



Dicing Equipment and Service

MPE, Inc. (Micro Precision Equipment) is an equipment sales, service, and sub contract dicing company for the micro dicing, sawing and grinding industries. Dicing capabilities from 300mm (diameter) to 10mm (thickness) are available, with accuracy to +/- 2 microns.

Our mission is to provide superior customer service while utilizing the latest technology and creating innovative processes. Through this, our customers will reduce their production costs and increase the quality of their product.

Tel. (903) 527-3790

Fax: (903) 527-3740

<http://www.micrope.com>

300mm/12 inch NanoAce dicing saw

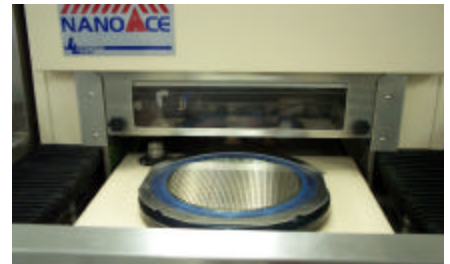
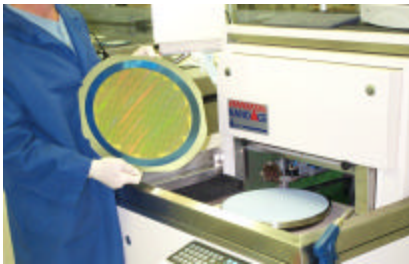


MPE sells and uses in its sub contract dicing service the Loadpoint NanoAce dicing saw.

The NanoAce is the next generation sub-micron precision dicer and scribe that is equipped to handle a large range of materials up to 12 inches/300mm, including Alumina, BGA's, Ceramic, Glass, Fibre Board, Silicon, and other hard materials.

- 300x300mm dicing capacity, fully flexible TNC or Windows control system
- 0.0001mm resolution on the X, Y, and Z axis
- 0.00015° resolution in the theta axis
- 46 to 76.2mm blade capacity
- Spindle speed 5,000 to 60,000 rev/min
- Adaptable for all film frames, tape ring and clamp style holding systems

- Compact construction with precision cast iron castings and stainless steel frame



6 inch/150mm MicroAce dicing saw



MicroAce series 3 dicing saw

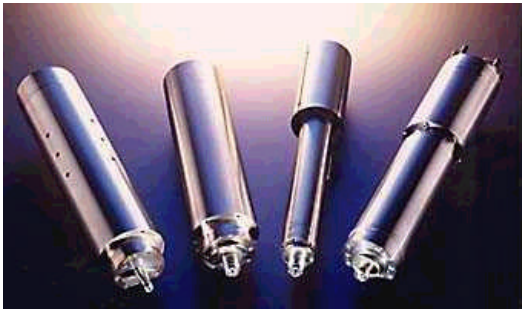
MPE also sells and uses in their sub-contract dicing department the Loadpoint MicroAce series 3 dicing saw.

The MicroAce is fitted with a LDSD4 high-powered Air-bearing and Theta axis Air-bearing unit to ensure high accuracy and reliable performance; and is one of the easiest to operate and maintain dicing machines on the market. Adaptable design and rigid structure ensure high accuracy and consistent performance for volume production at a very competitive price.

The MicroAce series 3 provides a complete micro-dicing solution for the precision dicing, scribing, and grinding needs for the micro-manufacturing industry. It is capable of processing a wide range of hard materials including Silicon, Ferrite, Glass, Germanium, PZT, and Sapphire up to 6 inch/150mm in diameter.



Micro-Dicing Accessories



MPE provides a comprehensive range of retrofit Air-bearing spindles to suit most dicing machines.

We also provide spindle repair.

MPE provides a variety of diamond and non-diamond blades in a hubbed and hubless style. MPE represents Tanaka Systems, Inc., who is a distributor Asahi Diamond Industrial Products.



MPE provides dicing chucks that fit many machines utilizing tape rings, film frames, and vacuum/mechanical holding methods.

Reconditioning of used chucks is also available.

MPE provides backgrinding wheels that fit all backgrinding machines in many different grit and bond compositions.



