



ROBOSAC P4

CARTESIAN GANTRY PALLETIZER

INSTALLATIONS



Flour



Flour



Premixes



taropak

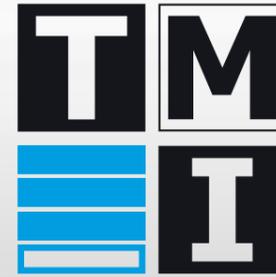
awarded as a BEST PRODUCT
in MTP Gold Medal 2010



Seeds



Seeds



bagging & palletizing

ROBOSAC P4



CARTESIAN GANTRY
PALLETIZER

www.tmipal.com

whole bagging lines
own design and manufacturing



Técnicas Mecánicas Ilerdenses, S.L.
Pol. Ind. El Camí dels Freres c/Alcarràs, parc. 66, 25190 Lleida SPAIN Tel/ +34 973 257 098 Fax/ +34 973 257 045
info@tmipal.com www.tmipal.com



ROBOSAC P4

CARTESIAN GANTRY PALLETIZER

ROBOSAC P4 allows the customer palletizing a wide range of products in several formats. Its design allows configuration of solution from the most basic one – pallet on the floor – up to a fully automatic palletizing line. It stands out with **compact design, optimization of occupied spaces and quick return of investment**. Accurate, silent, heavy-duty, maintenance-free, it is conceived for long life run into industrial environments.

Appropriate for those industries requiring low investment, reliability, working quality and easy handling. Output capacities are up to **400 bags per hour**.

CHARACTERISTICS

It works by means of 4 axes equipped with motion positioning by means of numerical control (CNC) which provides the highest accuracy in placing, and smoother operation with no any sudden start and stop.

Bags are discharged through a double-synchronized mechanism grip. It incorporates fingers that treat bag carefully and avoids de-shaping, and side guides that control bag dropping. It allows bags overlapped each other. Grip is designed according to the bag and pattern type. Its versatile system is capable to handle different packages and solve palletizing applications such as bags, boxes, drums, paper sheets between layers, etc.

Its major advantage is the optimization of occupied spaces. It allows its placing in reduced sites.

The communication between man-machine – HMI - is easy and intuitive. All operator machine communication is by means of the touch screen.

OPTIONS

ROBOSAC P4 modular design allows adapt itself to every customer needs. It can be supplied as a basic configuration or equipped with optional elements, such as empty pallet dispenser, roller conveyors, etc, which permit future automation of the producing line.

If client requires it, equipment could be supplied to work in ATEX classified areas.

Telescopic supporting and translation arm permits its placing in sites with reduced height.

Modules for placing paper sheets in between layers are also available.



DETAILS



Bag flattener by motorized belt



Bag conditioning by squared and idle rollers



Bag conditioning by top flattening and vibrating



Carton sheet magazine



Automatic pallet dispenser



Carton sheet dispenser



PE sheet dispenser



Versatile grips for bags and carton sheets



Bags handling grip



Roller conveyor for bags delivery



Grips for cases



Palletizing on floor



Full automatic line