

BGM Elite Masterflex Flexographic Re-Register Converting & Finishing Line



Benefits

- Outstanding performance, re-register printing and rotary die cutting at speeds of up to 160m/min
- Automatic print to print and die cut registration with massive savings on set up time and waste
- Very flexible and versatile, achieving a multitude of printing and converting finishing processes
- Maintains re-registration tolerances throughout acceleration and deceleration, not only at constant speed
- User - friendly touch screen with easy navigation, job load memory & machine diagnostics functions

This full servo re-register flexographic die cutting, converting and finishing system is extremely flexible & robust. The Masterflex has been developed to print, apply additional coatings, die cut, slit and rewind all in register, either in one or multiple passes.

The Masterflex's servo technology ensures that accurate re-registration is maintained throughout all processes, allowing printed die cut labels to be in perfect registration. The versatile flexographic print stations and die cutting stations can re-register at speeds of up to 160m/min.

What makes this system really stand out though is its versatility and flexibility, as the modular design offers an array of configuration packages.

FULL SPECIFICATION ON REVERSE

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Standard Features:

Unwind

- 2000 linear metre unwind unit - diameter 700mm (27.5")
- 76mm (3") air expanding unwind mandrel
- Variable tension control
- Electromagnetic particle brake
- Ultrasonic roll compensation
- Digital roll end facility, adjustable on HMI touch screen

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)

Web guide

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

Servo Flexo Print Stations

- 13" Flexo Print module 2 stations independently servo driven
- 1/8 CP gearing
- Print cylinder lateral adjustment
- 360 deg rotation
- Auto lift impression
- Pneumatic print cylinder impression
- Continuous rotating anilox
- Quick release print cylinder, ink pan & doctor roll
- Automatic print cylinder home positioning system
- Hot air drying (UV optional)

Servo Rotary Dual Die Stations

- Servo driven Die Cut To Register system
- 1/8 CP 20 degree pressure angle
- 2 x through core hardened anvils
- Removable anvils
- Laterally adjustable die stations
- 2 x waste capstan roller with fully adjustable tension control
- 1 x waste rewind independently driven ensuring outstanding matrix stripping and fully adjustable tension control
- 76mm (3") mechanical waste rewind mandrel

Servo Draw rollers

- 2 x Nip driven silicon coated pneumatic impression on / off
- Motion controller servo driven

Slitting System

- Unique Rotary Cartridge system
- Lateral cartridge adjustment +/- 8mm
- Datum point for ease of set-up
- Minimum slit width 13mm
- Fully interlocked guards

Rewind system

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

HMI Operator Interface

- HMI operator interface
- Full machine diagnostic on interlocks
- Machine mode status
- Counter facilities
- Digital roll end facility
- Variable machine speed set through touch screen interface
- Job memory storage facility

Counter Facility

- Label counter
- Linear metre counter

Machine Speed

- Variable speed 160 metres / min (525 feet / 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




- Electricity supply 3 phase 63 amps
- Air supply 80 Psi - 5.5 bar



OPTIONAL EQUIPMENT AVAILABLE UPON REQUEST



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