

BGM Elite SDi Servo Die Cutting Inspection Slitter Rewinder



Benefits

- The machine delivers two machines in one with a compact foot print
- Easy load die station vastly improving operator handling and set-up times
- BGM's own intelligent taper tension control system achieving a perfect profile every time on a multitude of substrates
- The operator touch screen enables quick and easy set-up functions with full machine diagnostics

This high specification servo driven die cutting Inspection Slitter Rewinder is compact and robust, capable of die cutting, slitting and rewinding a wide variety of substrates at speeds of up to 250m/min.

This die cutting machine can also be used as a conventional label inspection slitter rewriter, maximising your finishing departments' capabilities. It is fitted with BGM's own intelligent taper tension control system, achieving a perfect rewind profile every time on a wide variety of substrates.

Our outstanding plain label converting slitting machine is equipped with BGM's unique easy load die cutting station. This enables the operator to effortlessly load the dies into the machine, since the weight of the die is supported by the bottom guide rail. This technique vastly improves operator setup and handling time and also reduces the risk of damage as a result of incorrect loading – a common occurrence in conventional die station loading situations. The robust die station accommodates most styles of dies, utilising customers' existing dies and minimising tooling costs.

FULL SPECIFICATION ON REVERSE

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BGM Elite SDi Servo Die Cutting Inspection Slitter Rewinders

Standard Features:

Web Width

- 410mm (16") web width
- 370mm maximum die cut width

Unwind

- 2000 linear metre unwind capacity - diameter 700mm (27.5")
- 76mm (3") air expanding unwind mandrel
- Electromagnetic particle brake
- Ultrasonic roll compensation
- Digital roll end facility – operator is able to adjust the roll end diameter on the touch screen

Inspection Table

- Inspection view area 1140mm long x 470mm wide
- Fixed master roll splice table
- Dual air operated master roll web clamps (fully interlocked)

Web Guide

- Electronically controlled web guidance system
- Ultrasonic sensor for clear and opaque materials
- Easy set-up function

Adjustable Splice Table

- Inspection view area 590mm long x 470mm wide
- Splice table adjustment from centre position +/- 70mm
- Dual air operated web clamps (fully interlocked)

Easy Load Rotary Die Station

- 1/8 CP 20 degree pressure angle
- Fully through core hardened anvil
- Waste capstan roller with adjustable tension control
- Waste rewind independently driven ensuring outstanding matrix stripping with adjustable tension control
- 76mm (3") mechanical waste rewind mandrel
- Easy load die station

Servo Driven Draw Roller

- Nip roller impression air operated
- Silicone covered gear driven nip roller
- Motion controller servo driven

Rotary Sheer Cut Slitting System

- Unique quick set-up cartridge system
- Lateral cartridge adjustment +/- 8mm from datum point
- Datum point for ease of set-up
- Minimum slit width 13mm
- 3 Complete sets of blades supplied
- Fully interlocked guards

Servo Driven Rewind System

- Motion controller servo rewind system
- BGM's intelligent taper tension control system
- 1000 linear metres capacity - diameter 406mm (16")
- Air expanding rewind mandrel
- Fully interchangeable rewind shaft (quick release)
- Label in - Label out facility on finished roll

Touch Screen Interface

- HMI operator interface
- Full machine diagnostic on interlocks
- Machine mode status
- Counter facilities
- Digital roll end facility
- Converter chart metres to feet - feet to metres, including label converter
- Variable machine speed set through touch screen interface
- Job memory storage facility

Counter Facility

- Label counter
- Linear metre counter
- Total counter
- Batch counter
- Counter password protection (enables production to calculate productivity output for individual shifts)
- Fully automatic slow down and stop facility, once label/metre length is programmed machine will automatically calculate slow down and stop values, regardless of running speed

Machine Speed

- Variable speed up to 250m / min (820 ft / min) dependant on application and substrate

Machine Warranty & Certification

- 12 month parts warranty, ex works, Bradford, England
- 36 month BGM manufactured in-house parts warranty
- Warranties subject to manufacturers/suppliers terms and conditions
- CE conformity certificated

Machine Requirements




- 230V 16 amp single phase electric
- 80 psi - 5.5 bar air



OPTIONAL EQUIPMENT AVAILABLE UPON REQUEST

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