

MICROCAPILLARY



Microcapillary plates are dense arrays of flow-through glass capillaries with large cross-sectional areas and unlimited length to diameter ratio.

We currently manufacture arrays with 5 micron internal diameter pores and we are working to develop even smaller pore sizes. Our Microcapillary Array Plates can be made in either a clear format or black, crosstalk-reducing (EMA) format. Incom currently has the ability to manufacture Microcapillary boules as large as 230mm x 230mm x 400mm (L x W x D), which can be formed to any specified dimensions. Our process is scalable and fully customizable to meet your individual requirements.

FEATURES:

- High Length-to-Diameter Ratio
- Large Active Area (up to 230mm x 230mm)
- High Open Area Ratio (up to 80%)
- Pore Diameters of 5µm and Larger
- High Heat Resistance (700°C MAX)
- Wide Variety of Glass Options
- Custom Fabrication Solutions

SPECIFICATIONS:

| Material Format | Pore Diameter | Open Area Ratio | Thickness |
|------------------------|------------------|-----------------|------------------|
| Clear/Interstitial EMA | 5 µm and Larger | 30 - 80% | 0.5mm and larger |
| Annular EMA | 40 µm and Larger | 30% | 0.5mm and larger |

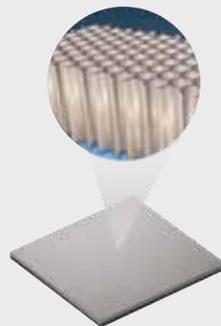
APPLICATIONS:

Time of Flight (TOF)
Micro Channel Plates (MCPs)

Mass Spectrometry
Micro-CHP

Neutron Detection
PET-Scan

and many other novel applications



INCOM

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Some of these materials may be immediately available for samples; inquire at sales@incomusa.com or call (508) 909-2200.

FOLLOW THE LEADER

Incom is the commercial leader in fused fiber optics.



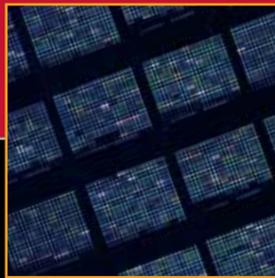
Decades worth of critical contributions to the worlds of medicine, dentistry, drug research, homeland security, genetics and the military reflect Incom's unparalleled commitment to developing advanced, innovative solutions to meet the most demanding technological challenges.

We'll help you do things you haven't even thought of yet.



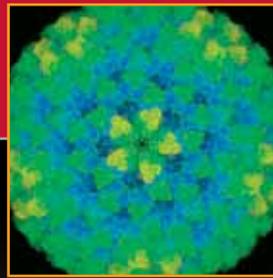
Medical

Incom's fiber optic faceplates continue to lead the digital revolution in medical X-ray technology.



Life Sciences

Incom's microwell and microcapillary arrays provide high-speed solutions for genetic sequencing in advanced genome studies.



Scientific

Incom's fiber optic tapers help propel researchers and equipment manufacturers to the limits of scientific discovery.



Display

Incom's fiber optics enable seamless and dynamic digital displays with tactile feedback.



Bright Ideas in Fiber Optics

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