

# Deep One-Pass Full Cutting

Suitable for thick materials

HIGH PRECISION SLICING MACHINE

# SPG-150



## Features

■ **Developed for High-Precision, High-Efficiency Cutting and Grooving of Optical Glass, Ceramics, Crystals, and Steel, etc.**

• The 150 model, a compact version of a medium-sized slicing machine, is capable of full cutting of thick materials in one pass thanks to its thick casting with an appropriate rib structure and its high rigidity, low vibration design based on our unique vibration analysis technology. (The high-powered main shaft motor and ultra-precise, high rigidity spindle enable highly efficient processing that withstands the grinding load compared to conventional dicing and slicing machines.)

• Despite its compact body, it has a left-right stroke of 400 mm, and the coaxial incident-light zoom microscope (optional) for alignment is easy to operate. A CCD and monitor TV can also be attached as necessary.

• Index tables (optional) are available in two types, with minimum resolutions of 0.002 degrees and 0.0001 degrees. The input method is a pulse count type for 0.002 degrees, and a servo type for 0.0001 degrees, and it is possible to store numbers for any number of pulses.

• Each axis (vertical axis/cross axis/longitudinal axis) uses unique precision guides and is NC controlled.

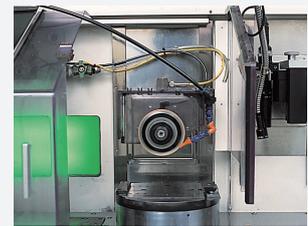
• By incorporating our proprietary balance vector, it is possible not only to correct and monitor the dynamic balance of the grinding wheel spindle, but also to monitor the machining status in-process.



Machine operating panel



Measurement system (microscope type) (OP)



Machine with index table (OP)



Compact size coolant tank (can be selected according to your needs)



Grinding Wheel Balance Measurement



Balance vector NB-3012 (OP)

\*Photographs include optional specifications.