

## ● Technical Data

### i. Technical Specifications-2 Stage

MODEL	INTELLIGENT 2000T- (256)	INTELLIGENT 4000T- (384)	INTELLIGENT 4000T- (512)	INTELLIGENT 5000T- (640)	INTELLIGENT 6000T- (768)
Dimensions (LxWxH-mm)	1280x2050x2830	1870x2110x2830	1870x2110x2830	2360x2110x2830	2730x2110x2830
Power Kw	1.5	2	2.5	3	3.2
Weight	700	1120	1160	1400	1600
Ejectors	1 <sup>st</sup> : 128 + 2 <sup>nd</sup> : 128 = 256	1 <sup>st</sup> : 192 + 2 <sup>nd</sup> : 192 = 384	1 <sup>st</sup> : 256 + 2 <sup>nd</sup> : 256 = 512	1 <sup>st</sup> : 320 + 2 <sup>nd</sup> : 320 = 640	1 <sup>st</sup> : 384 + 2 <sup>nd</sup> : 384 = 768
Chutes	4	8		10	12
Scan System	Third Generation Cloud Version - Hawk Eye Technology 4 Color RGBW 8192 Pixel Full Color Camera / InGaAs Recognition- Infra-red Option				
Cameras	4	8		10	12
Vision lamp	Infinite variable Crystal White LED Lamp				
Capacity- Kg/Hr.	300	600	750	900-1000	1200
Vibrators	3	5		6	7
Air Compressor	Screw Air Compressor 15 KW				
Air dryer	Refrigerated Air Drier 3 CBM				
A.V.R- Kw	2	2.5		3	3.2
Special	Self-Intelligent/ Remote Function/ Auto Programming-Video/ Silver, Golden Tip Separator/ Reverse Mode Action & Grading Option				
Guarantee	2 Years				

- **Anysort is the 1<sup>st</sup> Company to achieve the following certifications in Global Color Sorter Industry**
  - ISO 9001: 2000 Quality Management System Certification.
  - ISO 14000 Environmental Managements System/ Occupational Health and Safety Management System Certification.
- **Anysort has consecutively won the following titles in China**
  - Consecutively Honored as Most Advance Technology Title in China.
  - Consecutively Honored as Most Influential Color Sorter Brand in China.
  - Consecutively Honored as Most Technologically Advanced Color Sorter Title in China.
  - Consecutively Honored for Highest Quality Product Title & Quality Management Systems.
  - Computer Software Copyright Registration Certification.
  - Honored as “AAA” Level Enterprise of Credit Evaluation.

ii. Technical Specifications- 3-5 Stage & Infra-Red

MODEL	3 STAGE INTELLIGENT 4000T (768)	3 STAGE INTELLIGENT 6000T (1152)	3 STAGE (REVERSIBLE) INTELLIGENT 6000T (1152)	4 STAGE (REVERSIBLE) INTELLIGENT 6000T (1536)	5 STAGE (REVERSIBLE) INTELLIGENT 6000T (1920)	3 STAGE IR INTELLIGENT 6000 T (1152)
Dimensions (LxWxH-mm)	1920x2250x3500	2730x2250x3500	2730x2400x3200	3000x2700 x4000	3000x3100 x4000	2860 x2735 x3920
Power Kw	3.2	3.5		6	7.5	3.5
Weight	1850	2100	2300	3600	4300	3800
Ejectors	1 <sup>st</sup> : 256 + 2 <sup>nd</sup> : 256 + 3 <sup>rd</sup> : 256 = 768	1 <sup>st</sup> : 384 + 2 <sup>nd</sup> : 384 + 3 <sup>rd</sup> : 384 = 1152	1 <sup>st</sup> : 384 + 2 <sup>nd</sup> : 384 + 3 <sup>rd</sup> : 384 = 1152	1 <sup>st</sup> : 384 + 2 <sup>nd</sup> : 384 + 3 <sup>rd</sup> : 384 + 4 <sup>th</sup> : 384 = 1536	1 <sup>st</sup> : 384 + 2 <sup>nd</sup> : 384 + 3 <sup>rd</sup> : 384 + 4 <sup>th</sup> : 384 + 5 <sup>th</sup> : 384 = 1920	1 <sup>st</sup> : 384 + 2 <sup>nd</sup> : 384 + 3 <sup>rd</sup> : 384 = 1152
Chutes	12	18		24	30	18
Scan System	Third Generation Cloud Version - Hawk Eye Technology 4 Color RGBW 8192 Pixel Full Color Camera / InGaAs Recognition- Infra-red Option					
Cameras	12	18		24	30	RGBW COLOR- 18 + IR- 18= 36
Vision lamp	Infinite variable Crystal White LED Lamp					
Capacity-Kg/Hr.	1200	1600-2000	1600	2200-2600	2600-3000	1600-3600
Vibrators	5	7				
Air Compressor	Screw Air Compressor 15 KW					
Air dryer	Refrigerated Air Drier 3 CBM					
A.V.R- Kw	5			7.5		
Special	Self-Intelligent/ Remote Function/ Auto Programming-Video/ Silver, Golden Tip Separator/ Reverse Mode Action & Grading Option					
Guarantee	2 Years					

• Cloud Internet of Things Technology

- Real time Online Service.
- Online Technical Support.
- Online Diagnosis.
- Online Software Upgrade.
- Online Data Exchange.
- Online Operation Management.
- Creates new Era of Zero-Distance.

- **Most Advanced Cloud Version consisting of 4 Color RGBW Full Color Camera**

- i. Consists with **Toshiba (Japanese) 8192 Pixel 4 Color RGBW Full Color Camera**. Pioneer in **Global Innovation Third Generation Cloud Version consisting of 4 Color RGBW adopting Hawk-Eye Recognition Technology into camera**, compared to Second Generation CCD 3 Color RGB. This is one of the **Major Differences** from the cameras used in the competing 3 CCD & Bichromatic (RGB / Black & White) Camera Color Separators.
- ii. **Self-Intelligent Version analyzes different raw materials and set parameters Automatically.**
- iii. All **Semiconductor Chips & Circuits consist of ARM Brand from UK**, world's leading Semiconductor Producer.
- iv. Exclusive retaining / Rejecting of **Silver & Golden Tips** compared to competing models. Actual color detection, rejects even Intermediate Colors including **Black Stalks/ Red-Ends** effectively & **Silver and Golden Tips can be Retained** effectively.
- v. Consists of **Discolor and Discolor Reverse Modes**. This option will ensure elimination of 100% Stalks/ Red Ends to be rejected.
- vi. **Intelligent Shape Sorting**- Initiative **Multidimensional space algorithm** can identify & sort as per **Shape, Length & Thickness**.
- vii. Option of **Extracting** remaining Black Tea from **Refuse Tea**.
- viii. Only Color Separator in the Globe, which consists with **Cloud Version Hawk Eye Technology, Self-Intelligent/ Remote Function Mode with Video Option**, which facilitates **Auto Programming**.
- ix. Global Initiative Design of **5 Stage integrated** with Intelligent **Circulatory system**. Precise separation of **Yellow Stalks, Brown Stalks, Black Stalks, Slice & Flaky Leaf, Silver Tips & Golden Tips. No Re-sorting**.

- **Option of Infrared Camera & Reverse (back side) Camera**

- i. **InGaAs Recognition Technology- Infrared Camera** with Ultra-High Resolution & wide range of Spectral Response at **Any Stage** (Upper/ Middle/ Lower) & **Any Position** (Front or Back) - Eliminates all **Impurities including Black Color Impurities**; Plastics, Stone, Sand, Glass, Metal, Non Metallic Particles, Nylon, Paper, Insects, Animal Stool & all Non Tea Malignant Impurities.
- ii. Option of **Additional Reverse Camera** at **Any Stage** (Upper/ Middle/ Lower) – Very High **Superior Performance**.

- **Japanese Phoenix Lens**

- i. All models consists of Highly Efficient/ Durable Japanese Phoenix Lens.

- **Option of Self-Intelligent Mode with Remote Function & Video Option**

- i. Self-Intelligent.
- ii. Auto Programmable through Video.
- iii. Precise/ Accurate Sorting & Separation into 3/6 Fractions.
- iv. Remote Function.
- v. Access & Programmable from Anywhere in the Globe.
- vi. Cloud Version Hawk Eye Technology.
- vii. Global Innovation of Internet of Things- Access & Programmable from anywhere in the Globe.

## ● Ejector Valve

- i. Equipped with high speed **German Air Ejector** valves, the world leaders in ejector technology. This unique air valve has a response time of 1000 m.secs & **longer life time** up to **10 Billion** times.
- ii. **High Blowing Accuracy** reduces the possibility of good Tea Particles being rejected along with the Stalks/ Red Ends.
- iii. Ultra-Low Air Consumption, Ultra Power Saving, Zero Damage to Tea, Super Silence, Perfect Self Recovery System- Low Maintenance Cost.
- iv. Tolerant to **Extreme Conditions & Moisture**.

## ● Led Technology

- i. **Infinite variable LED light control Technology-** Only Tea Color Separator machine in the Globe with **Crystal White Exposed LED (OSRAM)** Technology.
- ii. Brightness of the LED lamps are 9500 Lux, Five times Brighter than a general Fluorescent Lamp which is used in competing models. This feature can distinguish a range of 65,000 Colors.
- iii. **Durability** of LED Lamps, are more than **Ten times** the conventional Fluorescent Lamps.
- iv. No heat build-up during long hours of operation. This factor will increase the life span of the LED.
- v. LED lamps consumes **Less Power (50-70%)** compared to conventional Fluorescent Lamps.

## ● LED Display

- i. **Self-Intelligent, Video & Remote** Functions.
- ii. **Real Color Large TFT – LED Movable Touch Screen.**
- iii. **Sharp** brand from **Japan with Win7** operating system.
- iv. Operator Friendly, Easy Operation.

## ● Largest & Highest Capacity Tea Color Sorter in the Globe-3 Stage (4-36 Cameras)

- i. 4 (Expandable up to - 8) Cameras / 256 Ejectors- Capacity 300 Kg/ Hr.
- ii. 8 (Expandable up to - 16) Cameras / 384 Ejectors - Capacity 600 Kg/ Hr.
- iii. 8 (Expandable up to - 16) Cameras / 512 Ejectors - Capacity 750 Kg/ Hr.
- iv. 10 (Expandable up to - 20) Cameras / 640 Ejectors - Capacity 900 - 1000 Kg/ Hr.
- v. 12 (Expandable up to - 24) Cameras / 768 Ejectors - Capacity 1200 Kg/ Hr.
- vi. 12 (Expandable up to - 24) Cameras / 768 Ejectors (**3 Stage**) - Capacity - 1200 Kg/ Hr.
- vii. 18 (Expandable up to - 36) Cameras / 1152 Ejectors (**3 Stage**) - Capacity 1600 - 2000 Kg/ Hr.
- viii. 24 Cameras / 1536 Ejectors (4 Stage) – Capacity 2200 – 2600 Kg/ Hr.
- ix. 30 Cameras / 1920 Ejectors (**5 Stage**) – Capacity 2600 – 3000 Kg/ Hr.
- x. **Infra-red-** 36 Cameras / 1152 Ejectors (**3 Stage**) – Capacity 1600 – 3600 Kg/ Hr.

## ● Structural Advantages

- i. Option of 2 Stage & 3 Stage.
- ii. Models consists with Four/ Eight/ Ten/ Twelve/ Eighteen/ Twenty Four & Thirty wide **U Type Channels**.
- iii. This **Unique Technique** ensures **Precise Sorting & Higher Throughput**.
- iv. Facilitate **Even Movement** of Tea particles, **Less Damage due to Less Friction** & will Minimize Maintenance.
- v. All contact parts are made of **Stainless Steel** which facilitates smooth flow of tea.

- **Auto Dust Cleaning Function**

- i. Automatic Intelligent operation.
- ii. Prevents Dust Accumulation on LED Casing.
- iii. Programmable Time Frequency.
- iv. Saves Operators Time.
- v. Enhanced/ Consistent Performance.

- **Isolator Transformer/ Stabilizer**

- i. Equipped with **Dual Function** Isolator Transformer & Voltage Stabilizer. This unit protects the Color Separator against,
  - **Lightening & Sudden Electrical Surges**
  - **Frequent Power Fluctuations**

- **Screw Air Compressor/ Air Receiver Tank**

- i. **High Efficient/ Energy Saving Swedish (Atlas Copco- Sweden) Screw Compressor.**
- ii. Ability to use on **many Color Sorters/ Automation Systems.**
- iii. Sound Proof.
- iv. Less Maintenance.
- v. Unit is supplied with an **Additional 1000 It. Air Receiver Tank.**

- **Refrigerated Air Dryer/After Cooler**

- i. Equipped with a **Swedish Refrigerated Air dryer/After Cooler (Atlas Copco- Sweden).**
- ii. Ensure **Elimination of 100% Moisture.**
- iii. Supply of **Cool Dry Air** to the valves.
- iv. Enhances the Life Span of the valves and **Performance Level** of the machine.

- **Trough Conveyors**

- i. All discharge boxes are provided with Trough Conveyors. Option of Reversible Trough Conveyors & additional Conveyors to Feed Hopper.
- ii. Bucket Elevator & Feed Hopper.

- **De-Stoner & Dust Suction (Optional)**

- i. Eliminates all Stones & Heavy Objects / Eliminates all Dust particles.
- ii. Sucks all Blowout & Dust / Converts in to Purified Air.

- **Anysort Advantages**

- i. Combination of **Japanese/ German, Swedish & UK** Technology.
- ii. **Free/ Regular** Performance Enhancing **Software/ Mechanical Upgrading** Irrespective of Warranty Period.
- iii. **Manufacturers Branch** in Sri Lanka. No Agents unlike in competing brands. Lowest Price.
- iv. Superior After Sales Service- **Directly by the Manufacturer.** Only Anysort has **positioned Manufacturers Engineers** Full Time in Sri Lanka, **on 24/7 on call Service.** All competing brands are serviced by the Agents Technicians.
- v. Optional Infrared & Reverse Camera.