pull in the pallet magazine's left side, which will afterwards adjust.

Pallets can be inserted and picked up using a hand pallet truck, electric stacker or a full-size forklift truck. All pallets are handled at floor level.

## **PALOMAT** PALOMAT® ½ Pallets

Fully automatic stacking and destacking.



PALOMAT® ½ Pallets is offered both as a Greenline (AC operated) and a Flexomatic (air + AC operated) version.

Choose a PALOMAT® ½ Pallets if you plan to both stack and destack single ½ pallets. A Greenline version for handling pallets in cold rooms with temperatures as low as -25°C / -13°F.

Pallets can be inserted and picked up using a hand pallet truck, electric stacker or a full-size forklift truck. All pallets are handled at floor level.

## **PALOMAT** PALOMAT® Double Up

Semi-automatic stacking and destacking.



The PALOMAT® Double Up is completely AC operated.

Choose a PALOMAT® Double Up, if you plan to both stack and destack 1+1 pallets together in a line and wish to use only electricity as the power source. The PALOMAT® Double Up is also available for handling pallets in cold rooms with temperatures as low as -25°C / -13°F.

You can place it anywhere where an AC 230V outlet is available. This will immediately give you efficient and more flexible pallet handling – if your pallet flow changes, then it is easy to reposition the PALOMAT® to a new location.

Pallets can be inserted and picked up using a hand pallet truck, electric stacker or a full-size forklift truck. All pallets are handled at floor level.

**PALOMAT** Get a PALOMAT® for testing

- and experience the numerous benefits.



- The PALOMAT® stacks and destacks empty pallets one at a time. All pallets are handled at floor level.
- The PALOMAT® automatically lifts/lowers the entire pallet stack to easily allow you to insert a new pallet at floor level using e.g. a hand pallet truck. A touch panel is used to operate the machine.
- It is possible to insert a complete stack of pallets (15 or 25 pallets) or take out a complete stack from the PALOMAT® – without using a truck.

A Tidier Work Place ● Improved Work Environment ● Increased Earnings



- Vacuum Systems
- Lifting Trolleys
- Industrial Manipulators
- Air Skates