



CHECKWEIGHING

METAL DETECTION

SPECIAL SYSTEMS

PCL MACHINERY

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## PCL METAL DETECTION SYSTEMS

PCL provide a complete range of new conveyor based metal detection systems in conjunction with Fortress Technology.

Units can be designed for use in any production line from confectionery through to frozen food and the even more arduous conditions met in the fish, poultry and meat industries.

Fortress controls are designed for simplicity of operation and maintenance and PCL's attention to detail, quality and after sales support means everything operates together to provide peace of mind and 100% product inspection at a realistic cost.



### EFFECTIVE TECHNOLOGY AND FAILSAFE REJECTION

Effective metal detection requires high sensitivity and positive rejection to ensure contaminated product does not reach the consumer. The Fortress head has product tracking to enhance the detection when the effect changes gradually.

Reject systems are designed to suit the needs of the application and can be supplied with confirmation and bin full systems required by the major retailers.

- **Stainless Steel Finish**
- **Full range of reject and transport options**
- **“Phantom” or “Stealth” specification available**
- **Heads protected to IP69**
- **High performance**
- **HACCP and data output options**
- **Dual Frequency Option**

*An Integrated approach to Inspection Technology*



# PCL METAL DETECTION SYSTEMS

## Electronic & Control

### Standard

- Menu set-up with multiple product memories
- Auto Product effect compensation
- Sealed keypad with backlit display
- Shift register reject outputs
- Diagnostics, faults and detection logs
- Password Protection
- Multiple Product Memory
- Product Tracking
- Data output
- Remote set-up capability

### Options

#### Checkweigher Combination

Heads are available with PCL checkweighers to provide a powerful integrated inspection system.

#### Reject Control

plc controlled reject confirmation and bin-full warning system to comply with all major retailers' quality specification.

### OTHER DETECTION SYSTEMS

Larger heads are available for meat block and other packaging applications, as are Pipeline and freefall systems.

## Mechanical Handling & Transport

### Standard

- PVC Food quality belt
- Stop on Detect reject system with audible alarm and beacon
- Line height 800 to 950 with +/-50mm adjustment

### Options Transport

- Inclined conveyor for snack food applications
- Modular belting for meat and heavy washdown applications
- Adjustable guide rails
- Full length acrylic guard cover
- Special Line heights and head mountings

### Reject Systems

- Pusher or Sweep arm
- Retracting Band system
- Special reject handling and conveyor system
- Lockable reject bin and hood

### SENSITIVITY

Detection performance depends on product type, temperature, packaging, type of contamination etc. PCL will be pleased to carry out tests on your products and provide a realistic evaluation of actual performance.



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