

# Yaşar<sup>®</sup>



**Yaşar Makina Sanayi ve Ticaret LTD.ŞTİ**  
Çay Mahallesi Çamlık Caddesi No:99A  
Terme / SAMSUN / TÜRKİYE

**Yaşar Makine Metal Sanayi ve Ticaret A.Ş.**  
Töybelen Mahallesi. 1809 Sokak. No:2  
İlkadim / SAMSUN / TÜRKİYE

Tel : +90 362 236 21 22 Fax : +90 362 236 21 55  
info@yasarmakine.com.tr - www.yasargroup.com.tr

# Yaşar<sup>®</sup>

## COLOR SORTER RENK AYIRICI MAKİNALARI



From Trading To Friendship  
Alışverişten Dostluğa.

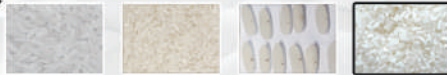
yasargroup.com.tr



We are  
offering  
technology  
to you

More

#### YELLOW & PIN-POINT TIPS & BROKEN



Accepts Rice

Extreme Light Yellow Rice

Pin-Points Tips Rice

Broken Rice

#### SEPARATION JAPONICA RICE AND INDICA RICE



Indica Rice



Japonica Rice



Whole Chalky Rice

Partial Chalky Rice

#### WHOLE CHALKY & PARTIAL CHALKY

#### STICKY RICE & YELLOW RICE & TRANSPARENT RICE



Accepts Rice

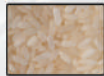


Light Yellow Rice & Sticky Rice



Transparent Rice

#### WHOLE CHALKY & PARTIAL CHALKY



Accepts Rice



Raw Materials Rice



Dark Yellow Rice



Black Rice



Glass



Desiccant



Transparent Plastic



White Plastic



Colorful Plastic



Stone

# Yaşar®

YAŞAR GROUP 1969 yılında girişimci hizmet politikasını kendisine misyon edinen imalat sektöründe faaliyetlerine başlamıştır. YAŞAR GROUP 60.000 m<sup>2</sup> kapalı alan ve 90.000 m<sup>2</sup> açık alanda kurulu üretim tesislerinde, 300'ü aşkın deneyimli kadrosuyla Anahtar Teslim Çeltik ve Pirinç İşleme Makinaları, Anahtar Teslim Parbolli Sistemleri, Çelik Silo ve Ekipmanları, Fındık İşleme Makinaları, Araç Üstü Ekipmanları, Transmikser, Tahıl Kurutma Makinaları ve Tahıl Taşıma Ekipmanları imalatı alanında faaliyet göstermektedir. Bugün YAŞAR GROUP Karadeniz'in yükselen sanayi kenti Samsun'un en fazla ihracat yapan öncü firmalarından biri konumuna gelmenin haklı gururunu yaşamaktadır. Faaliyet konularında müşterilerine her türlü çözümler sunan YAŞAR GROUP ürünlerini Asya, Avrupa, Latin Amerika, Orta Doğu, Amerika Birleşik Devletleri ve Afrika ülkeleri olmak üzere, dünyanın 75'dan fazla ülkesine ihraç etmekte, 2000'den fazla müşterisiyle çalışmaktadır.

YASAR GROUP has been established in 1969, with the mission of enterprising service policy in the manufacturing sector. YASAR GROUP has a closed production area of 60.000 m<sup>2</sup> and open production area of 90.000 m<sup>2</sup>, working with more than 300 experienced employees. YASAR GROUP is specialized on Turnkey Rice Milling Machinery, Turnkey Parboiling Systems, Steel Silo and Equipments, Hazelnut Processing Machinery, On-Vehicle Equipments, Truck Mixer, Grain Dryers and Grain Transportation Equipments. Nowadays YASAR GROUP is proud of becoming one of the leading exporter company of the developing industry city Samsun and Black Sea region. Our company exports our machines to Asia, Europa, Latin America, Middle East, USA and Africa countries. We are proud to export more than 75 countries and working more than 2000 customer.

yasargroup.com.tr

**Yaşar**

*Drawing*

*Render*

*Real*

[yasargroup.com.tr](http://yasargroup.com.tr)

**Yaşar**

Index



TANEM- RICE COLOR SORTER  
Pirinç Renk Ayırıcı

8



TANEM MAX - RICE COLOR SORTER  
Pirinç Renk Ayırıcı

10



OTTOMAN- NUTS AND GRAIN  
COLOR SORTER  
Bakliyat ve Kuruyemiş Renk Ayırıcı

12



AMAZON- InGaAs HYPER SPECTRON  
NGCI-SORTER  
Kuruyemiş ve Tahıl Renk Ayırıcı-Kızılötesi Ayırıcı

14



ATA- BELT TYPE MULTI USAGE  
COLOR SORTER  
Bant Tipli Çok Kullanımlı Renk Ayırıcı

16



X-RAY INSPECTION MACHINE  
Yabancı Madde Ayırıcı

18

[yasargroup.com.tr](http://yasargroup.com.tr)

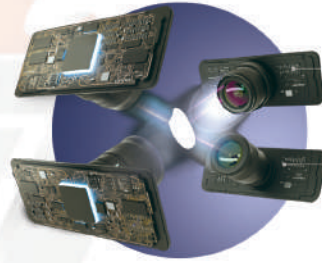
4

5

## INFRARED QUAD CAMERA

- Infrared foreign material camera  
Accurately remove glass, desiccant stones,  
white plastic, transparent plastic, color plastic,

- Infrared speed camera  
- 4D reconstruction technology to obtain speed information  
- Target the center of defects and remove precisely



- Spectrum confocal slow-motion camera  
- Super high-speed camera  
- Taking pictures 50,000 times per second  
- Slowing down the falling process of rice by 1000 times  
- Super slow motion to restore the true shape of rice



yasargroup.com.tr

6

- Full spectrum Lighting System  
- Infinitely close to sunlight.  
- No light yellow rice will be missed

## PID PID Inlet Feeding Monitor & Control System



- Sniper System  
- Confocal Slow-motion camera  
- Targeted Positioning  
- Maglev ejector

- Intelligent Dust Sucking System  
- Intelligent adjustment of air volume  
- No sucking rice  
- New function: feeder vacuum (optional)








yasargroup.com.tr

7

# Yaşar®

TANEM SERIES

## RICE COLOR SORTER

-  PİRİNÇ RENK AYIRICI
-  ФОТОСЕРПАТОР ПИСА
-  أوزون الأرز
-  TRIEUR DE COULEURS DE RIZ
-  CLASIFICADOR DE ARROZ POR COLOR



### HIGHLIGHTS

- CONFOCAL SLOW MOTION CAMERA
- SIMPLIFIED INTERFACE AND SORTER CARE APP
- SNIPER SYSTEM
- PID INLET FEEDING MONITOR & CONTROL SYSTEM

8

yasargroup.com.tr

Configuration

Configuration	Feature	Value	
Performance index	Key parts	15-inch LED screen	■
		Nanoscale visible light ultra-clear color sensor	■
		Micron-level visible light ultra-clear color sensor	—
		Infrared speed monitor camera	—
		NIR imaging system	—
	Sorting index	Capacity of each chute	>2.7TPH
		Shape sorting	■
		Full spectrum lighting system	■
		Spectrum confocal system	■
		Sniper system	■
Service life index	Maglev ejector	>13 billion times	
	LED light source	>120,000hours	
Removal of foreign materials	Glasses and desiccants	●●●●●	
	Plastics	●●●●	
	Same-color stones	—	
Air circuit system	Other non-rice impurities	—	
	Intelligent feeder vacuum system	□	
Protection device	Auto cleaninh + anti-rice suction	■	
	Chute cover	□	
Intelligence	Intelligent production line	Feeder cover	■
		Simplified interface	■
		Sorter care (App)	■
		Remote commissioning	■
		Smart checkup	■
		Smart backup	■
Panorama quality analyzer	□		

The above parameters are measured under the conditions of 25° room temperature and 2% contaminants. The specific indicators will vary due to different environments, materials and impurities. ● refers to strength level; ■ standard; □ Optional; — None. In an ideal environment, the maglev ejector and LED light source can match the lifetime of the color sorter.

Model	Channels	Power	Supply voltage	Air pressure	Air consumption	Dimension	Weight
R4	240	2.4 kw	180-240V 50Hz	0.6- 0.8MPA	<2.0m³/min	2118x1580x2020mm	1340kg
R6	360	3.0 kw	180-240V 50Hz	0.6- 0.8MPA	<3.0m³/min	2710x1580x2020mm	1700kg
R8	480	3.6 kw	180-240V 50Hz	0.6- 0.8MPA	<4.0m³/min	3333x1580x2020mm	2070kg
R10	600	4.2 kw	180-240V 50Hz	0.6- 0.8MPA	<5.0m³/min	3925x1580x2020mm	2430kg

9

yasargroup.com.tr



TANEM MAX SERIES

## RICE COLOR SORTER

SPECIAL SYSTEM



FULL SPECTRUM COMPOSITE LIGHTING SYSTEM  
CONFOCAL SLOWMOTION CAMERA  
INLET FEEDING MONITOR & CONTROL SYSTEM



### HIGHLIGHTS

- SUPER LARGE CAPACITY
- AI TECHNOLOGIES
- FLEXIBLE MATCH OF CHUTES
- MORE STABLE STRUCTURE
- LESS INSTALLATION SPACE
- ALARM FOR ABNORMALITY
- REMOTE CONTROL
- REMOTE COMMISSIONING
- AUTO BACK-UP
- AUTO TUNE



EXTREME LIGHT YELLOW, PIN-POINT TIPS

yasargroup.com.tr

10

Configuration

Configuration	Performance Index	Intelligence
Key parts	15-inch LED screen	■
	Nanoscale visible light ultra-clear color sensor	■
	Micron-level visible light ultra-clear color sensor	—
	Infrared speed monitor camera	—
	NIR imaging system	—
Sorting index	Composite infrared imaging system	—
	Capacity of each chute	>2.7TPH
	Shape sorting	■
	Full spectrum lighting system	■
Service life index	Spectrum confocal system	■
	Sniper system	■
Removal of foreign materials	Maglev ejector	>13 billion times
	LED light source	>120,000hours
	Glasses and desiccants	●●●●●
	Plastics	●●●
	Same-color stones	—
Air circuit system	Other non-rice impurities	—
	Intelligent feeder vacuum system	□
Protection device	Auto cleaninh + anti-rice suction	■
	Chute cover	□
Intelligence	Feeder cover	■
	Simplified interface	■
	Sorter care (App)	■
	Remote commissioning	■
	Smart checkup	■
	Smart backup	■
Intelligent production line	Panorama quality analyzer	□

The above parameters are measured under the conditions of 25° room temperature and 2% contaminants. The specific indicators will vary due to different environments, materials and impurities. ● refers to strength level, ■: standard; □: Optional; —: None. In an ideal environment, the maglev ejector and LED light source can match the lifetime of the color sorter.

### Technical Parameter

Model	Channels	Power	Supply voltage	Air pressure	Air consumption	Dimension	Weight
RTD	780	5.0 kw	180-240V 50Hz	0.6- 0.8MPA	<6.5m³/min	4445x1620x2020mm	2800kg

yasargroup.com.tr

11

# Yaşar®

OTTOMAN SERIES

## NUTS AND GRAIN COLOR SORTER

- BAKLİYAT VE KURUYEMİŞ RENK AYIRICI
- Сепаратор цвета бобовых и орехов
- فاصل ألوان البقول
- Séparateur de couleurs de légumineuses et de noix
- Separador de color de legumbres y nueces



- PID POSITION & CONTROL SYSTEM
- TRUE COLOR CAMERA
- CUSTOM AI NUTS IDENTIFICATION ALGORITHM
- SNIPER SYSTEM
- CRASH-PREVENTED SYSTEM
- INTELLIGENT DUST SUCKING SYSTEM
- EASY TO CLEAN



Gourd Seeds



Almond



Macadamia Nut



Hazelnut



Pistachio



Sunflower Seed

yasargroup.com.tr

12

Configuration

Key Components	15-inch LED Micron-sized Superior HD Color Sensor Patented Maglev Ejector	■ ■ ■
Exclusive Color Sorting Solutions	Targeted Sorting Gentle Remove Shape Sorting	■ ■ □□□□
Foreign Material Remove	Foreign Materials (Plastics, Stones, Dead Insects, Glass)	□□□□
Service Life	Patented Maglev Ejector LED	>13billion times >50000hours
Intelligent System	Extremely Simplified Interface Sorter Care Remote Control Automatic Backup	■ ■ ■ ■
Air Circuit System	Paint-to-point Dust Sucking System	■

Parameters above are tested on the environment of 25 °C and 2 % impurities rate and may change in different conditions. ● Function strength, ■ : Standard, □ Selection — : No

### Technical Parameter

Model	Channels	Power	Supply voltage	Air pressure	Air consumption	Dimension	Weight
NG2	120	1.3 kw	180-240V/57 53Hz	0.6- 0.8MPA	<2.5m³/min	1526x1580x2020mm	960kg
NG4	240	2.0 kw	180-240V/57 53Hz	0.6- 0.8MPA	<4.0m³/min	2118x1580x2020mm	1310kg
NG6	360	2.7 kw	180-240V/57 53Hz	0.6- 0.8MPA	<5.5m³/min	2710x1580x2020mm	1660kg
NG8	480	3.4 kw	180-240V/57 53Hz	0.6- 0.8MPA	<6.5m³/min	3333x1580x2020mm	2010kg
NG10	600	4.0 kw	180-240V/57 53Hz	0.6- 0.8MPA	<8.0m³/min	3925x1580x2020mm	2360kg

yasargroup.com.tr

13

## INGAAS HYPER SPECTRON AI-SORTER

### QUAD DETECTING SYSTEM



FULL SPECTRUM COMPOSITE LIGHTING SYSTEM



INGAAS QUAD CAMERA



SPECTROSCOPIC PRISM STRUCTURE



- 🇹🇷 KURUYEMİŞ VE TAHİL RENK-KIZILÖTESİ AYIRICI
- 🇷🇺 ИНФРАКРАСНЫЙ СЕПАРАТОР ОРЕХОВ И ЗЕРЕН
- 🇸🇦 المكسرات والحبوب الفاصل الذي يعمل بالأشعة تحت الحمراء
- 🇫🇷 SÉPARATEUR INFRAROUGE COULEUR DES NOIX ET DES GRAINS
- 🇪🇸 SEPARADOR DE INFRARROJOS DE COLORES DE FRUTOS SECOS Y GRANOS

- PID POSITION & CONTROL SYSTEM
- CUSTOM AI NUTS IDENTIFICATION ALGORITHM
- SNIPER SYSTEM
- INTELLIGENT DUST SUCKING SYSTEM
- EASY TO CLEAN
- CRASH-PREVENTED SYSTEM



### Configuration

<b>Key Components</b>	15-inch LED	■
	Micron-sized Superior HD Color Sensor	■
	Prism Spectroscopic Imaging Technology (Double Infrared system)	■
	Full Spectrum Composite Lighting System	■
<b>Exclusive Color Sorting Solutions</b>	Patented Maglev Ejector	■
	Targeted Sorting	■
	Gentle Remove	■
<b>Foreign Material Remove</b>	Shape Sorting	●●●●●
	Foreign Materials (Plastics, Stones, Dead Insects, Glass)	●●●●●
<b>Service Life</b>	Patented Maglev Ejector	>13billion times
	LED	>50000hours
<b>Intelligent System</b>	Extremely Simplified Interface	■
	Sorter Care	■
	Remote Control	■
	Auto - Check & Auto - tunning	■
<b>Air Circuit System</b>	Automatic Backup	■
	Point-to point Dust Sucking System	■
	High-efficiency Air circuit system	■
<b>Machine Protection</b>	Input Protection Cover	■
	Remote Separation Chamber: Protection	■

Parameters above are tested on the environment of 25 °C and 2 % impurities rate and may change in different conditions, ● Function strength, ■ : Standard, □ Selection — : No

#### Technical Parameter

Model	Channels	Power	Supply voltage	Air pressure	Air consumption	Dimension	Weight
NGCI1	60	1.8 kw	180-240V/47 53Hz	0.6-0.8Mpa	<2.5m³/min	1136*1700*2030mm	1000 Kg
NGCI3	180	4.8 kw	180-240V/47 53Hz	0.6-0.8Mpa	<3.0m³/min	1628*1700*2030mm	1400 Kg
NGCI5	300	6.0 kw	180-240V/47 53Hz	0.6-0.8Mpa	<4.5m³/min	2220*1700*2030mm	1700 Kg





ATA SERIES

## BELT TYPE MULTI USAGE COLOR SORTER

- BANT TIPLI ÇOK KULLANIMLI RENK AYIRICI
- МНОГОВУНКЦИОНАЛЬНЫЙ ФОТОСЕПАРАТОР ЛЕНТОЧНОГО ТИПА
- نوع الحزام متعدد
- TRIEUR DE COULEURS MULTI-USAGES DE TYPE COURROIE
- CLASIFICADOR POR COLOR MULTIUSO TIPO CORREA



- ANTI-POLLUTION STRUCTURE DESIGN
- PID POSITION & CONTROL SYSTEM
- CUSTOM AI IDENTIFICATION ALGORITHM
- SNIPER SYSTEM
- INTELLIGENT DUST SUCKING SYSTEM
- EASY TO CLEAN
- COLOR-SHAPE SORTING
- CRASH-PREVENTED SYSTEM
- TRANSMISSION SYSTEM 3.0
- FOOD STANDARD STAINLESS STEEL BODY DESIGN
- FOOD STANDARD PU BELT
- EASY INSTALLATION AND MAINTENANCE
- SMALL AREA COVERAGE



yasargroup.com.tr

16

Configuration

Key Components	15-inch LED	■
	Micron-sized Superior HD Color Sensor	■
	Patented Maglev Ejector	■
Exclusive Color Sorting Solutions	Targeted Sorting	■
	Gentle Remove	■
	Shape Sorting	□□□□
Foreign Material Remove	Foreign Materials (Plastics,Stones,Dead Insects,Glass)	□□□□
Service Life	Patented Maglev Ejector	>13billion times
	LED	>50000hours
Intelligent System	Extremely Simplified Interface	■
	Sorter Care	■
	Auto-check & Auto-tuning Automatic Backup	■
Air Circuit System	Paint-to-point Dust Sucking System	■
Machine Protection	Remote Separation Chamber Protection	■
	Ip65 Waterproof Seal Ip65	■
	Worry-free Transmission Structure	■

Parameters above are tested on the environment of 25 °C and 2 % impurities rate and may change in different conditions, ● Function strength, ■ : Standard, □ Selection —: No

### Technical Parameter

Model	Channels	Power	Supply voltage	Air pressure	Air consumption	Dimension	Weight
B1	60	1.5 kw	180-240V/47 53Hz	0.5- 0.8MPA	<1.5m <sup>3</sup> /min	4130x1100x2040mm	1000kg
B2	120	2.0 kw	180-240V/47 53Hz	0.5- 0.8MPA	<2.0m <sup>3</sup> /min	4130x1390x2040mm	1200kg
B3	180	2.5 kw	180-240V/47 53Hz	0.5- 0.8MPA	<2.5m <sup>3</sup> /min	4130x1670x2040mm	1400kg
B4	240	3.0 kw	180-240V/47 53Hz	0.5- 0.8MPA	<3.0m <sup>3</sup> /min	4130x1960x2040mm	1600kg

yasargroup.com.tr

17

## X-RAY INSPECTION MACHINE

-  X-RAY YABANCI MADDE AYIRICI
-  ФОТОСЕПАРАТОР ПОСТОРОННИХ МАТЕРИАЛОВ
-  فاصل المواد الأجنبيّة
-  SÉPARATEUR DE MATIÈRES ÉTRANGÈRES
-  SEPARADOR DE MATERIAL EXTRANO



- **PRECISE IDENTIFICATION**  
350W BERYLLIUM WINDOW EMITTER SHOW CLEAR IMAGING, EASY TO IDENTIFY IMPURITIES OF SIMILAR DENSITY.
- **OUTSTANDING YIELDS**  
SPECIAL WIDE RANGE DETECTION SENSOR AND HIGH-FREQUENCY FEEDER SATISFY LARGE YIELDS REQUIREMENT.
- **LOW CONSUMPTION , HIGH PROFITS**  
CREATIVE HIGH SPEED EJECTOR REMOVAL DEVICE ACCURATELY REMOVES IMPURITIES.
- **WIDE APPLICATION**  
WIDELY USED IN THE SORTING AND DETECTION OF NUTS, KERNELS, PEANUTS, BEANS, DEHYDRATED VEGETABLES, TEA, HERBS AND OTHER BULK MATERIALS.



### Technical Parameter

Model	Channels	Power	Supply voltage	Air pressure	Air consumption	Dimension	Weight
FMS60	60	2.5 kw	180-240V47.53Hz	0.5- 0.8MPA	<1.5m³/min	3450x1320x2370mm	850kg
FMS80	80	3.0 kw	180-240V47.53Hz	0.5- 0.8MPA	<2.0m³/min	3450x1460x2380mm	950kg



The front drive and anti-offset design effectively improve the sorting performance, reduce the breaking ration and maintenance cost.



With new Yasar advanced AI image computing technology, the 3D reconstruction analysis of color-selected materials reveals any impurity.



Intelligent self-detection signal and key device detection and maintenance reminder make sure that the machine is always at its best when the sorter is online.



Intelligent Backup Key - parameters automatically back up to the cloud regularly and the sorting solutions can be switched quickly when facing different types of raw materials when the sorter is online.



20

[yasargroup.com.tr](http://yasargroup.com.tr)

ANAHTAR TESLİM PİRİNÇ FABRİKASI

# TURNKEY RICE MILL

