



GenCut GL350 – Precision Metallographic Sample Cutting Machine with Simple User-Friendly Operation and Large Cutting Capacity $\Phi 100\text{mm}$



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Description

The [GenCut GL350](#) is a cutting-edge high [precision cutting](#) machine equipped with advanced features and capabilities. It offers both automatic and manual work modes, providing flexibility for various cutting tasks. With components such as the body, electric control box, cutting room, motor, cooling system, and cutting wheel, this machine is designed to deliver exceptional performance.

One of the remarkable features of the GenCut GL350 is its ability to cut circular workpieces with a diameter of less than 100mm, as well as rectangular samples with a height of 100mm and a depth of less than 200mm. To ensure the safety of the samples and prevent tissue burning, the machine incorporates a robust cooling system.

This cutting-edge machine allows users to customize the cutting speed within a range of 1-40mm/min, enabling them to achieve high-quality cutting results. With a closed structure design and a large observation window, the GenCut GL350 prioritizes safety and user convenience. It also features a quick clamping mechanism for swift and effortless sample fixation, while key components like the jaw and work surface are constructed from durable stainless materials for a long service life. Additionally, the inclusion of an emergency stop button ensures secure operation, giving users peace of mind during their cutting tasks.

GenCut GL350 Technical Specifications

Model	GenCut GL350
Cutting Wheel	$\Phi 350 \times 2.5 \times \Phi 32\text{mm}$
Maximum Cutting Section	$\Phi 100\text{mm}$
Automatic Cutting Stroke	125mm
Max. Movement of the Table	275mm



Spindle Speed	300-3000rpm
Feed Speed	1-40mm/min
Work Table Size	310 x 280mm
Motor Power	3.3kW
Cutting Room Light	Low Voltage DC Led Lighting
Voltage	220V / 60Hz / 3Phase
Dimensions	33" x 33.5" x 63.75" / 835x850x1620 mm
Weight	Cutter – 396lbs / 180kg; Tank – 55lbs / 25kg

GenCut GL350 Standard Configuration

- GenCut GL350 Cutting Saw
- Coolant Tank
- Coolant Pump
- Wrench 13#-15#
- Wrench 17#-19#
- Water Inlet Tube
- Drain Pipe
- Cutting Wheel
- $\Phi 350 \times 2.5 \times \Phi 32$ mm
- Fast Clamps and Operation Manual

GenCut GL350 Features

- Introducing the GenCut GL350 - a cutting machine that sets the standard for high precision. With its versatile automatic work mode and manual work mode, it offers unparalleled flexibility in operation.
- The GenCut GL350 is expertly constructed with essential components including a durable body, an efficient electric control box, a well-designed cutting room, a powerful motor, a reliable cooling system, a precision-engineered cutting wheel, and other integral elements.
- Pushing boundaries, the GenCut GL350 excels at cutting both circular workpieces with a diameter under 100mm and rectangular samples with a height of 100mm and a depth below 200mm.
- To ensure optimal sample preservation, the GenCut GL350 incorporates a highly effective cooling system, effectively preventing overheating and minimizing the risk of tissue burning during the cutting process.
- Boosting cutting precision and quality, this remarkable machine allows users to precisely set the cutting speed within a range of 1-40mm/min, catering to diverse sample requirements.



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- The GenCut GL350 showcases a closed structure design with a large observation window, prioritizing user safety while maintaining a secure working environment.
- With its quick clamping mechanism, the GenCut GL350 enables easy and efficient sample fixation, streamlining the workflow.
- Durability is key, and the GL350 employs stainless materials for crucial components such as the jaw and work surface, ensuring a prolonged service life.
- Safety is paramount, and the GL350 is equipped with an emergency stop button, further enhancing operational security and peace of mind.

GenCut GL350 Typical Applications

- $\phi 100\text{mm}$ pipe material, wall thickness 6mm
- Solid bar material: Diameter $\leq \phi 100\text{mm}$, hardness $\leq \text{HRC}30$, material: iron base metal
- Diameter $\leq \phi 60\text{mm}$, hardness $\leq \text{HRC}60$, material: iron base metal
- 100mm \times 100mm Angle steel
- 100mm \times 100mm Channel-Section steel

Important Note:

Additional Blades available upon request. Please advise your material type and we can suggest the most suitable blades.

*** Request a [formal quotation](#) or send an e-mail to sales@nextgentest.com for the most up-to-date pricing and applicable discounts and incentives.**

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