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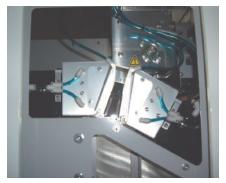
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High-precision odd-color ejector machine featuring high-resolution cameras and LED lights formed in the shape of dome

Pellet screening

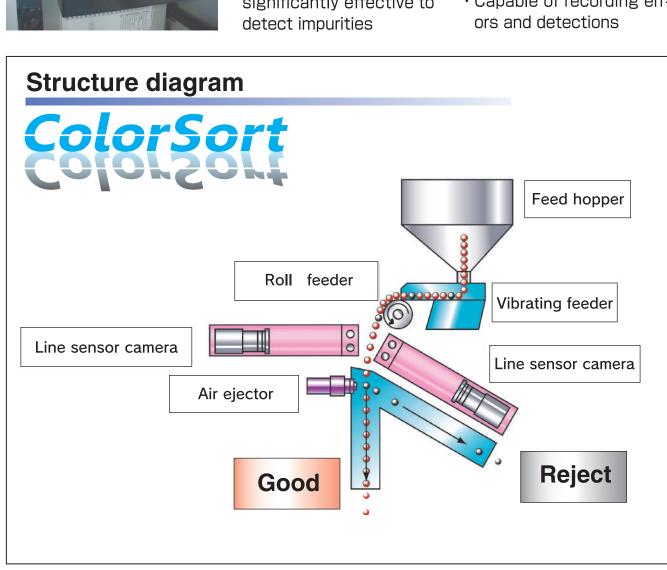


- Highly precise screening achieved by high-resolution cameras
- Compressed air cleaning nozzle built in standard
- As many as 20 units of highly responsive and durable air ejector valves installed to consistently detect and remove impurities
- LED lights formed in the shape of dome making it significantly effective to detect impurities

Operation panel



- Color touch panel making it easier to view and control
- Memory function providing 40 different screening conditions
- · Capable of recording errors and detections



ColorSort



TS-1850

Quality and reliability improved to remove impure PET flakes and crushed materials!



TS-7400L

LEDs adopted for energy saving, long life span and eco friendliness



TS-7400T

Perfect for screening 100% clear plastic pellets!

Full lineup of Tecman odd-color ejector machines



TS-7400TH

Exclusively designed for clear pellets through the evolution of illumination optical system



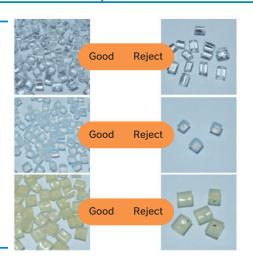
TS-7500C

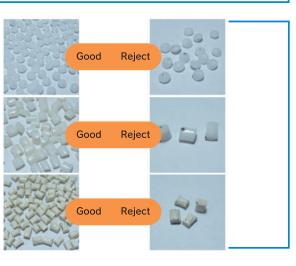
Full-color cameras making it ideal for a wide variety of colored pellets

Screening matrix										
Color		Light (Whites, natural colors)		Clear		Dark (Red,blue,etc.)				
Impurity		Burn/black spot	Tiny spot	Burn/black spot	Tiny spot	Burn/black spot				
Model	TS-1850	0	×	×	×	×				
	TS-7400L	0	0	Δ	×	×				
	TS-7400T	0	0	0	\triangle	×				
	TS-7400TH	Δ	Δ	0	0	×				
	TS-7500C	0	Δ	Δ	×	0				

 \bigcirc : Able to screen \triangle : Able to partially screen \times : Not able

O. Abie to screen A. Abie to partially screen A. Not able							
Examples of the resin proven to be screened by the machine							
ABS	Acrylonitrile-Butadiene-Styrene ressin						
HDPE	High density polyethylene						
LCP	Liquid Crytal Polymer						
LDPE	Low Density Polyethylene						
PA	Polyamide (Nylon)						
PBT	Polybutylene Terephthalate						
PC	Polycarbonate						
PE	Polyethylene						
PES	Polyester sulfone						
PET	Polyethylene terephthalate						
РОМ	Polyacetal						
PP	PP Polypropylene						
PPS	Polyphenylene sulfide						
TPE	Thermoplastic-Elastomer						





Aligning feeder





- Because a roller is designed to drop pellets straight down, an aligning feeder is affected by negligible friction.
- · Steady pellet screening is achieved because they ar screened as being dropped in the range of low speeds.
- · High-output, high-precision momotor is employed to regulate and align the pellets.

Maintenance



· The cover can be detached with one gentle tug without tools.



· A dust tray is installed underneath each unit to prevent pellets from scattering.



· Chutes for good pellets and rejects can be detached without tools for easy cleaning.

Reject samples





Tiny black spot (0.1mm)



Blended



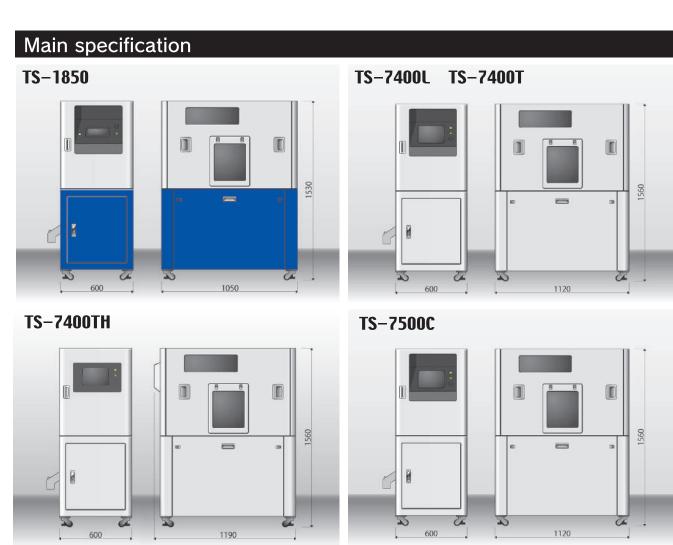
Black spot





Yellow discoloration Black spot in long pellets

Using your samples of good and reject pellets we are ready to run a screening test for you. Also, a witness test can be arranged in order for you to observe our pellet screening capabilities at our site.



TS Color Sort Series Odd-color Ejector Machine



Camera		Monochrome camera		Monochrome camera for clear pellets		Color camera			
Model		TS-1850	TS-7400L	TS-7400T	TS-7400TH	TS-7500C			
Specification	Power supply	Single phase AC200V							
	Unit dimension	600W×1050D×1530H	600W×1120D×1560H		600W×1190D×1560H	600W×1120D×1560H			
	Unit weight	240kg	270kg	275kg		270kg			
	Maximum processing capacity	800kg/h	1,000kg/h						
	Illumination	Twin fluorescent lamp	LED lights formed in the shape of dome						
Camera	Camera	CCD monochrome line sensor cameras				CCD color line sensor cameras			
	Pixel number	1850	7400			7500			
	Minimum resolution	160µm	40 μ m						
	Feed Feeding method	Vibration Feeder							
Feed	Transfer unit	Roll feeder							
	Pellet separation method	Separate by speed difference between feeder and roller							
Eject	Eject Electromagnetic ejector valve	16 in a row	20 in a row						
Feature	Memory	_	40						
	Operation panel	Touch panel LCD Color 4"	Touch panel LCD Color 8.4"						
	Other	_	PC monitor system (option)						

^{*} The maximum processing capacity varies depending on material and shape properties.

