



Leading Provider of Innovative
Electro-Optics and **X-Ray Imaging**
Systems

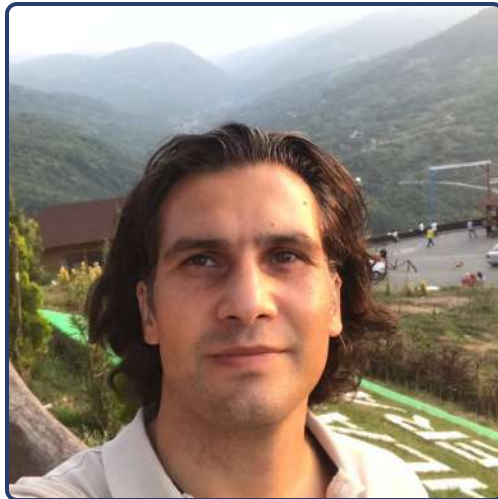
INTRODUCING MS SPEKTRAL

MS SPEKTRAL is a **research and development** company that designs, develops, and manufactures innovative **electro-optics** and **X-ray systems**.



MEET THE **CO-FOUNDERS**

Electrical and electronics engineers with a deep understanding of the industry



Onur Haliloğlu

CEO

A demonstrated history of working in the aerospace & defense industry.



Sancay Kırık

CTO

An experienced electrical and electronic engineer with a passion for innovation and a proven track record in the defense industry

A black and white photograph of a chessboard with a single black chess piece, likely a king or queen, standing on a white square. The piece is in sharp focus, while the rest of the board and the background are blurred. The lighting creates strong shadows and highlights on the piece and the board squares.

OUR MISSION IS TO MEET THE **HIGH QUALITY** AND
RELIABILITY REQUIREMENTS OF THE **DEFENSE INDUSTRY**.

PRODUCT OFFERINGS

MS SPEKTRAL offers an extensive selection of products and services, such as



ELECTRO-OPTIC SYSTEMS



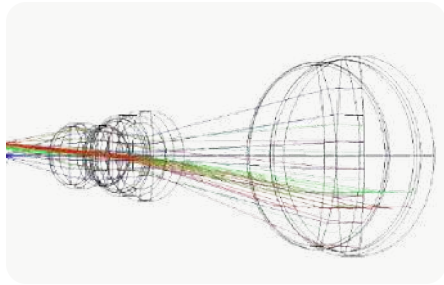
X-RAY IMAGING SYSTEMS

We are committed to providing **technology** to our customers with the **highest quality** products and services. Our technology is based on a **deep understanding** of the principles of electro-optics and advanced imaging, as well as the **defense industry**.

We are also **committed** to providing our customers with **reliable** solutions that meet their needs.

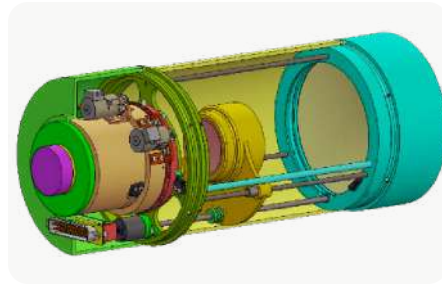
OUR CAPABILITIES

We assume complete responsibility throughout the entire process, **from design** and development to manufacturing and customer onboarding, ensuring **a seamless journey** from inception to delivery.



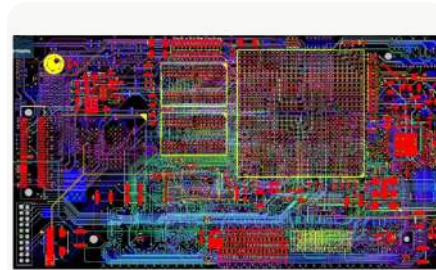
Optical Design

- Spheric/Aspheric Lens Systems
- Cassegrain, TMA etc. Mirror Optic Systems
- Spectrometer Modules
- X-Ray Collimator Modules



Mechanical Design

- Optical System Housing, Holder & Mechanical Assemblies
- Housing for Camera Systems
- X-Ray Mechanical Design



Electronic Design

- X-Ray Electronic Circuitry
- High Speed and Low Noise Camera Readout Module Circuitry
- Control Unit Circuitry
- Power Distribution Unit Circuitry



Data Processing

- Data Calibration
- Dimension Reduction
- Classification
- Target detection



Optical Test and Measurement

- MTF
- SNR
- Dark Room
- Thermal Calibration
- Alignment
- Integration

We take great pride in offering a distinguished **product line**, as the majority of our offerings are **pioneering** and **unparalleled** in Türkiye and in the world.

PIONEER PRODUCTS

X-RAY SCANNING SYSTEMS

Advancing national defense through our company's purpose-built, designed, developed, and manufactured large vehicle scanning solutions.



Gantry X-Ray Truck Scanning

Designed to scan **large vehicles** using X-ray technology. It allows for comprehensive and detailed inspection of the entire vehicle and its contents.



Mobile X-Ray Truck Scanning

Unique capability to perform **X-ray scans** of large vehicles **on-the-go**. With its mobile design, it can be deployed in various locations, such as checkpoints or temporary security installations.



Backscatter X-Ray Scanning

Utilizes X-ray technology to provide **real-time** imaging of **all types** of vehicles and their cargo, even in challenging **weather conditions**.



X-ray Baggage Screening System

Developed and designed **in-house**, advanced X-ray technology to ensure enhanced security during luggage and item inspections.

PIONEER PRODUCTS

CAMERAS AND LENS SYSTEMS

Empowering the defense industry with our state-of-the-art **camera** and **lens** systems, designed to deliver unparalleled performance and reliability.



Laser See Spot Camera

Experience flawless scene and laser spot capture, regardless of day or night conditions.



UAV Head Camera Systems

Designed to withstand extreme environmental conditions, featuring an anti-fog mechanism.



Hyperspectral Imager

A cutting-edge linear scanning hyper-spectral imager with 134 spectral bands, tailor-made for armored vehicles.



Multispectral LongWave Thermal Camera

Designed to achieve user requirements with high reliability, stability and accuracy

PIONEER PRODUCTS

CAMERAS AND LENS SYSTEMS

Enhancing imaging capabilities in challenging visibility conditions with our high-performance lens and lens systems for long-distance applications.



Rugged Camera System

Unlock the ability to capture stunning images in both daylight and low-light conditions.



SWIR Motorized Zoom Lens

High performance Imaging at long distances in foggy conditions



VNIR Fixed Lens

VNIR Fixed Lens system is developed for taking image under low light levels at 400-1000 nm bandwidth.



VNIR Low Light Imaging System

Image Taking under low light levels (star light)

REFERENCES

Our notable and accomplished references



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Discover our cutting-edge defense products

PROUDLY DESIGNED AND
PRODUCED IN TURKIYE

providing unrivaled innovation

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