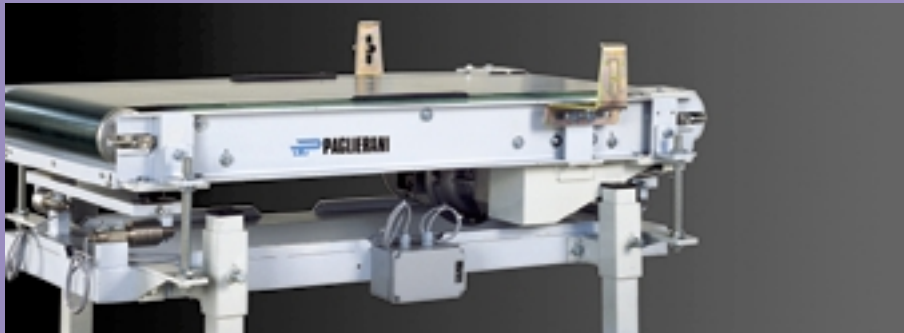
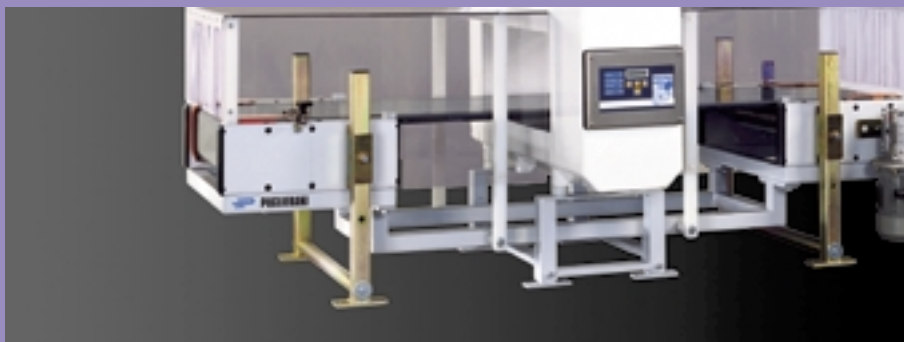


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IN-LINE QUALITY CONTROL SYSTEM



 **PAGLIERANI**

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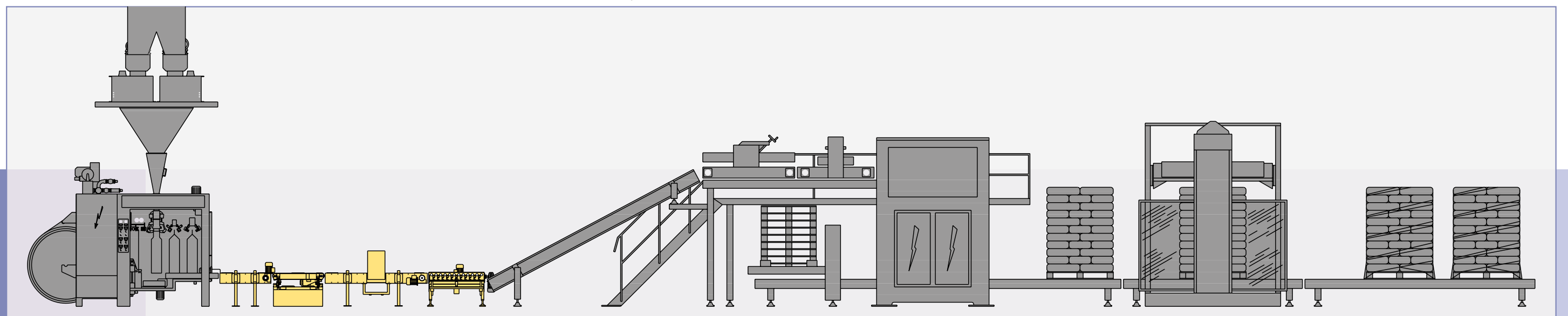
In-Line Quality Control System: automatic, constant, assured control of all production process stages.

APPLICATION

This system is specially designed to carry out meticulous quality control and assure uniform output. It guarantees the absence of metallic foreign bodies (magnetic and non-magnetic) inside bags (rejecting those which do not conform). What's more, it allows weighing operations to be performed with top precision, and provides direct generation of production reports.

INSTALLATION

There are no installation problems. The system is located in-line, downstream of the bagging system.



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Metal detector

SENSITIVITY TABLE				
Passage height	Passage width			
	600	650	700	
	Ø 1,7 Ø 1,8 Ø 2,6	Ø 1,8 Ø 2,1 Ø 2,8	Ø 1,9 Ø 2,2 Ø 3	
	Ø 2 Ø 2,2 Ø 3	Ø 2,1 Ø 2,3 Ø 3,1	Ø 2,2 Ø 2,5 Ø 3,2	
350	Ø 2,1 Ø 2,3 Ø 3,2	Ø 2,2 Ø 2,4 Ø 3,4	Ø 2,3 Ø 2,6 Ø 3,6	

■ ferrous
■ non-magnetic
■ stainless steel

The values refer to the minimum diameter in mm of foreign bodies detected. They are guideline, since the metal detector's sensitivity is closely dependent on the physical characteristics of the product, such as humidity and weight.

MAIN COMPONENT PARTS

- Motor-driven conveyor belt, specially designed to prevent magnetic interference with the detector coil (conveyor minimum length 2 m, depending on the bag passage opening);
- transparent plastic guard to prevent foreign bodies from depositing on the control system, triggering false positives;
- detector coil;
- digital electronic control incorporated in the detector coil structure;
- standard passage opening 300 (h) x 700 (w) mm (larger or smaller sizes available);
- RS 232 serial interface (optional RS 422 or RS 485).



GENERAL CHARACTERISTICS

- Automatic **self-calibration** function, with cyclic programming from keyboard;
- reading range adjustment;
- **automatic compensation** of sensitivity level in response to percentage variations in product humidity;
- **events log** with display on local control panel (or transfer by serial line) featuring:
 - current date · last reset date · total bags checked · total reject bags · total OK bags;
- **IP 55** protection (optional **IP 65**);
- construction in **AISI 304 stainless steel** as optional;
- visual and acoustic alarm for non-conforming bags;
- remote connection for **bag rejecter**.



Weight monitor

CP 812

This application is able to provide an impressive degree of precision in weight control procedures (+/- 0.1% on full scale).

MAIN COMPONENT PARTS

- Conveyor belt driven by geared motor;
- VSDS (speed variator) electronic system for synchronisation of output rate with weight monitoring system;
- weight monitoring system with four load cells;
- visual and acoustic alarm for non-conforming bags;
- remote connection for bag rejecter.

OPERATOR PANEL

The operator panel is equipped with alphanumeric display and keyboard for setting the working parameters. It allows memorisation of **nine different sizes** and the real-time availability of information such as:

- hourly output (bags/hour) · bag counter (incremental) · average weight
- list of the last thirty weight measurements · total number of OK bags
- total number of -- bags (for rejection) · total number of ++ bags (for rejection)
- total number of - bags (falling weight trend) · total number of + bags (rising weight trend).

The optional printer is able to provide:

- date and time · average weight · output b/h · number of bags · list of last 20 bags.

RS 232 serial output (optional).



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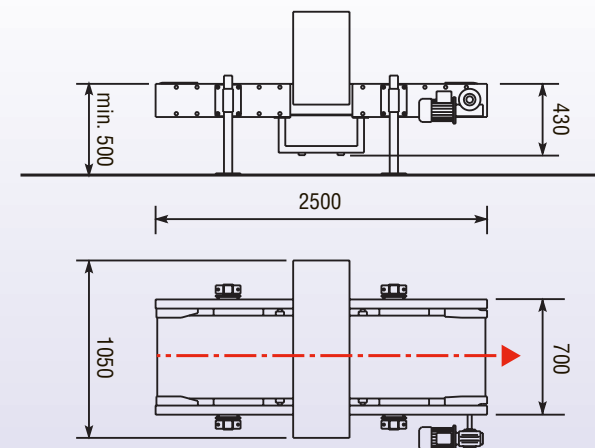
Bag rejecter

MAIN COMPONENT PARTS

- Motor-driven roller conveyor for bag transfer;
- motor-driven belt bag diverter device, with pneumatically powered upward and downward movement;
- optional idle-roller collection roller way, for reject bags;
- photocell control of bag flow;
- integration with upstream equipment (weight monitor and/or metal detector).



MD 2002 Metal detector



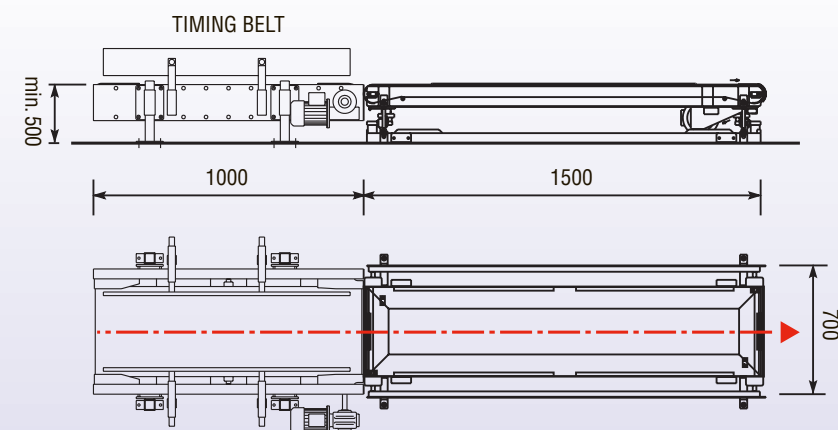
Dimensions in mm

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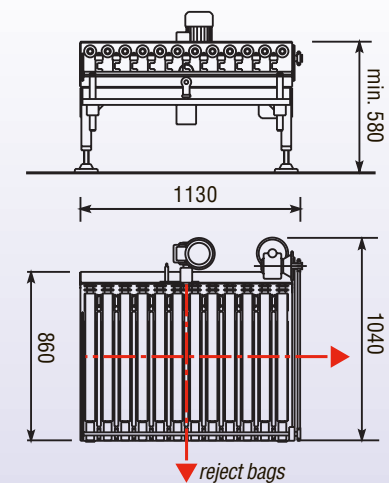
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CP 812 Weight monitor



Dimensions in mm

RJCT 368/10 Bag rejecter



Dimensions in mm