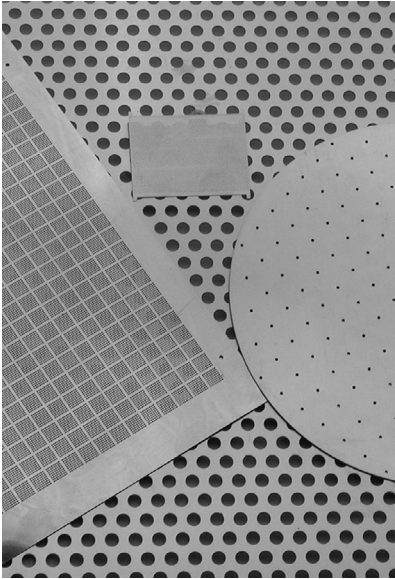
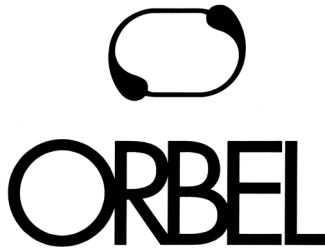


SIEVES, SCREENS, FILTERS



“Orbel’s management is focused on identifying improvement opportunities that will result in more flexible manufacturing and reduced lead time for our customers.”



Orbel manufactures screens, filters and sieves to customers’ requirements. We manufacture through a chemical etching process rather than a weaving, perforating or laser cutting method. Our process allows for a burr free hole that is very clean and leaves the substrate material very flat.

Orbel specializes in manufacturing precision holes that are burr free with tolerances to +/-0.0005 and the ability to produce any shape hole.

Our chemical milling process can manufacture holes that are used in screens, filters and sifting applications in materials as light as 0.001 foils to commercial gauges as heavy as 18 gauge material (0.0478).

Materials

- Brass
- Bronze
- Copper
- Nickel Bearing Alloys
- Nickel Silver
- Stainless Steel
- Steel

Our screen sizes can be as small as 0.100” x 0.100” to as large as 22” x 70” based on material thickness. Actual hole sizes to a one to one ratio of the gauge of the metal to the hole feature. Example on a 0.020 material hole sizes to as small as .020.

Industries

- Aerospace
- Appliance
- Battery
- Chemical
- Electronics
- Filter Manufacturers
- Food Processing
- Medical
- Pollution Control

Applications

- Battery Grids
- Filters
- Fuel Cell Applications
- Medical Devices
- Quick Turn Prototyping
- Screens
- Sizing of Materials
- Testing Materials

Benefits

Our process provides materials that are very easy to clean do to the burr free condition; we do not distort the material as we process our products so we provide very flat materials.

Any hole shape or size can be accommodated by sending an Auto Cad 14 version of your requirements.

ORBEL CORPORATION

Innovators in Photo Chemical Milling and Electroplating

2 Danforth Drive / Easton, PA 18045

610-829-5000 / Fax 610-829-5050 / www.orbel.com

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