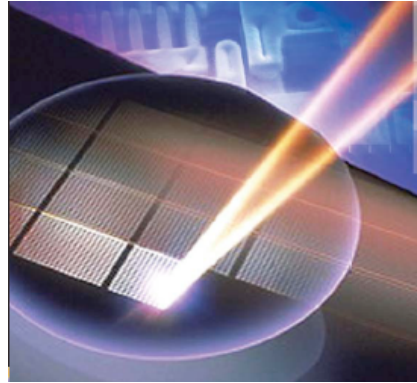

Photomasks

Low cost
High quality
Fast turn-around



◆ The Right Decision

To keep ahead of the competition you need to turn results around fast, getting it right first time, and keeping projects to budget. When you need photomasks, look no further than Bandwidth Foundry International to keep you on track. We offer a variety of turn-around times and invest the highest standards of care and quality into all of our photomasks. Our prices are amongst the lowest in the industry, so with Bandwidth Foundry International as your partner you can go further with your existing resources.

◆ Bandwidth Foundry Photomasks

At Bandwidth Foundry we make photomasks for semiconductor, MEMS, micro-fluidics and photonics industries using a state-of-the-art Heidelberg DWL200 laser writer. Typical applications of our masks are printing on mask aligners or 1:1 projection aligners.

◆ The Bandwidth Foundry Advantage

Located in Sydney, Australia, Bandwidth Foundry is only minutes from Sydney international Airport and FedEx's largest processing center in the Southern Hemisphere. We are only a day's flight from the USA, Asia and Europe, and with favourable time-zone differences, you can send us your designs at the close of business your time and we can be writing your new photomask while you sleep.

◆ **IP Security**

Respect for customer intellectual property (IP) is at the foundation of our business, and Australian IP law and customs are world standard. Confidentiality in all aspects of customer relationship is assured, and we are happy to meet your nondisclosure requirements.

◆ **Specifications**

Design formats: GDSII, DXF, CIF, GERBER.

Preferred format is GDSII or DXF.

Substrates: **Stock items in both quartz and soda lime are**

3”square 0.06”thick

4”square 0.06”thick

5”square 0.09”thick

6”square 0.09”thick

7”square 0.12”thick

Other substrates available upon request

General limitations are:

- maximum size 200mm square
- maximum 6mm thick

Direct writing on wafers possible

Turn-around Standby: 20 working days

time: Standard: 10 working days

Urgent: 3 working days

Other: Please ask

Resolution: Minimum feature size: 0.8 μ m

Minimum tolerance: \pm 100nm

Best writing grid: 20nm

Relative alignment on wafers

better than 0.3 microns

◆ **Greyscale Lithography**

Material: Photoresist on substrate
Grey Levels: 64
Resolution: Minimum feature size: 0.8 μ m
Minimum tolerance: \pm 100nm
Best writing grid: 20nm
Edge roughness 3 σ : 120nm

◆ **Other Services**

Bandwidth Foundry International also offers the following services:

- **PDMS** stamps for soft-lithography
- Microfluidic device development
- Mask design support
- Overlays
- Photomask cleaning

◆ **Try Us Out**

Still not sure? We are eager to show you our capabilities and can provide you with a sample photomask upon request.

◆ **Contract Information**

For further information or a quote, please contact:

Bandwidth Foundry International Pty Ltd

www.bwfoundry.com

Chinese Agent:

Shenzhen Delifeng Trading Co Ltd

sales@dlftrade.com