



GenCut GL80A – Precision Metallographic Sample Cutting Machine with Simple User-Friendly Operation and Large Cutting Capacity Φ 80mm



ULTIMATE USER-FRIENDLINESS



LEADING DEPENDABILITY AND RELIABILITY



STRICT COMPLIANCE WITH INDUSTRY STANDARDS



STOCKED CONSUMABLES AND SPARES



TRUSTED AFTER SALES TECHNICAL SUPPORT



LIFETIME PRODUCT SUPPORT ADVANTAGE



Description

Introducing the [GenCut GL80A](#), a highly [precise cutting](#) machine offering both automatic and manual work modes. Comprising essential components such as the body, electric control box, cutting room, motor, cooling system, cutting wheel, and more, this machine is a comprehensive solution for your cutting needs.

With the GenCut GL80A, you can effortlessly cut circular workpieces with a diameter of under 80mm, as well as rectangular samples with a height of 80mm and a depth of less than 200mm. Its versatility ensures it meets various cutting requirements.

To safeguard your samples from overheating and tissue damage during the cutting process, the machine features an efficient cooling system. This technology guarantees optimal cutting results while maintaining the integrity of your materials.

GenCut GL80A Standard Configuration

- GenCut GL80A Cutting Saw
- Coolant Tank 50L
- Coolant Pump
- Wrench 12-14mm
- Wrench 24-27mm
- Wrench 36mm
- Water Inlet Tube
- Drain Pipe
- Cutting Wheel
- Φ 350 x 2.5 x Φ 32mm
- Fast Clamps (Left and Right) and Operation Manual



Designed with a closed structure and a large observation window, the GenCut GL80A prioritizes user safety without compromising visibility. You can work confidently knowing that precautions have been taken to create a safe and secure environment.

With its quick clamping mechanism, sample clamping becomes a breeze, saving you time and effort. The GenCut GL80A streamlines your workflow, enabling you to focus on the task at hand. For enhanced durability, the machine's main components are constructed using stainless materials, ensuring a long service life. You can rely on the GenCut GL80A to withstand frequent use and deliver consistent performance.

The GenCut GL80A offers high precision cutting capabilities with automatic and manual work modes. Its robust construction, user-friendly features, and safety mechanisms (emergency stop) make it a reliable choice for a wide range of cutting applications.

GenCut GL80A Technical Specifications

Model	GenCut GL80A
Cutting Wheel	Φ350×2.5×Φ32mm
Maximum Cutting Section	Φ80mm
Max. Movement of the Table in the Y Axis	275mm
Spindle Speed	Constant Speed 2100rpm
Cutting Speed	0.01 – 1mm/s
Cutting Table Size	310 x 280mm
Clamping	Fast Action Left and Right Vise (Included)
Feeding Modes	Automatic mode: Cutting wheel moves automatically in the Y axis (forward - backward), and automatically returns to the original position after cutting is done. Manual mode: Rotate handwheel to move the work table forward/backward in Y direction
Automatic Cutting Mode	Intermittent Cutting (Metal Workpieces) and Continuous Cutting (Non-Metal Workpieces)
Reset Mode	Automatic Reset
Cooling System	Automatic Water Cooling with 2 Nozzles
Water Tank	50L



NEXTGEN MATERIAL TESTING

YOUR QUALITY TESTING CHOICE

Data Display	LCD Digital Display
Cutting Chamber Housing	Steel Plating
Cutting Light	Low Voltage DC Led Lighting
Motor Power	3kW
Voltage	220V 50/60Hz 3 Phase
Dimensions & Weight	35" x 31.25" x 23.63" / 462lbs 887 x 795 x 600mm / 210kg

* 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.