METALMESH Opto-Electronic Products.

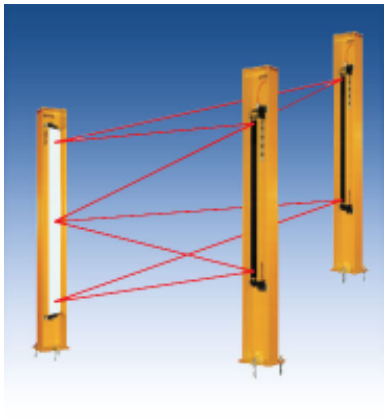
Metalmesh can supply a wide range of opto-electronic devices such as proximity sensors, through beam and retro reflective barriers, with special sensors, analog, laser etc. These include multiple beam, matrix, with control units either internal or external. These are used in a wide range of applications including control, automation and safety, in an equally diverse range of industries including textiles, pharmaceutical, food, wood, paper and engineering etc. A small cross section is listed below..

Safety. ***- Protection.***

The new range of active barriers 'Futura' is the right choice for the protection of operators exposed to any risk of injury on any type of dangerous plant or machinery. The simplicity of the design combined with the speed of installation makes this the perfect choice for category 3 or 4 applications. The wide availability of differing heights for protection and detection enable the 'Futura' range to ensure that the level of protection is always adequate..

Automation. ***- Sensors.***

Metalmesh can supply a wide range of opto-electronic devices such as proximity sensors, direct and reflex barriers, with special sensors, analog, laser etc. These include multiple beam, matrix, with control units either internal or external. These are used in a wide range of applications including control, automation and safety, in an equally diverse range of industries including textiles, pharmaceutical, food, wood, paper and engineering etc.



FUTURA4/3R is especially formatted for perimeter, zone or area protection. The three scanner beams within the optical device are in "cross matrix" array, which generate a total of nine beams of IR light. The beams are positioned equidistance in accordance with the requirements of European standard "EN999" for positioning as a perimeter guarding system.

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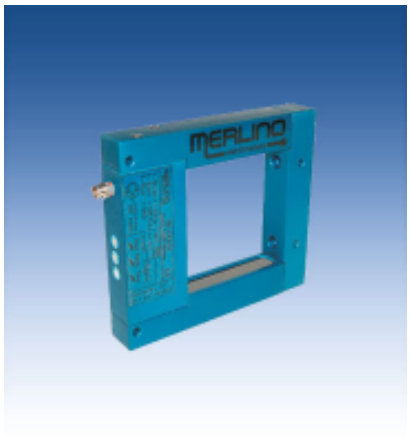
RM90 Mirror Reflectors.

Mirrors and reflectors may be used in combination with any of our safety opto-electronic devices. Usually, they are used to create an IR Laser barrier in more than one aspect using just one guard or device. For example if you use two mirrors type RM90 with one single lightguard such as a FUTURA 3 or 4, you can protect the work and hazard areas along three sides of the perimeter. It is not usual to use 3 mirrors in order to protect 4 sides, but this may be possible depending on distances. These applications are easy and quick to install thanks to adjustable supports on the mirror mounts that allow for a precise orientation. The mounts and mirrors are robust and ergonomic. Being powder coated yellow RAL1021, they are highly visible and also act as an indication of a safe guarded area.
In addition, Futura guards utilise the cross matrix array system of beams, which means they are uniquely able to be mounted linearly in standard vertical OR horizontal aspects.

MEC 3

Light curtain. High-resolution with high response time.

Having a high Object detection capability (ODC), because of the grid array system within the beams, added to a high speed scanning of the detectable area, comes together to accurately detect objects of very small forms and profiles, regardless of the speed at which the object passes.



ME-FRAME

Lightscanner for framework monitoring and counting.

The active optoelectronics detects any small object passing at a given speed through the curtain of infrared light. The dimensions of the object are relayed via the PNP outputs. Having either a standard static configuration or adjustable sensitivity for very tiny objects varies the output commands as a corresponding pulse signal. The length of the object is measured as a result of comparing the length of time taken to pass through the light curtain area, and the speed of travel of the object passing through.

MELAB
Laser pointer in a point, line or cross
The Melab emits a bright red beam in the 635nm wavelength. Using an anti-reflection lens to focus the beam, to produce a focal spot or line. Suitable for all situations where the requirement calls for a solid and steady source of visible laser light needed for high accuracy applications.

TOWER 1100
Support Column for barriers "FUTURE" and mirrors "RM90"
The media column TOWER1100 are easy and quick to install thanks to the special anchors expansion M8 galvanized steel which allow a precise orientation in space. Robust and ergonomic are also aesthetically pleasing due to the color yellow RAL1021 as provided by law for all the safety components used in industrial environments. Are predisposed to be able to mount the barriers is the "future" which mirrors the "RM90" through the media team oriented, so as to allow a precise orientation in a horizontal direction even if the installation of the column to the ground should not be perfect. A system of locking jaws with aluminum on a guide to omega 35mm, allows you to adjust the distance from the earth of the barrier or of the mirror so much faster using a simple hexagon key.