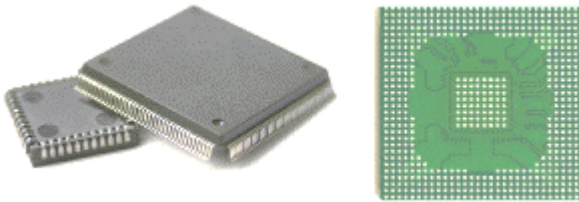
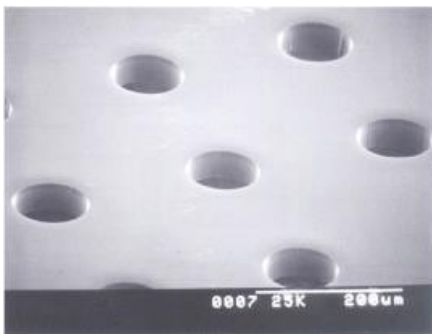


Metal Mask

Outline of Metal Mask



We offer laser cut metal masks and electroformed metal masks.
For high-precision printing, we recommend electroformed metal masks which are made of nickel alloys and have properties to meet your needs with superior dimensional stability.



Metal mask for bump forming.

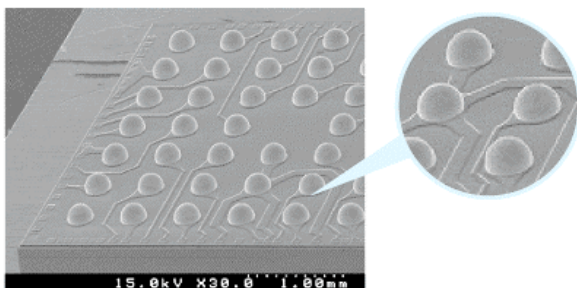
Mask for Microball Mounting

Mitani's solder paste printing masks have excellent release property by our polishing technology to even out thickness variations.

Solder ball mounting masks are available in two types: for flux printing and for solder ball mounting.

Furthermore, we can offer masks for mounting microballs smaller than 100µm, mainly for wafers.

They are metal masks combining options which serve increasingly diverse mounting technology such as BGA and CSP.



Bumps formed with a metal mask for ball mounting.

Electroformed metal masks

Metal masks for dot spacers are required to have small apertures of about 30µm and reliability. Our electroformed metal masks can realize the small apertures and ensure 100 percent opening by our modification technology. They are also ideal for dot spacer printing for touch panels of smartphones and e-books which are remarkably rising now.



Smart phones are exploding in popularity. As masks for producing IT devices with touch panels, the demand for metal masks is increasing.

Laser cut metal masks

As metal masks used to print solder cream vital for mounting printed circuit boards, we offer highly accurate laser cut metal masks in short delivery time. The aperture accuracy is $\pm 5 \sim 10 \mu\text{m}$. We can provide the smoothing process of aperture walls for better solder release as an option.