



# BAGGAGE HANDLING SYSTEM



**EMPOWERING  
AIRPORTS**

# ABOUT US

**NAFFCO Aviation** is a division of NAFFCO Group worldwide specialized in mobile services solutions system for Civil & Military Airports.

With the most talented and dedicated employees from around the world, NAFFCO has over 15,000 team members including 2,000 passionate engineers and over 8.5 million square feet of manufacturing and services facilities, we are currently exporting globally to over 100 countries.



In recognition of our outstanding growth and commitment to quality, we have been certified with AS9100 quality management system for aerospace industry and awarded with the prestigious MRM Business Excellence Award for four consecutive years in areas including manufacturing and exports.

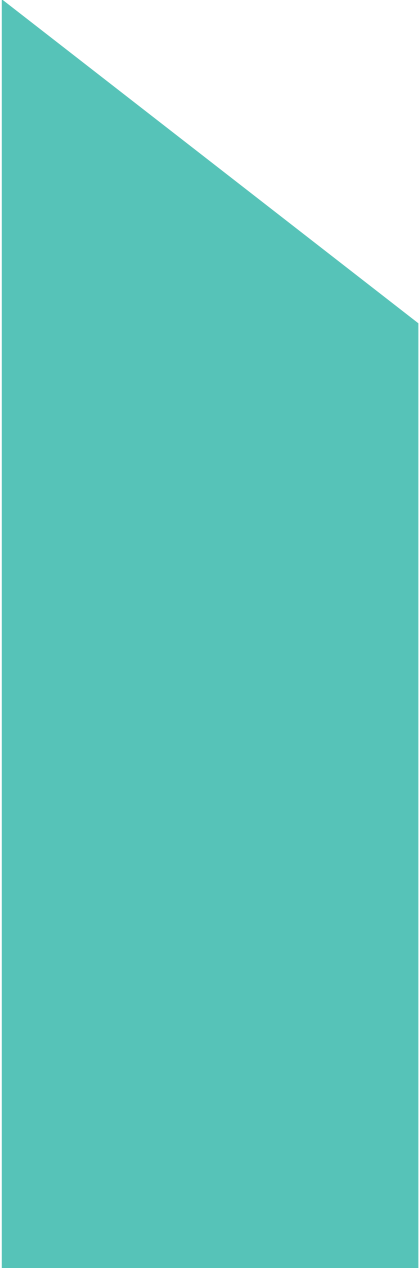
With your continued support and trust, NAFFCO is now poised to further grow its international network. To that end, we appreciate your business and your commitment to safety in the workplace and look forward to serving you for decades to come.



“

...certified with **AS9100**  
**quality management**  
**system for aerospace**  
**industry** and awarded  
with the prestigious  
**MRM Business**  
**Excellence Award**

”



# TABLE OF CONTENTS

|                              |    |
|------------------------------|----|
| About Us                     | 01 |
| Engineering                  | 03 |
| Manufacturing                | 04 |
| Quality Control              | 05 |
| After-Sales Department       | 06 |
| Airport Solutions            | 07 |
| Check-in Conveyor            | 09 |
| Check-in Counter             | 11 |
| Automatic Tray Return System | 13 |
| Baggage X-Ray                | 15 |
| Body Scanner                 | 17 |
| Baggage Handling System      | 18 |
| Spiral Chutes                | 20 |
| Baggage Reclaim Carousel     | 21 |
| Our Service                  | 23 |

# ENGINEERING

NAFFCO's extensive experience in mobility solutions and services for Civil and Military Airports acquired over the last 25 years has been instrumental in the establishment and rapid development of the Aviation division.

The division is supported by our state-of-the-art technology and software allowing for extensive research and development into optimum configurations for maximum space utilization, longer life span of the solutions,

reducing carbon footprints and safety/security features.

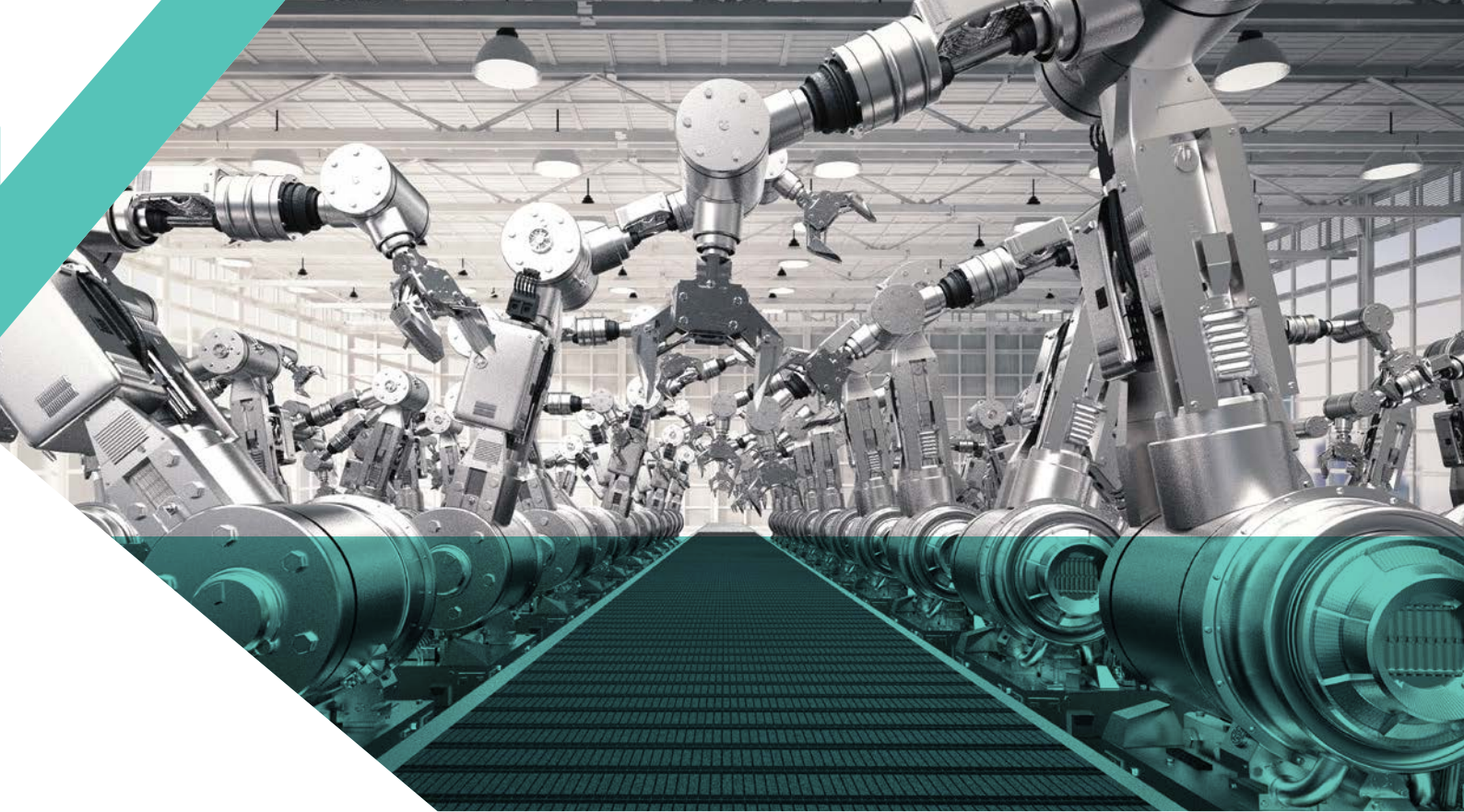
NAFFCO has a qualified R&D team to incorporate latest technologies and trends in the field.

These powerful in-house resources have enabled our engineers to simulate designs in both static and dynamic views while paying particular attention to the efficiency, safety and effective passenger flow.



# 25 YEARS

on **mobility solutions** and **services** for **Civil and Military Airports**



# MANUFACTURING

NAFFCO's manufacturing facility has the latest technology, **state-of-the-art machines** and a **complete machine shop** that make us meet the needs of any production requirement.

NAFFCO has ability to introduce the latest technological systems and equipment in the field, as our engineers and technicians are well qualified and experienced to produce

quality products. The department is equipped with full-fledged testing facilities to test the equipment as per **NFPA, EN, ICAO** and **other international standards**, and to meet the customers specifications.

Considering the above facilities and excellence in engineering capabilities, NAFFCO can meet any challenges to produce bulk quantities.



# QUALITY CONTROL

NAFFCO is committed to working towards continuous improvement with aim of meeting customer requirements and expectations.

NAFFCO is committed to comply with requirements and continually improve the effectiveness of the quality management system.

A dedicated team of quality control department to coordinate material

incoming/ in process and final inspection in accordance with ISO-9000 procedures is also a remarkable asset of NAFFCO.

“ ...in accordance  
with **ISO-9000**  
**PROCEDURES** ”

# AFTER-SALES DEPARTMENT

NAFFCO not only offers a product, but also back-up what we sell with full service, maintenance, and training options.

We have a separate department totally dedicated for maintenance of the products and solutions we offer.

We offer the service of our Engineers and Technicians round the clock (24 hours) for emergency requirements.

Further, we also undertake annual and half-yearly maintenance contracts, which will ensure smooth functioning of the products throughout the year.



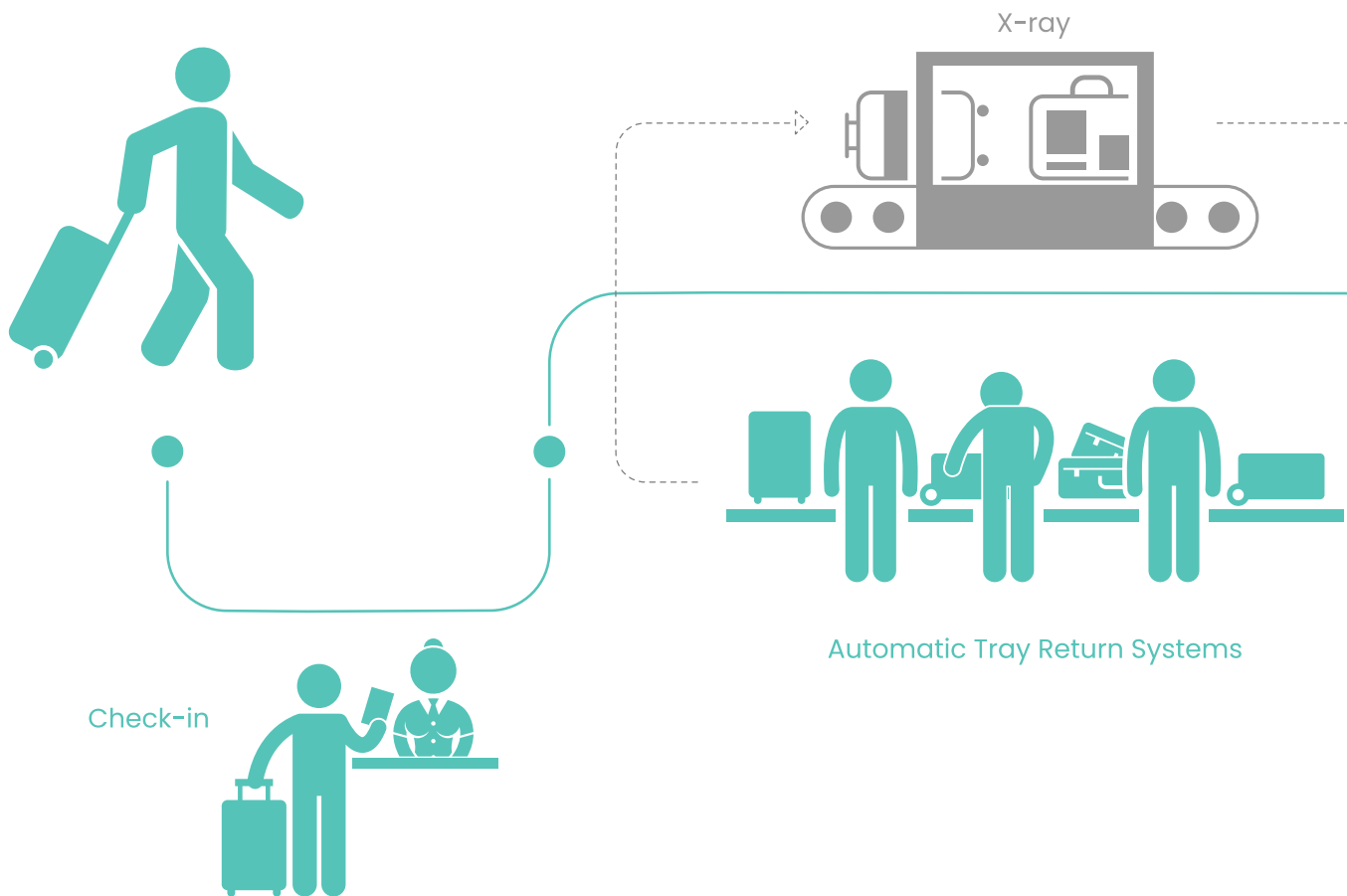
“...round the clock (24 hours)  
for emergency requirements”

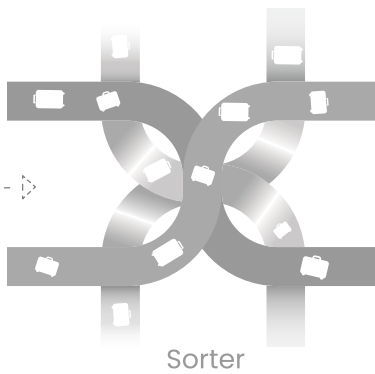


# AIRPORT SOLUTIONS

We are Empowering Airports by providing fully customized engineering design solution, end to end baggage handling and passenger processing equipment as per the latest TSA and ECAC norms.

We offer a complete solution in association with the world's leading technology companies to ensure high productivity, accuracy, efficiency, and safety at your airport.

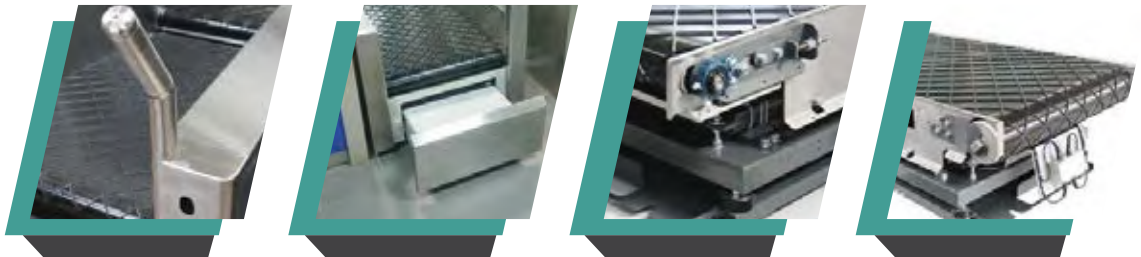




# CHECK-IN CONVEYOR

We offer high end technology fully customized and standard Check-in conveyor meeting any complex airport challenges. Our Check-in Conveyor features include:

- Single Units
- Double units (side by side)
- Adjustable configuration: Weigh-in + (tag) + induction system
- Modular construction
- Single-stage, double stage, triple stage available in both single or double units (side by side)
- The control console can be integrated in the side of the conveyor or the Check-In Desk (Counter)
- Low input height (310mm)
- Width from 500 mm up to 1000mm
- Fitted with sensor to control the width positioning of the baggage on each conveyor
- Easy maintenance



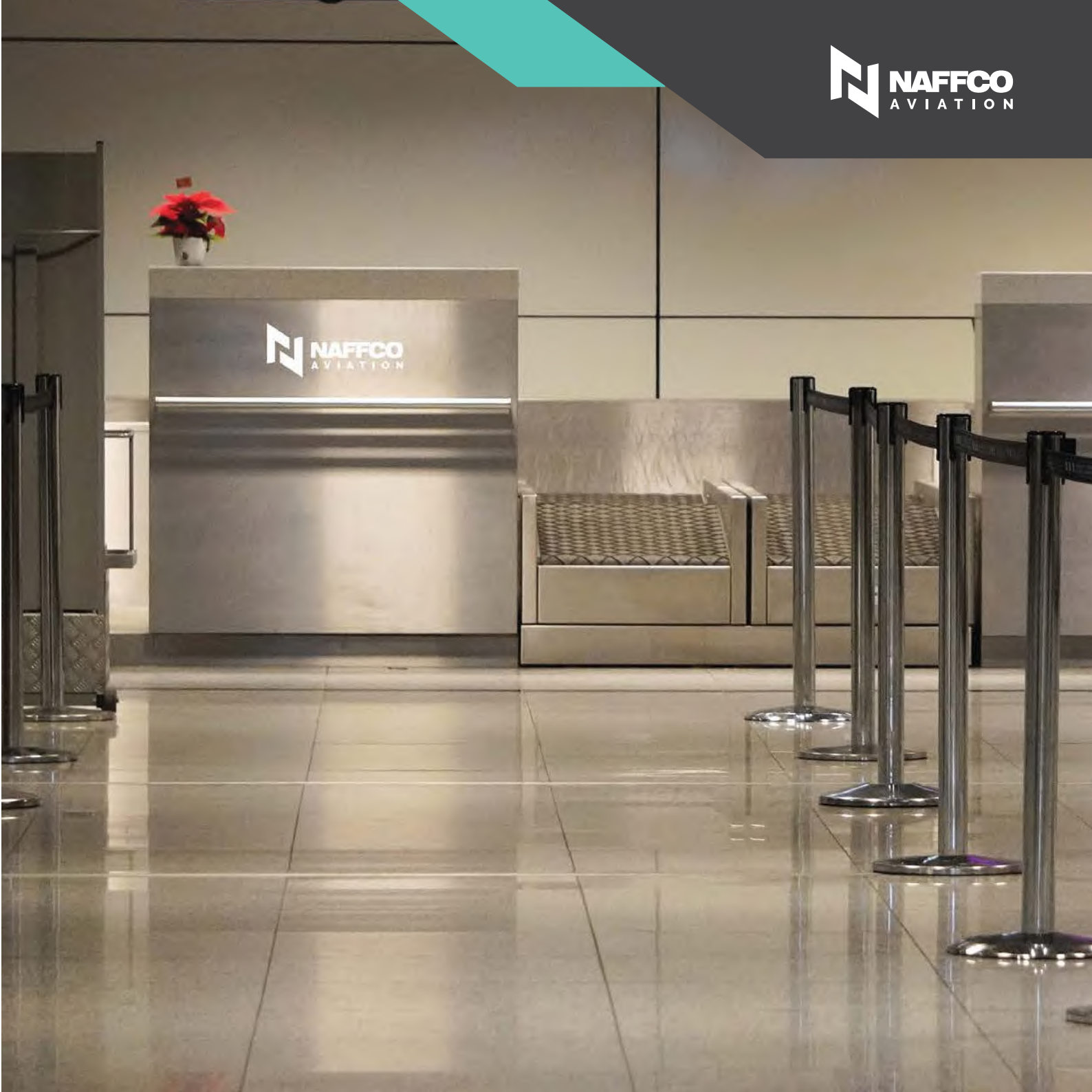


### CHECK-IN COUNTER

We offer custom built design as per your airport interior need. Our Check-in Counter features include:

- Single units
- Double units
- Integrated Weigh-in Conveyor Control console (with Buttons: start, stop, forward, emergency Stop)
- Integrated Passenger Display
- Integrated Operator Display
- Ergonomic Layout for Passenger & Operator
- Passenger-side small Shelf (for small bags, documents, etc.)
- Independent small cabinet for computers & / or other auxiliary equipments
- Lockable cabinet for sensitive equipment or documents

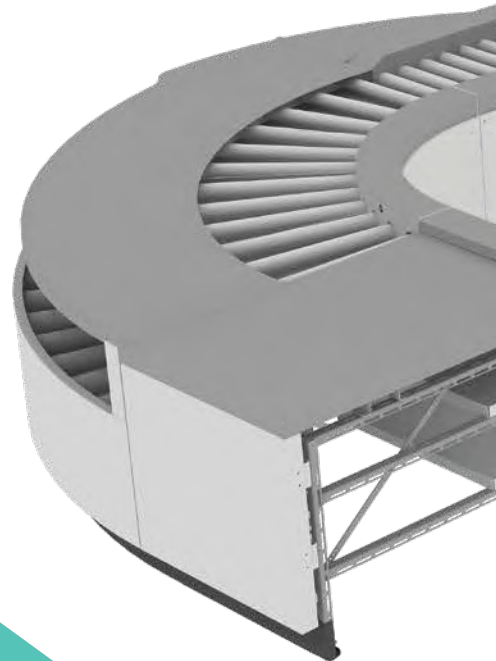


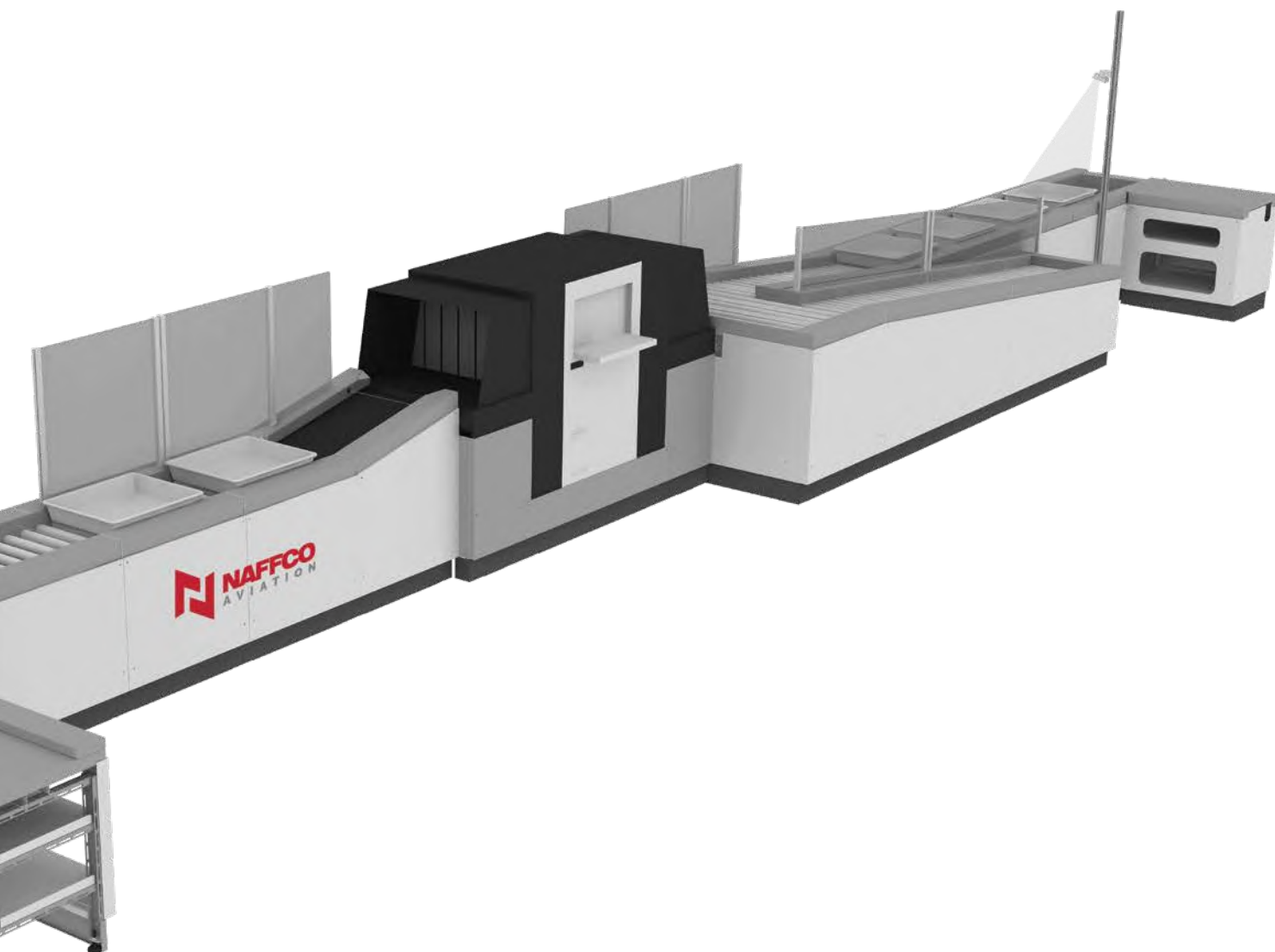


# AUTOMATIC TRAY RETURN SYSTEM

We offer Automatic Tray Return System and Solution for all size of airports. Our system features include:

- Flexible custom-built designs
- Reduction in Queue
- Fully Integrated with leading X-Ray systems
- Automatic Tray Recirculation system
- Up to 500 trays per hour peak speed
- Tray Sanitization system (optional)





### BAGGAGE X-RAY

We offer wide range of Baggage X-Ray solution from the world's leading manufacturers with the products **approved as per ECAC C3 and EU and TSA regulations**. Our Baggage X-Ray features includes:

- High resolution 3D image.
- Computed Tomography (CT) scan technology, which reduces the need to take our electronics and liquids from baggage.
- Explosives and Narcotics detection
- Lesser false alarm.



### BODY SCANNER

To accomplish our range of Check in and Security, we offer wide range of Passenger Body Scanner solution from the world's leading manufacturers with the products based on Millimeter Radio Wave technology which ensures safety to the passenger. Our Body Scanner are capable to detect hidden objects under clothes such as:



Weapons



Liquids



Narcotics



Explosives and  
many more.





## **BAGGAGE HANDLING SYSTEM**

Every airport project presents a different set of challenges: from the space restrictions to the number of baggage that needs to be handled. Our resourceful and experienced team is prepared to answer to all those challenges.

From the design of the solution (using special-purpose software to determine the total capacity of the Baggage Handling System) to the 3D design of the projects and up to the actual installation of the projects we ensure a high level of communication with the client. It is our strong belief that a high level of transparency is a key factor for having successful projects

# BAGGAGE HANDLING SYSTEM

- Integrated control and automation
- BHS designed taking into consideration redundancy and fail-safe options;
- Integration with a wide variety of scanning devices.
- Straight horizontal
- Straight inclined
- Powered curved (bend) at 30, 45 or 90 degrees
- Horizontal and vertical diverters
- Vertical Baggage Conveyors and Lifts
- 30, 45 degrees angle injectors
- Carousels
- Gravity or powered roller conveyors



## DIVERTER:

- Completely automated;
- Zero gap transfer;
- Available with 30°, 60° or 90° exit



## SPIRAL CHUTES

- Zero maintenance
- Designed to handle almost anything
- Can be integrated with any system
- Fast, safe and cost-effective
- Low procurement costs
- Fast and simple installation
- Custom infeed and exit chutes
- No moving parts and no spare and wear parts
- Durable construction with bolt-together
- Built for a smooth and even flow
- It can be customised to your application



### BAGGAGE RECLAIM CAROUSEL

We offer wide range of custom-built baggage reclaim carousel from the world's leading manufacturers. Total solution on design, supply, installation, testing and commissioning, and after sales service is provided by us for any size of airport. Our range comes with standard features:

- Flat and inclined carousels
- Modular construction
- Silent operation
- Heavy load capacity
- Easy to maintain



### OUR SERVICES

We offer total solution for your Airport:

- Design
- Supply
- Installation
- Testing and Commissioning
- After Sales and Services
- Annual Maintenance Contracts





**800-NAFFCO**

8 0 0 6 2 3 3 2 6  
customerservice@naffco.com

follow us on  /naffco  /naffco  /naffco

✉ info@naffco.com |  www.naffcoaviation.com

Member of:

