

## **Ferroplan Pallet Master range:**

Ferroplan pallet dispensers are a key element for improving working conditions in the warehouse

Stacking- and destacking of pallets with a FERROPLAN pallet dispenser:

- No more ergonomic problems with pallet handling
- Destack pallets from pallet dispenser or stack pallet into the pallet dispenser.
- Avoid accidents caused by manual pallet handling
- Reduce the risk of sick leaves due to back injuries
- Increase productivity – avoid manual handling.
- Reduce the number of damaged pallets, increase the life time of your pallets.
- Reduce the area for stocking pallets in the warehouse.
- Handle pallets ergonomic correctly.
- No physical contact between the pallet and operator (hygienic)



**OPERATION:**

**Automatic mode** used cases where the dispenser is working as a storage for pallets :

Included in pneumatic and electric versions.

Pallets are on the floor.

New pallet can be fed into the front sensors of the machine. Machine lifts the pallets up automatically and it lowers the stacks once the hand pallet truck has been removed. New pallet can be fed in or a pallet can be removed simply by sliding the empty hand pallet truck underneath the pallets. The machine doses one pallet to be removed automatically. Once the pallet has been removed the machine lowers the remaining stack onto the floor again automatically.

Automatic stacking and destacking work fully automatically and there is no need for touching the interface during the traditional mixed usage.

In addition the electric version includes 2 additional operating modes:

**Stacking:**

The operator slides a pallet in the opening under the pallets in the pallet dispenser. When the forklift is removed, the pallet dispenser will automatically stack the pallets and elevates the pallets, allowing the next pallet to enter.

**Destacking:**

The dispenser doses one pallet to the floor and raises remaining pallets up. Once the dosed pallet has been taken away the dispenser doses next pallet to the floor automatically.

NOTE: all Ferroplan products without safety extension can be adjusted to handle either 800x1200 mm or 1000x1200 mm pallets except the model LP14 E ½ for 600x800 mm pallets. In case the machine is equipped with the safety extension walls the back plates must be replaced.

Standard features in all machines:

Operating panel is mounted to the front side to ensure full information to the operator on the first sight.

Panel and switches are immersed inside the frame to avoid damages.

Lockable main switch at the back right hand corner with 3,5 m long cable.



## Pneumatic machines



### **FERROPLAN pneumatic dispenser**

Capacity: 15 pallets / 500 kg  
Pneumatic (6 bar) operated – requires 230V 50Hz, 10A

Functions: : Automatic stacking/destacking of 1 pallet at the time as well as emptying/filling the whole stack

Incl. bolts for fastening to the floor, wooden pallet for transport.

Extra accessory:

- Safety wall extension
- Overfill sensor for safety wall
- Forklift protection barrier

| Model           | Pallet size   | Capacity          | Pallet dispenser measurements |
|-----------------|---------------|-------------------|-------------------------------|
| Ferroplan LP14E | 1.200 x 800   | 15 pallets 500 kg | 1.500 x 1.400 x 1.020 mm      |
| Ferroplan LP14F | 1.200 x 1.000 | 15 pallets 500 kg | 1.500 x 1.600 x 1.020 mm      |



### **FERROPLAN pneumatic dispenser**

Capacity: 15 pallets / 500 kg  
Pneumatic (6 bar) operated – requires 230V 50Hz, 10A

Functions: : Automatic stacking/destacking of 1 pallet of the time as well as emptying/filling the whole stack

Incl. bolts for fastening to the floor, safety wall extension, wooden pallet for transport.

Extra accessory:

- Overfill sensor for safety wall
- Forklift protection barrier

|                     |               |                   |                         |
|---------------------|---------------|-------------------|-------------------------|
| Ferroplan LP14E T14 | 1.200 x 800   | 15 pallets 500 kg | 1.500 x 1.400 x 2430 mm |
| Ferroplan LP14F T14 | 1.200 x 1.000 | 15 pallets 500 kg | 1.500 x 1.600 x 2430 mm |



### **FERROPLAN pneumatic dispenser**

Capacity: 25 pallets / 1.000 kg  
Pneumatic (6 bar) operated – requires 230V 50Hz, 10A

Functions: Automatic stacking/destacking of 1 pallet at the time as well as emptying/filling the whole stack


Incl. bolts for fastening to the floor, safety extension walls, overfilling sensor and safety gate sensor, wooden pallet for transport (upper part of the safety wall extension demounted for transportation).


Extra accessory:

- Forklift protection barrier

|                     |               |                     |                          |
|---------------------|---------------|---------------------|--------------------------|
| Ferroplan LP25E T25 | 1.200 x 800   | 25 pallets 1.000 kg | 1.500 x 1.400 x 3.830 mm |
| Ferroplan LP25F T25 | 1.200 x 1.000 | 25 pallets 1.000 kg | 1.500 x 1.600 x 3.830 mm |

## Electric machines

|   |               |                   |                               |
|--|---------------|-------------------|-------------------------------|
| <b><u>FERROPLAN fully electric pallet dispensers</u></b><br><br>Capacity: 15 pallets / 500 kg<br>Power – 230 V 50 Hz, 10 A<br>Power consumption: 500 W<br><br>Functions: <ul style="list-style-type: none"> <li>- Automatic stacking/destacking</li> <li>- Stacking : always a slot for new pallet</li> <li>- Destacking: always a pallet dispensed for pick up</li> <li>- Load or unload a full stack of pallets in one operation</li> </ul><br>Incl. bolts for fastening to the floor, wooden pallet for transport. Standard painting RAL 7024/3020<br><br>Extra accessory: <ul style="list-style-type: none"> <li>- Safety wall extension</li> <li>- Overfill sensor to safety wall</li> <li>- Forklift protection barrier</li> </ul> |               |                   |                               |
| Model  | Pallet size   | Capacity          | Pallet dispenser measurements |
| Ferroplan LP14E EL   | 1.200 x 800   | 15 pallets 500 kg | 1.500 x 1.400 x 1.020 mm      |
| Ferroplan LP14F EL   | 1.200 x 1.000 | 15 pallets 500 kg | 1.500 x 1.600 x 1.020 mm      |

|    |               |                   |                               |
|---|---------------|-------------------|-------------------------------|
| <b><u>FERROPLAN fully electric pallet dispensers</u></b><br><br>Capacity: 15 pallets / 500 kg or 25 pallets / 1000 kg<br>Power – 230 V 50 Hz, 10 A<br>Power consumption: 500 W<br><br>Functions: <ul style="list-style-type: none"> <li>- Automatic stacking/destacking</li> <li>- Stacking : always a slot for new pallet</li> <li>- Destacking: always a pallet dispensed for pick up</li> <li>- Load or unload a full stack of pallets in one operation</li> </ul><br>Incl. bolts for fastening to the floor, safety wall extension, wooden pallet for transport.<br>Safety extension walls, overfilling sensor and safety gate sensor in LP25 model.<br><br>Extra accessory: <ul style="list-style-type: none"> <li>- Overfill sensor to safety wall extension LP14</li> <li>- Forklift protection barrier</li> </ul> |               |                   |                               |
| Model   | Pallet size   | Capacity          | Pallet dispenser measurements |
| Ferroplan LP14E ELT   | 1.200 x 800   | 15 pallets 500 kg | 1.500 x 1.400 x 2.430 mm      |
| Ferroplan LP14F ELT   | 1.200 x 1.000 | 15 pallets 500 kg | 1.500 x 1.600 x 2.430 mm      |
| Ferroplan LP25E ELT   | 1.200 x 800   | 25 pallets 800 kg | 1.500 x 1.600 x 3.830 mm      |
| Ferroplan LP25F ELT   | 1.200 x 1.000 | 25 pallets 800 kg | 1.500 x 1.600 x 3.830 mm      |




**FERROPLAN fully electric pallet dispenser LP 1-5**

Capacity: 15 pallets / 500 kg or 25 pallets / 800 kg

Power – 230 V 50 Hz, 10 A

Power consumption: 1000 W

Functions:

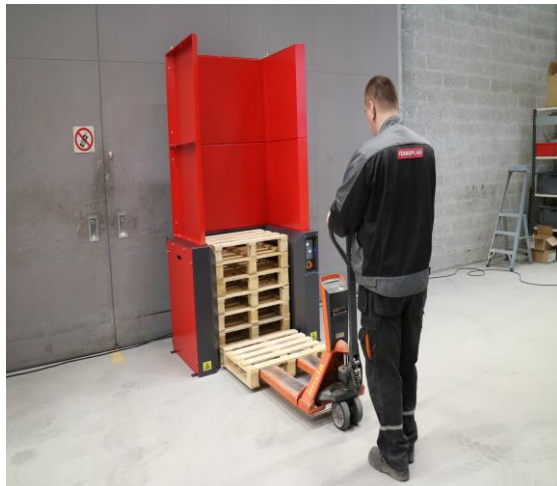
- Automatic stacking/destacking
- Stacking : always a slot for new pallets
- Destacking: selected quantity of pallets dispensed for pick up
- Load or unload a full stack of pallets in one operation
- safety wall extension in 25 models included

Incl. bolts for fastening to the floor, wooden pallet for transport, overfill sensor.

Extra accessory:

- Forklift protection barrier

| Model               | Pallet size   | Capacity          | Pallet dispenser measurements |
|---------------------|---------------|-------------------|-------------------------------|
| Ferroplan LP14E 1-5 | 1.200 x 800   | 15 pallets 500 kg | 1.350 x 1.400 x 2.150 mm      |
| Ferroplan LP14F 1-5 | 1.200 x 1.000 | 15 pallets 500 kg | 1.550 x 1.400 x 2.150 mm      |
| Ferroplan LP25E 1-5 | 1.200 x 800   | 25 pallets 800 kg | 1.350 x 1.400 x 3.650 mm      |
| Ferroplan LP25F 1-5 | 1.200 x 1.000 | 25 pallets 800 kg | 1.550 x 1.400 x 3.650 mm      |


**FERROPLAN fully electric dispenser for 1/2 pallets**

Capacity: 15 pallets / 500 kg

Power – 230 V 50 Hz, 10 A








Power consumption: 500 W

Functions:

- Automatic stacking/destacking
- Stacking : always a slot for new pallet
- Destacking: always a pallet dispensed for pick up
- Load or unload a full stack of pallets in one operation

Incl. bolts for fastening to the floor, safety extension with overfill sensor, wooden pallet for transport.

| Model                 | Pallet size | Capacity          | Pallet dispenser measurements |
|-----------------------|-------------|-------------------|-------------------------------|
| Ferroplan LP14 EL 1/2 | 600 x 800   | 15 pallets 300 kg | 1.150 x 1.350 x 2.350 mm      |

|   |  |
|---|--|
|    | <p>Forklift protection barrier. 1 set incl. bolts.</p>   |
|    | <p>Overfilling sensor for LP14 units fitted onto the safety wall extension</p>   |
|    | <p>Cold temperature package for installation into the cold warehouses or loading platforms etc. down to -25°C.<br/>Available for electric machines.<br/>Includes heating element and thermostat inside the electric cabinet.</p> |
| <br><br> | <p>Standard paintings for side panels and safety extension are RAL 3020 and 7035. Basic machine is as standard RAL 7024.</p> <p>Other standard RAL-colours also available.</p>   |
|    | <p>Galvanised or stainless-steel versions also available.</p> <p>Ask the quotation separately</p>  |
|    | <p>Floor mounted stopper plates for handling CHEP-pallets.</p>   |

Models for system integrators are also available



Machines are CE-marked.  
Warranty 12 months.  
Made in Finland.