

Affordable Palletising Systems



CPS Palletising Systems are designed and manufactured in the UK by a long established engineering company with a highly successful track record within automation.



The Palletisers are designed to provide an easy to use, compact, automatic palletising system that allows automatic palletising of around 10-12 picks per minute.

Above all, without compromising the build quality, the machines are designed so that they can be manufactured and installed at a cost which is justifiable within an 18/24 month payback period.

This makes CPS Palletising Systems probably the most cost effective automated palletising system in the marketplace.



Simple Touch Screen Control

The set up controls are **intuitive and very easy to use.**

Using a touch screen, the prompts are simple...

- Input size of pack: width, length and height
- Input size of pallet: width, length and height
- Palletiser calculates best stack pattern
- Press go

Option: Operators can input their own stack patterns easily with no programming skills required. So in "teach mode" a new stack pattern can be input, by an operator with simple step by step instructions, with prompts from the touch screen.



Highly adjustable Infeed conveyor

To ensure the palletiser **integrates easily with any production line**, the machine is supplied with its own **powered infeed conveyor, which can be adjusted to match the working height of any existing conveyor system.**

The packs are driven down to the end of the infeed conveyor, automatically sensed, and pushed to an exact datum point for pick up.



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Grippers to suit any application

The standard gripper can deal with almost any common box-type packs, The vacuum head is zoned and each cup has its own vacuum generator, therefore, if any one cup loses its hold, the other cups are not compromised. The gripper head can also rotate the pack 90-degrees, allowing pallet stack patterns to be easily and quickly achieved. **CPS's background in robot gripper tooling, also allows bespoke grippers to be offered, so whatever your pack, we can offer a picking tool that will suit any application.**

Quick Pallet loading

The CPS palletiser has no interlocked doors, but instead is protected by light curtain sensors.

This allows the operator to enter the palletiser safely, and quickly. Swapping the pallets is as simple as pushing the empty pallet up towards two robust datum blocks, sensors fitted inside the machine check that the new pallet is in position, before commencing with the stacking.

Robust Construction

The build quality of the CPS frame is very robust. The fabricated construction, is such that the palletiser can withstand the side loads associated with repetitive high speed actuations. The machine is rated to move packs weighing up to 30 kgs. As these heavier packs are moved around and stopped, the rigid construction of the frame does not flex.



CPS linear carriage system & servo drives

The CPS purpose built carriage system, allows movement in the X and Y directions. This ensures both speed and durability. The CPS linear rail system is uniquely light in weight, heavy duty, precise and simple.

The servo system allows quick positioning, which can be controlled with ramp-up and ramp-down features. These same features also ensure that packs which are held by the gripper are not shaken about, and that more delicate packs are safely placed.



Manufactured in the UK

All CPS Palletising Systems are designed, manufactured and assembled in the UK. All spare parts are readily available, either from CPS directly, or from standard supplier networks, like RS Components or Scattergood and Johnson. The design of the palletiser is such that with limited engineering experience and basic tools, the whole machine could be stripped down and rebuilt very quickly and easily.

Distributor



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