



ON-LINE PLASTIC PELLETS INSPECTION

Cost-effective solutions for inspecting each pellet produced

Inspec.tech offers an innovative solution for on-line inspection of plastic pellets using the latest machine vision technologies and specialized lighting solutions.

The Plastic Pellets Inspection system's simple mechanical design engineered for easy integration in to existing production lines, providing a comprehensive inspection solution for the entire production stream, throughput optimization and quality assurance.

The basic system supports throughput of up to 1,000 kg/hr. (2,200 lbs./hr.) using a single camera with scalable design to support increased capacity and/or resolution.

This turn-key solution to all of your pellets inspection challenges includes installation, startup and comprehensive training and support for your operators and maintenance personnel.



inspect.tech



Detection Capabilities

- Detection of impurities in the material
- Pellets external contour analysis – detection of “tails” caused by improper cutting
- Monitoring grain size – median grain size variation and detection of off-spec pellets
- Color variation detection (color camera system only)

Unique Design

- Simple mechanical structure
- No motors/ belts/ vibrators
- Easy cleaning and maintenance for fast product change-overs
- Easy recipe development and editing
- User friendly yet sophisticated Windows-based interface

Specifications

Line capacity	1,000 Kg/hr. / 2,200 lbs/hr.	With a single camera
	Unlimited	With multiple cameras
Inspection resolution	30-170 microns/pixel / 1.2-6.7 mil/pixel	
Illumination systems		Transmitted and reflected
Production flow sorting		Batch Sorting using external diverter valve
Individual grains sorting		Optional air blow nozzles unit

Advantages

- Higher and more consistent pellet quality
- Decreased in-house waste
- Objective quality standards for reduced customer complaints and returns