

Ukrainian Intelligent Optical Separator





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Ukraine's AI-Driven Optical Target Recognition: The ZIR

Developed by the ZIR System company, this module is an add-on artificial intelligence unit that can be integrated into various first-person view drones, multicopters, and fixed-wing aircraft.

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One of Ukraine's Biggest Challenges for 2025: Fiber

Kyrylo Budanov, Ukraine's Main Intelligence Directorate (HUR) chief, has flagged the increasing use of EW-resistant fiber-optic FPV drones as one of

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Optical Sorter

The optical sorter uses advanced optical technology, near infrared (NIR), mid-infrared (MIR) and visible light to sort wood, various plastics, paper, cardboard

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Ukraine's Working to Beat Russia's Unjammable Fiber

Fiber-optic drones are highly dangerous, as they can't be jammed with traditional electronic warfare and are difficult to detect.

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How Optical Sorting Machines Work And All Their Benefits

A complete guide to optical sorting machines: types, how they work, applications, and future trends in smart sorting.

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Optica highlights scientific research from Ukraine

Here are some of the recent works shared with the world through Optica Publishing Group's journals by our colleagues in Ukraine--some already openly available and others that we

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separator Companies and Suppliers in Ukraine , Environmental

Galaxy Scientific, an industry pioneer in portable optical Near Infrared spectroscopy, is an agile innovator, enabling organizations to use the power of Near Infrared optical spectroscopy to analyze

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Next-Gen Warfare: How Ukrainian Troops Use Fiber



Discover how Ukrainian troops are revolutionizing warfare with fiber-optic FPV drones. Immune to electronic warfare, these drones provide stable

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Photon separator for a beam with off-axis optical vortex

An optical device is proposed and realized for spatial separation into different channels of the Laguerre-Gaussian modes with even and odd mode indices. It was shown that a Gaussian beam diffracted by

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Optics in Ukraine: Glorious Past, Uncertain Future

Invasion and war have disrupted Ukrainian science--and rebuilding it deserves the world's attention and resources.

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Optical selector for mixed materials , STOKKERMILL

Optical selector for mixed materials, completes the range of recycling machines and equipment, Stokkermill has developed a series of optical separators that allow you to select the metal fractions

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Ukrainian forces find way to stop Russia's fiber-optic FPV drones

Ukrainian soldiers are coming up with new ways to combat Russia's fiber-optic drones. These drones are difficult to jam with electronic warfare systems, so the main method of defense is their

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Quality Optical Sorter Systems , Precision Waste Sorting Solutions



Explore Optical Sorter systems for precise and efficient waste sorting applications. Our sorters enhance recycling operations by accurately separating materials.

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Optical Sorter

Optical Sorter The optical sorter uses advanced optical technology, near infrared (NIR), mid-infrared (MIR) and visible light to sort wood, various plastics, paper,

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* Milk Separator Cream 80l/h Centrifugal Electric Ukrainian Dairy #8

MILK CREAM ELECTRIC CENTRIFUGAL SEPARATOR 80L/H NEW BRAND, NEWEST MODEL SCM 80-19 Polycarbonate!!! The export version high quality and reliability! This is a new aircraft plant

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Optical separator

Modern photo separators are distinguished by the fact that recognition occurs by color, configuration, shape, etc., while conventional optical separators are sorted

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Optical separators - PRODECOLOGIA

Color sorting machine (optical separator) designed to sort a wide range of bulk products not only by color but also by form and texture, with high accuracy by the intellectual quality control system for

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SEPARA: Optical Separator for Waste Sorting Plants



The project includes developing systems and applications to improve separation processes, traceability, control, and governance across all plant facilities, using

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Russia's fiber-optic FPV drones

Ukrainian soldiers are coming up with new ways to combat Russia's fiber-optic drones. These drones are difficult to jam with electronic warfare

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Ukraine's AI-Driven Reconnaissance: How Autonomous Systems

Ukraine's central objective is to remove warfighters from direct combat, replacing them with autonomous unmanned systems. This goal is not merely an ambition but an existential necessity, driven by the

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Ukrainian Forces Counter Drone Threats with "In

December 24, 2024 Ukrainian fiber-optic drone / screenshot from video How Ukrainian pilots are outmaneuvering electronic warfare with innovative drone

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Optical (NIR) Separator

Optical (NIR) Separator Senro supplies optical NIR separators to fully in-house design and control. The purpose of the optical NIR separator is the fully

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The Armed Forces of Ukraine have already adopted

This year, the Ministry of Defense has already allowed more than 80 new UAVs with a fiber-optic control channel and 25 interceptor drones to enter



Optics in Ukraine: Glorious Past, Uncertain Future

Feature Optics in Ukraine: Glorious Past, Uncertain Future Svetlana V. Boriskina Invasion and war have disrupted Ukrainian science--and rebuilding it deserves

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Smart Optical Separator/Sorting System Delivering 99.9% Detection

Smart Optical Separator/Sorting System Delivering 99.9% Detection Rate Excellence, Find Details and Price about Automated Vision Inspection System Intelligent Vision Sorting System

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Ukraine's Future Vision and Current Capabilities for

As unmanned weapons systems reshape warfare in Ukraine, Kateryna Bondar explores advancements in AI-enabled autonomy. This report offers a

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Technological solutions for sorting nuts from the company "Orient Way"

"Orient Way" company designs, installs and automates lines for optical sorting of nuts in accordance with the individual requirements of customers - from the design development of the project to the

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About us - Ukrainian Intelligent Systems

Information about the company Ukrainian Intelligent Systems Ukrainian Intelligent Systems (UIS) occupy a confident position in the market, providing advanced

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