Sorting *Principle of TIPPY*

RGBN
(Real color recognition)

LED
IR LED

foreign material | bad | TIPPY | good

reject | reject | accept

TIPPY Sorting Sample

Material | Reject Box | Middle Box | Good Product
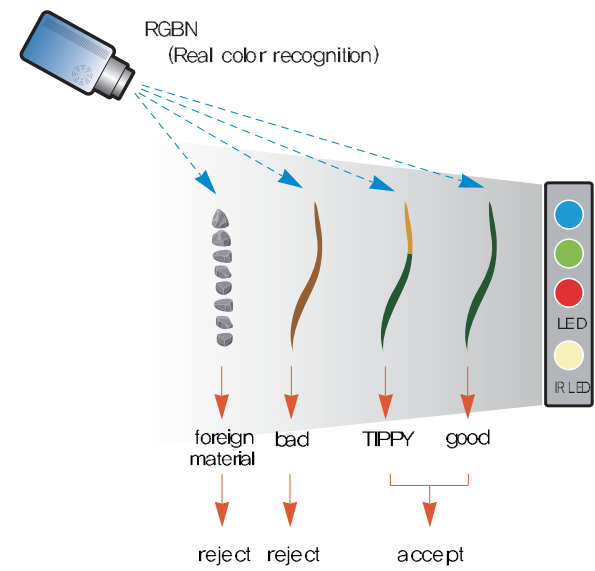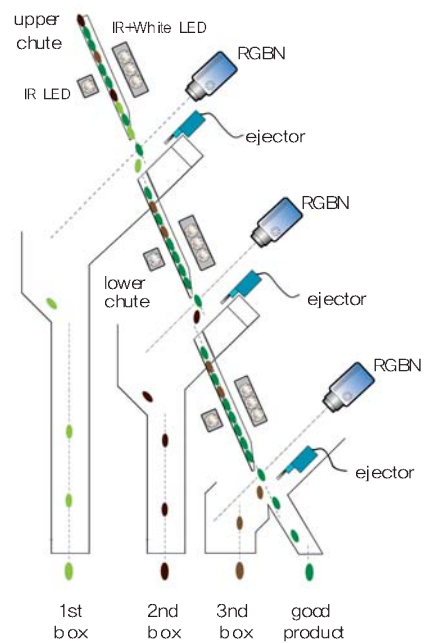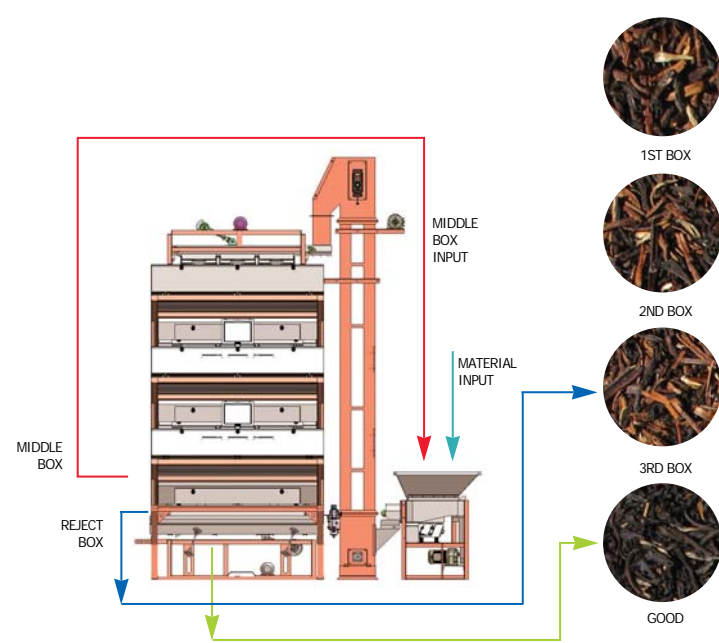
Grade Sorting Sample

Real color recognition makes it work faster and more reliable.

TIPs and bad material have the same color, TIPs & good material can be sorted by RGBN camera to analyse the color wave of the tea.

Sorting *Principle*

upper chute | IR+White LED | RGBN
IR LED
ejector
RGBN
lower chute
ejector
RGBN
ejector

1st box | 2nd box | 3nd box | good product

Sorting *Process*

MIDDLE BOX INPUT
MATERIAL INPUT
MIDDLE BOX
REJECT BOX

1ST BOX
2ND BOX
3RD BOX
GOOD

A combination of the most advanced RGBN and IR LED identifies the widest range of defective teas and impurities. It reduces compressed air consumption per channel up to 30%. The ejectors accurately target and remove defects.

An up-to-date sorter uses RGBN technology combined with fast, precise ejectors to reject as many defective product as possible while minimizing the number of good product blown out of the stream at the same time.

WE'RE ALWAYS LOOKING TO THE
FUTURE & GLOBE

Our commitment to 45-year-old research and development underpins our continuing reputation for innovation and creativity. Innovation and creative are the guiding principles that have been with us from the beginning. Abiding respect for diverse agricultural traditions.

And also a competitive spirit is our principle too. In global agricultural market we will build our future, though the market is so tough.

DAEWONGSI s most efficient Sorter Series

NANTA XPEDIA+ series | SPK+ series | CCS series | NANTA KB+ series

※ DAEWON GSI reserves the right changing equipment circuitry design, specifications, features, external design, dimensions and functions without any prior notice, for promoting the quality of the products. Equipment featured in this publication may vary from that actually delivered. Your authorized DAEWON GSI representative will be glad to provide you with the final sales details and a copy of the terms and conditions of sale.

DAEWON GSI
DAEWON GLOBAL SYSTEM INTEGRATION

#235 Gongdan-Ro, Waegwan-Eup, Chilgok-Gun, Gyeongbuk, R.O.Korea
TEL : 82-54-979-2212   FAX : 82-54-973-2230
E-mail : trade@daewon.com   WEB : www.daewon.com

ISO 9001 | ISO 9001 | New Excellent Product | World Class Product | $50million export tower | Certificate of Europe | KOTRA Seal of Excellence | EAC Mark

Full Color + IR Tea Sorter
NANTA XPEDIA+ SERIES

New extraordinaire color sorter NANTA XPEDIA is specialized in TEA   18 Cameras

COLOR SORTER

NANTA XPEDIA+ SERIES

- 5376 pixel HD True Color (16 million color/24-bit) Japanese CCD sensor with Nikon lens
- 1st pass packing and improved Tippy sorting
- Auto Image Calibration and LED Lightness Control
- Wireless Remote control with Tablet or Smart Phone
- Full power protection

DAEWON GSI
DAEWON GLOBAL SYSTEM INTEGRATION

NANTA XPEDIA+ SERIES

18 Cameras

RGBN

NANTA XPEDIA+ SERIES presents you an excellent TIPPY sorting by full color camera with the latest technology.
You will be satisfied by our new color sorter on a powerful defect detection according to your various circumstances and standards.

COLOR SORTER

NANTA XPEDIA+ SERIES

- • RGBN Camera (true color recognition + visible NIR)
- • LED : Excellent performance for TIPPY sorting
- • Sorting a variety of the material(black tea and green tea)
- • Display the error message automatically
- • Flat type chute : increased capacity (40 - 45%)
- • High efficient vibrator supplies the material steadily
- • Remote control by wireless internet with tablet/mobile device
- • Fast reaction with the best algorithm

NEW TECH RGBN CAMERA

- • Sorting all the defects of tea.
- • Sorting foreign material difficult to separate such as INSECT, SMALL SPOT, STONE, VINYLE, GLASS, etc.

ANDROID SYSTEM

- • Touch Panel, Rapid & smooth control.
- • UI update by internet.
- • Simple UI design.

HIGH LUMINANT LED

- • High luminant LED module with 30% of enhanced intensity
- • Adopting ALC(auto lighting control) and widening color expression
- • Keeping normal brightness and extending the life, removing noise
- • IR LED semi-permanent life time

CHUTES and FEEDING

- • Feeding
- • Less vibration
- • Less power consumption
- • Automatic feeder control
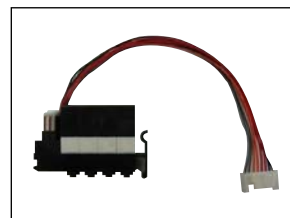- • Increased capacity by flat type chute

TEA GRADING

- • Tea leaf grade sorting by width
- • Classify OP, BOP, PEOKOE etc
- • Grade at each stage

HI EFFECIENCY EJECTOR

- • Tailored ejector by time tested own technology
- • Fully upgraded with feedback from the sight
- • High accuracy and efficiency(1000times per second)
- • Verified technology and life-time
- • Monitoring of ejector temperature and voltage

Remote Control

- • Remote control by TELEGRAM Messenger.
- • Alert Alarm & Monitoring Service.

Minimum Space Areas

500
length
500
500
width
500

Sorting *Sample*

	Black Tea	Black Tea	Black Tea	Green Tea	Japanese Green Tea	Seaweed
material						
1st BOX						
2nd BOX						
good product						
foreign material						

Specifications

Model No.	Dimensions (W ×L ×H mm)	Camera	Ejector	Input (kg/Hour)
NANTA-XPEDIA 12	2900×2030×3500	12	768	450~1400
NANTA-XPEDIA 18	2900×2030×3500	18	1152	700~2100

※ The specifications and designs can be changed without any notice. The capacity depends on the impurity rate.   ※ Compressor, Air dryer, Cooler (Option)