

IMPROVE PRODUCTIVITY AND THE WORKING ENVIRONMENT WITH THE FLEXIBLE AND COMPACT PALLETISING ROBOT



**Are You still stacking your
buckets manually?**

Invest in an automated palletising
solution, which will pay for itself within
16 months running just eight hours a
day.

See it in action at www.socosystem.com

**SOCO
SYSTEM**

WWW.SOCOSYSTEM.COM

COMPACT, ECONOMIC, AND USER-FRIENDLY PALLETISING ROBOT

The SOCO SYSTEM palletising robot streamlines production, eliminates strenuous tasks and is extremely cost-effective.



Handle orientation system with vision control ensures that all handles turn correctly according to the pallet pattern.

The palletising robot does not require pallet conveyors, the pallet can be placed on the floor. The only condition is that it is completely level.

Safety light barriers ensure safety.

Magazine for layer pads can be chosen as a part of the extensive range of extra accessories available for the palletising robot.

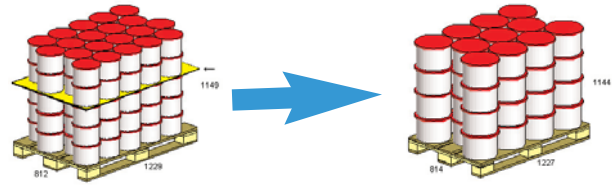
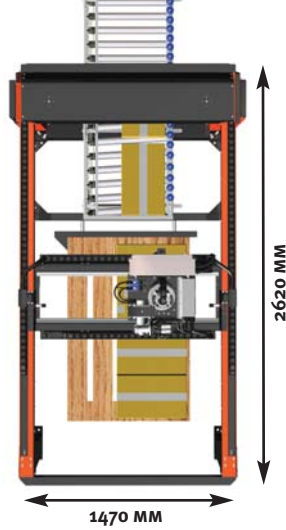
Plug and play

The robot is quick and easy to install in your existing production environment.

It is tested before delivery using your products and pallet patterns.

It does not take up much floor space

The illustration to the right shows a standard version of the robot for pallet size 800 mm x 1200 mm.



Change pallet pattern in 30 seconds

If the pallet pattern is already in the IPC, it takes no more than 30 seconds to change to a new programme.

New pallet patterns generated using optimisation software such as CAPEPACK® can be transferred online or via disk.

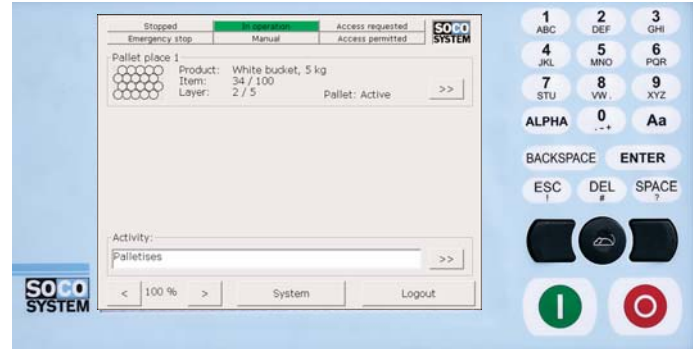


The control panel is located in one of the pillars of the robot.



2 x 5 kg, 1 x 15 kg or?

The robot is delivered with vacuum heads tailored for the customer's products. It can lift one or more buckets at a time depending on pallet pattern.



Touch and go

The palletising robot is extremely simple to operate.

The software is Windows-based, and the IPC can be used to control any peripheral equipment such as pallet conveyors, pallet magazines, etc.

Safe to operate, simple and versatile

The machine requires minimal maintenance and is easy to access.

It is equipped with safety

fencing that meets CE requirements.

Stainless steel for wet environments

The robot can be supplied wholly or partially in stainless steel.

The robot has powder coated finish in colours RAL2002 and RAL9005 as standard. Special colours are available for an additional charge.

GENERAL SPECIFICATIONS

Axes

The three fundamental axes (x, y, z) and rotation of the robot head.

Maximum item weight

The maximum item weight is dependent on the item type and quality, the lifting technique used, speed, etc. The maximum item weight is typically around 30 kg.

Capacity

Up to ten transfers a minute. The robot can transfer one, two or more items

simultaneously depending on the pallet pattern, the size, weight and quality of the items as well as the type and size of the vacuum head used.

Pallet types

Standard:
800 mm x 1200 mm
1000 mm x 1200 mm
1200 mm x 1200 mm
and any variation in between these sizes.

Prepared for the future

The palletising robot can be extended with various conveyor and functional modules.

1. Standard version, with manual pallet handling.



1

2. Robot extended with two-part powered pallet roller conveyors designed for manual lifting trucks. Empty pallets are placed on the left-hand side and conveyed for collection on the right-hand side.



2

3. Robot extended with an empty pallet magazine and powered pallet roller conveyors designed for manual lifting trucks and truck pallet handling.



3

4. Fully automatic palletising system with pallet magazine, pallet roller conveyors and stretch-wrapping machine.

All modules are available in right or left versions to suit your specific requirements.

All modules are part of the SOCO SYSTEM product range.



4

The pictures illustrate systems without safety fence.

Your SOCO SYSTEM dealer:



Geberit AG,
Switzerland



Sig. Ágústsson ehf.,
Iceland



Laru,
Germany



Toms Chokolade A/S,
Denmark



Rioja Alta S.A.,
Spain



Bouché Père & Fils,
France



United Milk plc,
United Kingdom



Altmark Käserei,
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