GD Quantum F4

GD Quantum F4
Digital Label Die Cutting Machine

The GD Quantum F4 by Gulmen Digital is a high-performance digital label die-cutter designed to deliver speed, accuracy and flexibility for modern label production. Built with advanced automation, it features four cutting heads and five slitting units, supported by a rewinder and a reliable waste removal system. The machine automatically adjusts blade distance, tension and cutting files, while job changes can be triggered through digital codes or QR recognition. This reduces setup time and ensures smooth workflow transitions for varied production runs.

The GD Quantum F4 handles roll-to-roll operations with a maximum roll diameter of 500 mm and can process media widths up to 330 mm. With a cutting precision of 0.1 mm and speeds up to 9 m/min, it is suited for both short and medium-volume jobs that demand consistent quality. Operators benefit from user-friendly software that supports PLT, DXF and PDF formats, allowing for straightforward file preparation and automatic optimisation.

Compact yet robust, the machine measures 1540 × 1005 × 1636 mm and weighs about 980 kg. Powered by 220V AC, 2000W, it connects via USB or Ethernet. The GD Quantum F4 is a versatile industrial solution for professional label converters seeking efficiency and reliability in digital finishing.

SPECIFICATION

• Cut mode	Roll-to-roll (fly)
• Blade dropping mode	Clutch
• Blade depth adjustment	Manual rotate
• Technology	Solenoid
• Max roll diameter	500 mm
• Cut speed	Up to 9 m/min (4 cm × 15 cm)
• Cut precision (repeat)	0.1 mm
• Media width	100–350 mm
• Max label width	330 mm
• Max label length	500 mm
• Cut track	Single eye mark / Double eye mark / CCD camera
• Cut head quantity	4 sets
• Slitter quantity	5 sets (up to 15 sets)
• Rewinder	1 set, 3″ core
• Machine size	1540 × 1005 × 1636 mm
• Machine weight	≈ 980 kg
• Power supply	220 VAC, 2000 W
• Data transfer	USB 2.0 / Ethernet 10/100Base-T / GPIO
• Software	Mini SW v1.0

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