



Rifay Machine Recycle Systems

COMPANY DESCRIPTION AND REFERENCE DOCUMENT

NOV 2022



Rifay Recycling Systems – Innovative Solutions for a Sustainable Future

Located in Kemalpaşa, İzmir, Rifay Recycling Systems has been representing Türkiye in the recycling industry with over 20 years of project experience and continuous R&D efforts.

Rifay specializes in the installation of various recycling facilities, including packaging waste sorting, PET separation, solid waste separation, RDF production, mixed plastic sorting, and paper sorting. The company also manufactures and sells a wide range of machinery such as baling presses, ballistic separators, scrap balers, conveyors, bale openers and scrap cranes.

With successful exports to the Middle East and North Africa, Rifay has proven its capability on the international stage. One of its most notable projects was in Riyadh, Saudi Arabia, where the company completed the production and installation of a facility with a daily waste sorting capacity of 3,600 tons.

Rifay has also become a recognized brand in Morocco, starting with Marrakech in 2016 and expanding its footprint with recycling plants in Azrou, Tetouan, Dakhla, and Tangier, competing successfully with international players.

The company operates in a 5,200 m² facility in İzmir, including 4,000 m² of indoor production space.

By closely following global trends and relying on its own resources and long-standing experience, Rifay continues to deliver cutting-edge solutions in the recycling sector.

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1 CONTACT INFORMATION

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Company Owner : Fevzi RİFAİOĞLU
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Product Range

:

- Automatic MSW Sorting System
- Manuel MSW Sorting System
- Automatic P.E.T. Sorting System
- Automatic Mix Plastics Sorting System
- Automatic Packaging Waste Sorting System
- Manuel Packaging Waste Sorting System
- RDF Preparation System
- Automatic Paper Sorting System
- Manuel Paper Sorting System
- Automatic Glass Sorting System
- RDF Preparation System Equipment
- Transfer Stations
- Biodrying System
- Biodrying System Equipment
- Biomethanization System
- Tyre Shredding System
- Fuel Automatic Baler Press ? Baler Press
- Roller Conveyor
- Chain Conveyors
- Magnetic Conveyor
- Trommel Screen
- Finger Screen
- Bag Opener
- Ballistic Separator
- Star Screen
- Disc Screen
- Scrap Crane
- Static Compactor
- Hook Lift
- Metal Baler
- Shredder
- Eddy Current Separator
- Bale Opener
- Rotary Separator
- Windshifter
- Cable Crusher
- Magnetic Seperator
- 3D/2D Material Conveyor
- Pre-Sorting Room
- QC Room
- Sorting Room
- Oversize
- Bunker Conveyors
- Cable Sttipper
- Metal Cutter
- Polip
- Optical Seperator
- Baler Feeding Conveyor
- Baler Press
- Reject-Truck Loading
- Micronizers/Pulverizers
- Extruders
- Granulators (High/Medium/General Purpose/Low)

2 ABOUT US

Rifay started its operations in 2005 in Istanbul. It has gained a significant market share in the international market with its 25 years of experience in the sorting and recycling sector and advanced engineering projects.

Our product range includes machines such as Bale Presses, Ballistic Separator, Conveyors, Shredder, Bag Opener, scrap crane, Polyp, as well as Packaging Waste, Solid Waste, Pet, Paper, Mixed Plastic Sorting and RDF Production Facilities.

Rifay Machine in Numbers;

4.000 m2 Indoor Area

5.200 m2 Total Area

20 + Employees

3 + R&D Engineers

10 + Service Personnel

25 Years of Experience

Export to 20+ Countries



In the machines we produce; We always get positive feedback from our customers as we comply with the principles of fast, high capacity, maximum efficiency and minimum operating cost.

Rifay exports to more than 20 countries, especially to the Middle East and North African countries. Its export moves, especially in the Middle East countries, are at international standards and Rifay offers international service guarantee to its customers with its authorized service team.



Our company, which has successfully delivered many facilities and machines in the fields of sorting and recycling, makes a difference in the sector with its international guarantee.



Thanks to its new investments in İzmir Halilbeyli OSB, Rifay aims to be one of the most important manufacturers in the field of engineering and R&D in this sector. In addition, our company, which has significant experience in the field of domestic waste, cable breaking and plastic recycling equipment in the sector, aims to become a respected brand in the international market with its developing export network.



3 OUR SERVICES

3.1 DESIGN

Rifay Machine Engineering Department offers suitable solutions for all kinds of waste separation (MSW,P.E.T., RDF). We prepare feasibility, mass balance, flow charts, 2/D – 3/D drawings, detailed engineering drawings, periodic maintenance manuals, work manuals and training documents.

3.2 PROJECT MANAGEMENT

Rifay Machine Project Management Department creates its projects by following every step. We organize the supply chain for each project.

3.3 MANUFACTURING

Rifay Machine manufactures equipment for waste Sorting Systems, RDF production plants, bales, transporters, dump cleaning cabinets, finger screens, disc screens, shredding machines, bag openers, scrap cranes, compactors, steel frames, gutters, walkways, connections and platforms. Our electrical departments manufacture all electrical panels and data-based control and monitoring systems and prepare PLC (programmable logic control) programs.

3.4 INSTALLATION

Rifay Machine, installation and assembly personnel perform cold commissioning, hot commissioning, performance tests and give training.

3.5 MAINTENANCE AND REPAIR SERVICES

If any problem occurs in the plants established by our company, Rifay Machine Service Department Technicians try to solve the problem via internet or telephone as the first option. If the problem is not solved, the service personnel take immediate action and visit the customer. We keep spare parts in stock for emergencies.

4 CURRENT AND COMPLETED WORKS

4.1

Project : ECOMED DAKHLA MSW SORTING SYSTEM

Capacity : 25 tons/hour

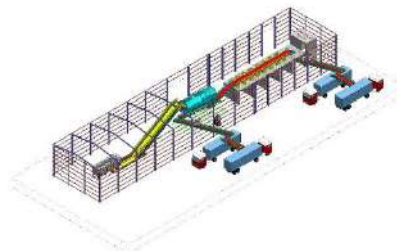
Location : MOROCCO / DAKHLA

Sorting Task : MSW

Facility Type : MANUAL

Project Status : Completed

Date : 2021



4.2

Project : ECOMED TETOUAN MSW SORTING SYSTEM

Capacity : 40 tons/hour

Location : MOROCCO / TETOUAN

Sorting Task : MSW

Facility Type : Automatic

Project Status : Completed

Date : 2021



4.3

Project : AZROU MSW SORTING SYSTEM

Capacity : 20 tons/hour

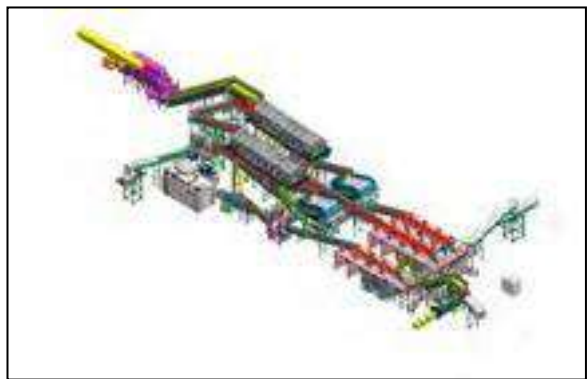
Location : MOROCCO /AZROU

Sorting Task : MSW

Facility Type : MANUEL

Project Status : Completed

Date : 2018



4.4

Project : MARAKESH MSW SORTING SYSTEM

Capacity : 30 tons/hour

Location : MOROCCO / MARAKESH

Sorting Task : MSW

Facility Type : Semi-Automatic

Project Status : Completed

Date : 2016



4.5

Project : KUWAIT MSW SORTING SYSTEM

Capacity : 40 tons/hour

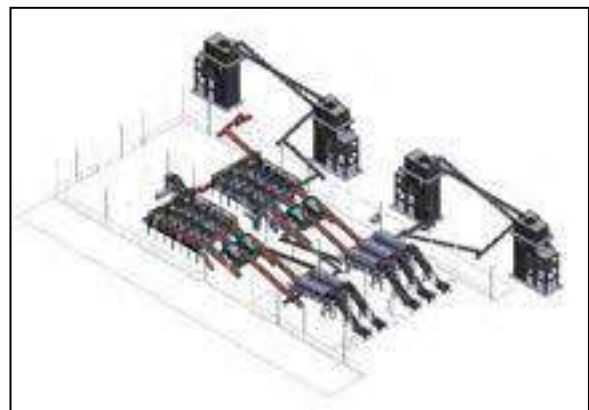
Location : KUWAIT / Sabah Al Salem

Sorting Task : MSW

Facility Type : Semi-Automatic

Project Status : Completed

Date : 2017



4.6

Project : DALEEL AL-MAADEN GLOBAL COMPANY

Capacity : 5 tons/hour

Location : Saudi Arabia / Riyadh

Sorting Task : **Scrap**, Manufacturing of Aluminum Alloys and Copper Additives for the Automotive and Steel Manufacturing Industries,
Scrap Metal Handling, Processing and Recycling.

Facility Type : **Automatic**

Project Status : **Completed**

Date : **2018**



4.7

Project : KHALEEJ AL SHARQ AL AWSAT TRADING COMPANY

Capacity : 10 tons/hour

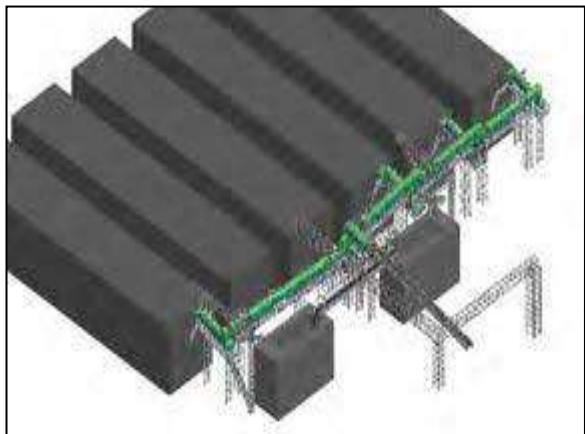
Location : DAMMAM/ SAUDI ARABIA

Sorting Task : Paper Waste

Facility Type : Automatic

Project Status : Completed

Date : 2011



4.8

Project : HOFUF WASTE SORTING SYSTEMS

Capacity : 30 tons / h

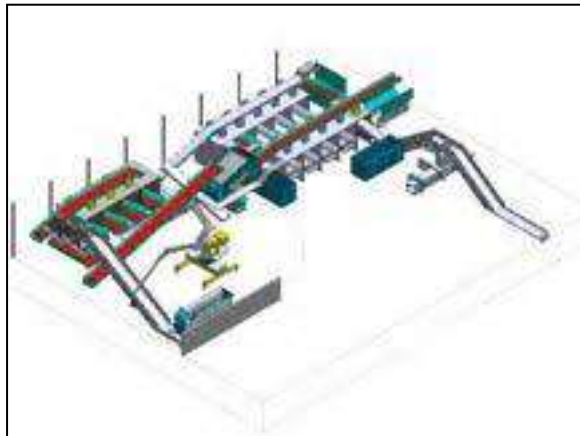
Location : Saudi Arabia / Al-Hofuf

Sorting Task : MSW

Facility Type : Automatic

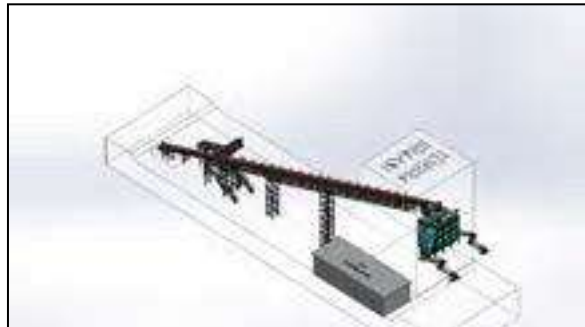
Project Status : Completed

Date : 2019



4.9

Project : WASCO
Capacity : 25 tons/hour
Location : Saudi Arabia / JEDDAH
Sorting Task : MSW
Facility Type : Automatic
Project Status : Completed
Date : 2011



4.10

Project : Şallılar Paper
Capacity : 5 tons/hour
Location : Gebze / TÜRKİYE
Sorting Task : PAPER
Facility Type : Semi-Automatic
Project Status : Completed
Date : 2015



4.11

Project : MEPCO Waste Sorting Systems

Capacity : 4 tons/hour

Location : SAUDI ARABIA / JEDDAH

Sorting Task : Paper & Plastic

Facility Type : Semi-Automatic

Project Status : Completed

Date : 2016



Proje / MAKİNA	Kapasite	Proje durumu /Tarih	Tesis Tipi/ Makina	Sınıflandırma türü	YER
SABİT VİNÇ	22,110 KG	Tamamlandı/2022	otomatik	İNŞAAT(BUILD)	HAMİS MUŞAYT/ SUUDİ
RULOLU KONVEYÖR+ELEKTRİK	29,650 KG	Tamamlandı/2022	OTOMATİK	MSW	MARAKEŞ/FAS
ÇELİK KONSTRÜKSİYON	13,780 KG	Tamamlandı/2022	OTOMATİK	MSW	MARAKEŞ/FAS
KABLO SOYMA MAKİNASI	4,275 KG	Tamamlandı/2022	OTOMATİK	MSW	DAKHLA/FAS
TROMMEL TEKERİ	600 KG	Tamamlandı/2022	OTOMATİK	MSW	MARAKEŞ/FAS
HURDA VİNCİ POLİP	7,560 KG	Tamamlandı/2022	OTOMATİK	METAL İMALATI	KASABLANKA/FAS
FİLTRE VE EKİPMANLARI	2,260 KG	Tamamlandı/2022	OTOMATİK	MSW	KASABLANKA/FAS
KABLO SOYMA MAKİNASI+HİDROLİK	4,350 KG	Tamamlandı/2022	OTOMATİK	MSW	DAKHLA/FAS
80LİK KIRMA BIÇAĞI + KIRMA ELEĞİ	475 KG	Tamamlandı/2022	OTOMATİK	METAL İMALATI	ŞARIKA/BAE
POLİP+KABLO SOYMA MAKİNASI+	3,980 KG	Tamamlandı/2022	OTOMATİK	EKİPMAN TEDARİKÇİSİ	DUBAİ/BAE
PLASTİK KIRMA BIÇAĞI + SHREDDER	75 KG	Tamamlandı/2022	OTOMATİK	ELEKTRİK KABLO ÜRETİMİ	KASABLANKA/FAS
BİOFİLTRE VE EKİPMANLARI	12,840 KG	Tamamlandı/2022	OTOMATİK	MSW	TETOUAN/FAS
POŞET AÇICI + ZİNCİRLİ KONVEYÖR	24,700 KG	Tamamlandı/2021	OTOMATİK	MSW	DAKHLA/FAS
PARMAK ELEK VE EKİPMANLARI	53,630 KG	Tamamlandı/2021	OTOMATİK	MSW	TETOUAN/FAS
ZİNCİRLİ KONVEYÖR (KİSMİ) + RULOLU	25,630 KG	Tamamlandı/2021	OTOMATİK	MSW	DAKHLA/FAS
PARMAK ELEK VE EKİPMANLARI	53,630 KG	Tamamlandı/2021	OTOMATİK	MSW	TETOUAN/FAS
PARMAK ELEK VE EKİPMANLARI	17,490 KG	Tamamlandı/2021	OTOMATİK	MSW	TETOUAN/FAS
ÇELİK KONSTRÜKSİYON VE	25,720 KG	Tamamlandı/2021	OTOMATİK	MSW	DAKHLA/FAS
POLİP 0,15M3 + TROMMEL TEKERİ	8,090 KG	Tamamlandı/2021	OTOMATİK	ORGANİZASYON PERAKENDE	FAS
DÖNER ELEK (TROMMEL)	23,000 KG	Tamamlandı/2021	OTOMATİK	MSW	DAKHLA/FAS
BALİSTİK SEPERATÖR (KİSMİ) + POŞET	76,340 KG	Tamamlandı/2021	OTOMATİK	MSW	TETOUAN/FAS
SHREDDER ROTOR BIÇAK + 50/80 BIÇAK	78 KG	Tamamlandı/2021	OTOMATİK	ELEKTRİK KABLO ÜRETİMİ	FAS/KASABLANKA
ÇELİK KONSTRÜKSİYON	15,320 KG	Tamamlandı/2021	OTOMATİK	MSW	TETOUAN/FAS
DÖNER ELEK (TROMMEL SCREEN)	60,000 KG	Tamamlandı/2021	OTOMATİK	MSW	TETOUAN/FAS
RULOLU KONVEYÖR (1000-1200-1400-	?	Tamamlandı/2021	OTOMATİK	MSW	TETOUAN/FAS