LOADPOINT
MICRO-MACHINING SOLUTIONS

METAL BOND BLADES

1400 SERIES

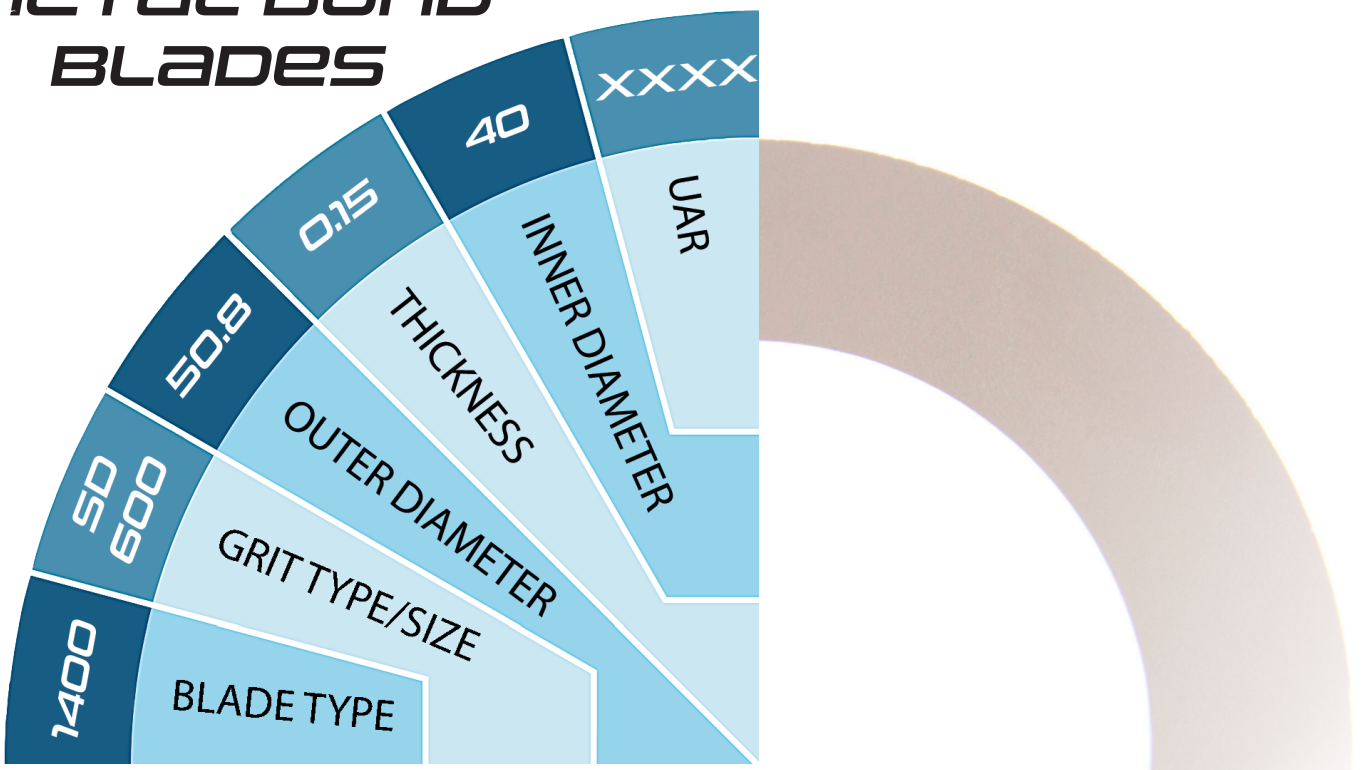
APPLICATIONS

QFN, BGA, FR4/PCB, resin boards, composite materials, polymers and softer ceramics

1400 SERIES metal bond or sintered blades contain diamonds that are bonded together using a sintered metal powder. This means they offer blade wear and blade life characteristics in between that of fast wearing blades (resin-bonded) and low wearing blades (electroformed or nickel bonded). Metal bond blades largely maintain their profile and diameter making them an excellent choice for volume electronics applications where productivity and low cost of ownership is key.

Tel: +44 (0)1793 751160 **www.loadpoint-dicing.com**

METAL BOND BLADES



BLADE TYPE	GRIT TYPE/SIZE	OUTER DIAMETER	THICKNESS	INNER DIAMETER	UAR
1400 Metal Bonded	**SD**- Synthetic diamond 3000 - 2/6um 2000 - 4/8um 1500 - 5/10um 1200 - 6/12um 1000 - 8/16um 800 - 10/20um 700 - 12/25um 600 - 20/30um 500 - 30/40um 400 - 40/60um	50 - 110mm	0.05 - 0.70mm	40mm	**UAR**- Unique Application Reference, - unique code that incorporates a number of parameters to suit your application. *

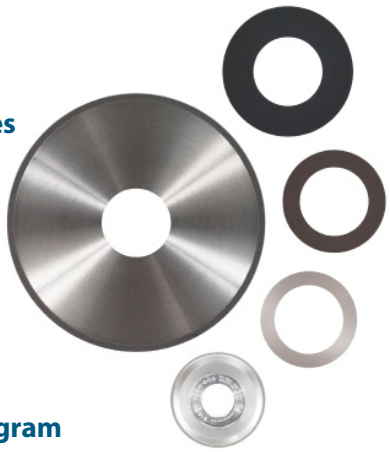
**** Options available on bond type, concentration and additive ingredients***

Loadpoint Expertise

Our customers trust Loadpoint to help them develop class-leading products. We have helped many customers develop task orientated solutions for ultrasound scanners, inkjet printers, SAW filters, MEMS devices and a whole range of silicon based products.

Loadpoint Blade Ranges

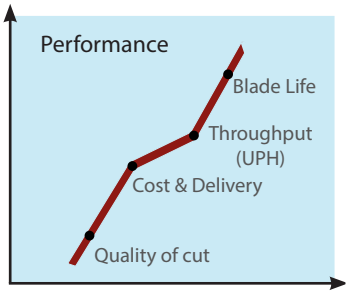
- Resin Blade
- Hubbed Blade
- Resin on steel core
- Electroformed Blade
- Metal Blade
- Vitrified Blade



Micromachining solutions for:

SEMICONDUCTORS	OPTICAL
ELECTRONICS	MEDICAL/ULTRASOUND
FERRO-ELECTRONICS	SOLAR
OPTO-ELECTRONICS	SONAR

Blade Optimisation Program



Loadpoint can optimise a blade for any process based on any number of target objectives.

Let us know your dicing challenges and we will put together a program to enhance your process.

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