



GenCut GL100E – Low Speed Precision Metallographic Automatic Cutter with User-Friendly Touch Screen Interface with max. cutting diameter of 25mm



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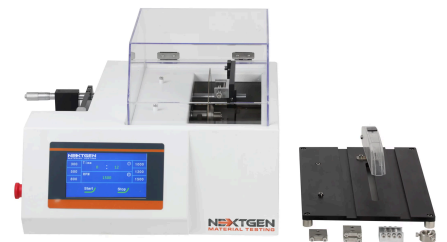


LIFETIME PRODUCT SUPPORT ADVANTAGE

Description

[GenCut GL100E](#) & 100 Series low speed advanced automatic [precision cut-off](#) saw is well established in the metallography industry. This diamond saw precision cutter is a perfect fit for cutting and sectioning a wide variety of small and delicate samples particularly when the material structure is not homogeneous. This precision cut off saw can accept cutting a cutting wheel of 4".

GL100E Series metallographic precision cutter has variable speed control from 50-1000 rpm.. Additionally, GenCut GL 100E cut off saw for metallographic sample preparation comes standard with an automatic shut-off function at the end of each cutting cycle.



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GenCut GL100E Technical Specifications

Model	GenCut GL100E
Cutting Wheel	Ø200xØ32x0.9mm
Motor	300W
Variable Speed	100-1500rpm
Cooling Device	Automatic cycle cooling of cutting fluid (the cutting wheel drives the circulation of the water in the tank to cool down)
Display Panel	7" Touch Screen Controller
Micrometer Travel Range	0-25mm
Position Accuracy	0.01mm
Power Supply	Single phase, AC220V, 50Hz
Emergency brake	Emergency stop switch
Loading weights	0-450g
Dimensions	21.65" x 21.65" x 14.96" / 550 x 550 x 380 mm
Weight	100lbs / 45kg



Standard Configuration

- Cutting Saw
- Single Head Jig
- Double Head Jig
- Irregular Sample Jig
- Flat Clamp
- Water Drop Jig
- Wrench for Changing Blade
- Differential Head
- Inset Sample Jig
- Power Cord and Operation Manual

GenCut GL100E Features

- Two Cutting Modes – Manual or Gravity (weight, counterweight)
- Digital Touch Screen Control with programmable menu structure for a user-friendly operating experience
- Precision cutting off with micrometer head control
- Closed transparent protective cover and safety switch provide protection for operators
- Features a weight sliding loading system to minimize sample damage
- Closed loop control cutting to prevent overload of the motor
- Automatically stops after finishing the cut
- Built-in Movable Coolant Tank
- Compact body, small footprint and convenient operation and maintenance



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Application

Suitable for cutting small, soft, brittle, special-shaped metal materials, composite materials, plastics, electronic components, biological materials, ceramics, cement, rocks and minerals, etc. It is also commonly used for thin-film sample preparation.

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