

# Precision Metal Mesh

DIMENSIONALLY STABLE • PRECISION HOLE SIZE • INTRICATE FEATURES



FLAT, SMOOTH SURFACE • EASILY CLEANED • TAPERED APERTURES

 **InterNet**<sup>®</sup>  
INCORPORATED

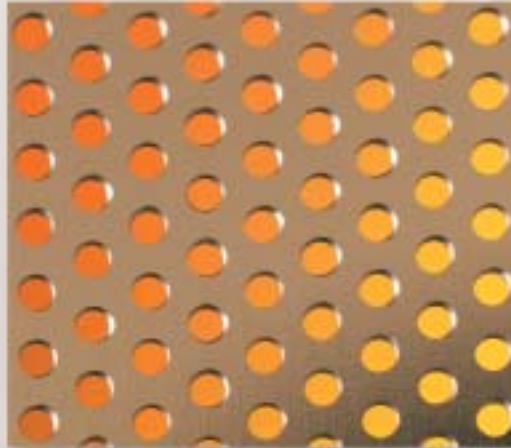
Manufactured by **BMC** Buckbee-Mears, Inc.

## Micro-Etch® Stainless Steel Screens



High quality Micro-Etch® products are close tolerance, precision etched perforated metal screens that have established new standards for precision, dimensional stability and discharge efficiency. They are manufactured from 300 series stainless steel in a photo chemical machining process that allows precise control of hole size and placement.

Micro-Etch screens offer numerous advantages over conventionally stamped metal products, including the ability to achieve very small holes and the elimination of burrs. And unlike woven materials, Micro-Etch screens are dimensionally stable and provide greater efficacy in cleaning and back-flushing applications.



### Micro-Etch® Stainless Steel Screens

- Precise hole sizes
- Tapered apertures
- Dimensionally stable
- Burr-free material
- Easily cleaned
- Complex designs possible
- Low development costs

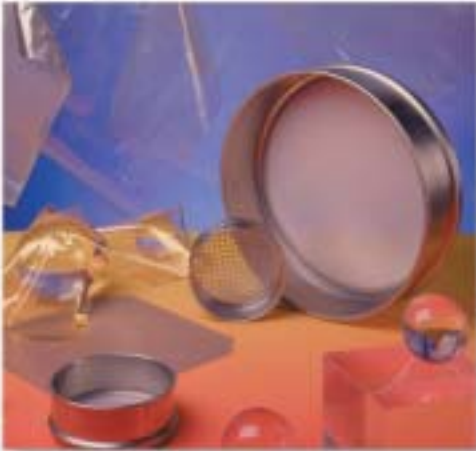


#### Capabilities :

- Hole sizes from .003" to .024"
- Perforated area 18" x 21" sheets
- Hole size tolerance + - 15% of material thickness
- Hole taper or "bevel" equally etched from both sides, or coned
- Various metal hardnesses available

# Metal Mesh

## Micro-Mesh® Electroformed Screens



Micro-Mesh® electroformed screens feature extremely precise apertures in very close tolerances for use in sorting, screening and sifting in a variety of applications. They are available in a broad range of mesh sizes with holes as small as .0003" in diameter.

The electroforming process results in a fine-line mesh that is more precise than other mesh processes. Its flat, smooth surface also makes it easier to clean, reducing particulate entrapment common with other screen materials.

Standard Micro-Mesh products are available in nickel, copper and gold.



### Micro-Mesh® Electroformed Screens

- **Precise square apertures**
- **Broad range of mesh sizes, 5 to 2000 lines per inch**
- **Hole size as small as .0003"**
- **Flat, smooth metal surface**
- **Very thin material (.002" thick)**
- **Typical sheet size 11" x 11" (varies by product)**

### Micro-Mesh® Precision Sieves

The electroforming process is used to create Micro-Mesh® precision sieves, high tolerance instruments used in sorting, sifting, and screening a variety of materials both in laboratory and manufacturing environments. The flat, smooth surface of the mesh and the close tolerance result in improved cleaning, with less clogging and particulate entrapment common with other types of sieves.

The quality nickel mesh is supported by an etched grid of nickel-plated copper/nickel. The support grid may be placed above or below the mesh material, and is mounted in three inch, eight inch or twelve inch diameter stainless steel frames (metric sizes also available). Pans and covers are also offered for a complete classification system.



*Micro-Mesh® precision sieves are produced in compliance with ISO specification 3310 and ASTM specification E-161-87. Test data and a certificate of compliance are available for each sieve produced.*

