

LongLife™
Microchannel Plates

SUPERIOR
RESOLUTION



Detect more ions

For more than 40 years, Photonis has led the industry in electron multiplication products with our Long-Life™ Microchannel Plates. Our unrivaled expertise in designing and manufacturing MCPs ensures our customers receive the most sensitive and reliable systems available. Photonis specializes in providing MCPs in custom formats so that you will be the first to discover new phenomena.



Wide Range of Options

Extended Dynamic Range

Increases detection limits by a factor of ten.

Ultra-Flat MCPs

TruFlite™ MCPs with $\pm 5\mu\text{m}$ flatness for reduced time jitter in TOF applications.

Sizes and Shapes

Custom plates can be made 8-150mm and in square, arc, center hole, trapezoid and more.

MountingPad™

Patented technology provides a rigid area for clamping the MCP to maintain flatness when exposed to moisture and reduce noise.

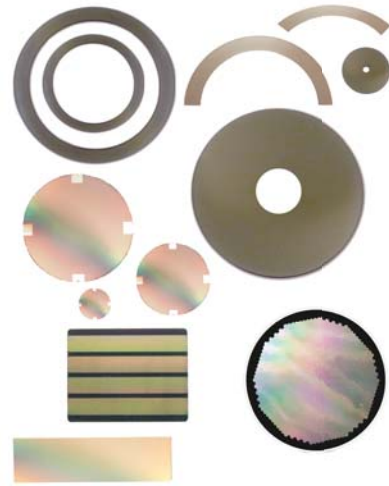
Coatings

Photonis provides a wide range of coatings to optimize UV, X-Ray or high-speed sequential events.



Superior charged particle detection from Photonis

Photonis' MCPs are installed in products that are used in military, space, and commercial applications as an amplifier of low-light level images. As a manufacturer, we are able to provide MCPs in a variety of shapes and sizes (16, 18, 40, 75, 100, 120, or 150 mm) as well as configurations (Z-stack or Chevron). We will work with you to determine the customizations best suited to your needs.



Analytical Instruments

Nearly half of the world's mass spectrometer manufacturers use Photonis detectors to provide the most accurate resolution with superior lifetime. Complete plug-and-play electro-optic assemblies are also available to facilitate assembly or maintenance.

Photonics

Our Microchannel Plates provide the first stage of photon amplification in large range of photonic detectors and sensors, playing a critical part in quantifying high-speed photonic events such as high energy physics.

Physics Research

Photonis' custom manufacturing capability supports a wide range of sizes, shapes and geometries, providing the exact detector needed for quality research. Stripline MCPs can be used to capture sequential high speed, high energy phenomena.

Space Exploration

Photonis MCP products are installed in some of the most well-known missions to date, including the Hubble Telescope, the MAVEN Mission, the DXL Mission, and the GOES-R Satellite.

PHOTONIS

Scientific Detectors

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