

manufactured by **abg**
International

SPECIAL
RESERVE

digicon

Digital Finishing Machines



Digicon Series 3 | Digicon Lite 3 | Digilase | Digicon 3000

Over 60 years of heritage and innovation create the
perfect finish

Your customers depend on you to deliver the very highest quality, in full and on time. Nothing else will do. Your reputation depends on it and our equipment will not let you down.

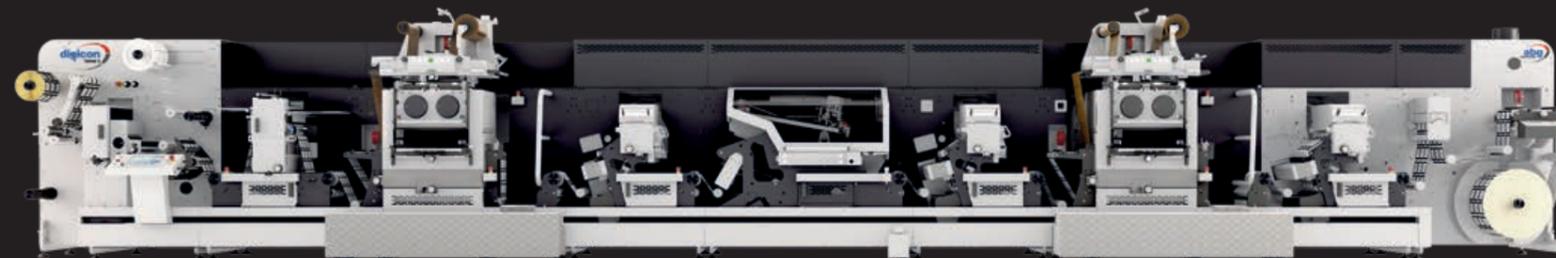
How can we be sure? That's easy. Our equipment is unrivalled because it has been tried and tested over 60 years.

We have been manufacturing innovative print finishing equipment for over 60 years, and our technology has been perfected with our customers' feedback.

It is only by having equipment out there, across the world, working hard for our customers day in day out, that we can understand how to make it better. It is an evolutionary process that takes place over many years, and there are no shortcuts.

The fact that we have been designing and developing finishing equipment for so long, and that we have installed 11,000 machines worldwide for 2,500 customers, speaks for itself.

Our foundations are solid, our technology is proven and our customers return for more. All of this means that you can invest with confidence. It helps too that we are a friendly, family run but global business that cares about its customers and is determined to help them succeed.



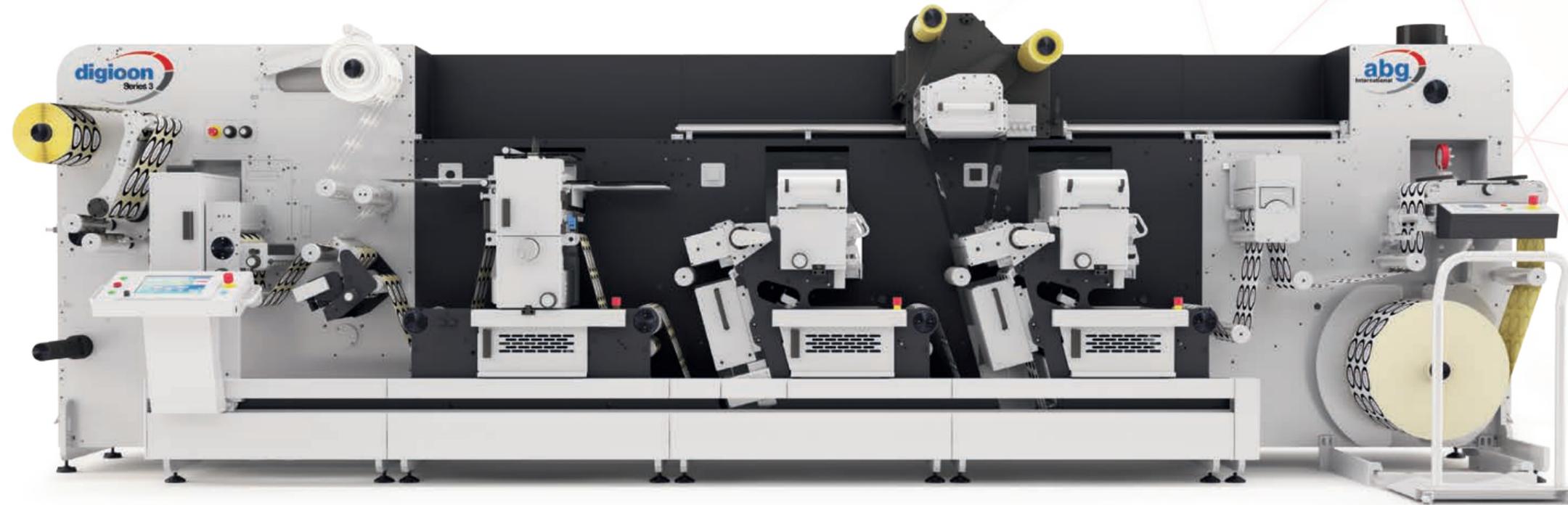
A new world of finishing



Add value to your digital printing

Digicon Series 3 systems are modular in design, so that they can be tailored to meet individual needs and create a clear, competitive advantage for any print business.

Over 1000 digital machines installed worldwide



Features & Benefits

- **Accurate** - built with precision to ensure consistent results
- **Flexible** - with modules and options to give you a competitive edge
- **Easy-to-use** - with intuitive controls and low-cost maintenance
- **Time saving** - with a wide range of automated functions
- **Fast** - able to keep pace, inline, with the latest digital print engines
- **Roll-to-roll, or roll-to-sheet** - for any digital printing application

Technical Specification

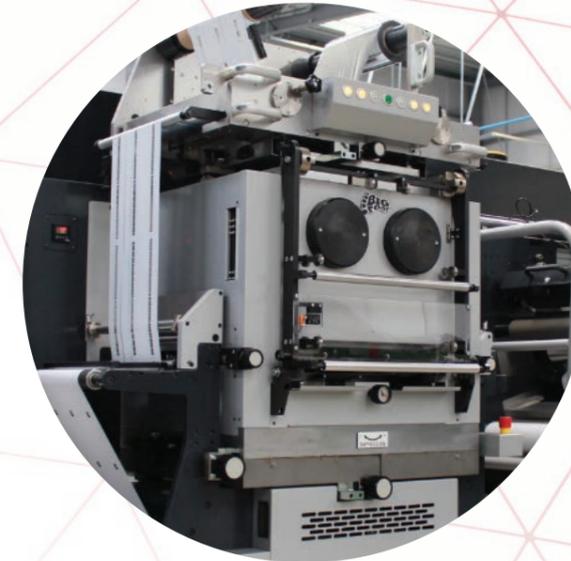
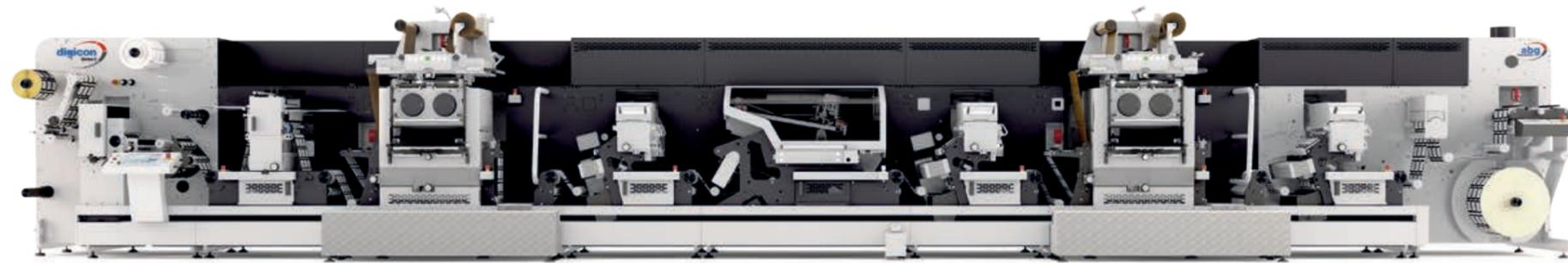
Maximum web width	350mm (13.8")
Maximum speed	Full rotary - 150m/min (492ft/min) Semi rotary - 64m/min (210ft/min)
Maximum unwind roll diameter	800mm (31.5")
Standard unwind mandrel	76mm (3")
Flexographic unit type	Full rotary/Flood coating/Semi rotary
Maximum printing width	330mm (13")
Minimum/maximum plate cylinder	254mm (10")/647.7mm (25.5")
Ink drying	GEW E2C UV drying or hot air
Die cutting unit type	Semi rotary
Maximum die cut repeat	622.3mm (24.5")
Minimum/maximum tool repeat	304.8mm (12")/647.7mm (25.5")
Maximum matrix rewind roll diameter	800mm (31.5")
Maximum rewind roll diameter	600mm (23.6") optional 800mm (31.5")
Standard rewind mandrel	76mm (3")



Beverage specification

Foil, emboss or screen varnish - whatever your customer wants, the Digicon Series 3 has a modular solution for you.

Perfect for premium labels, you'll be impressed by the quality the Digicon produces. And, by using our intelligently designed modules, embellishments can now be achieved at competitive production speeds without compromising quality.



Other modules to give you a competitive advantage

Peel and reveal labels - allow you to increase the amount of information the label can display; it's also popular for novelty labels. By selecting our crossover unit alongside delam/relam and turnbar modules it allows you full flexibility for multi-ply labels.

Lamination in register - allows you to produce full width, larger, multi-layered labels by laminating a pre-printed web to the main web in perfect register.

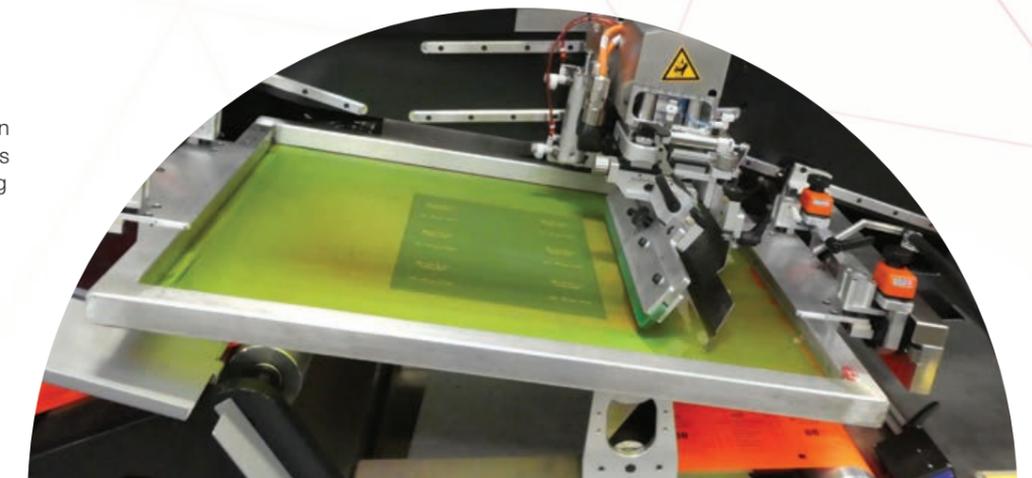
Rail mounting system - our rail mounting system gives greater flexibility for mounting turnbar and lamination options, giving you more label finishes to offer your customers.

Big Foot 50 tonne capacity hot foil/embossing module

Using 50 tonnes of pressure you can guarantee your customers' labels will jump off the shelves. Giving excellent hot foil coverage, the Big Foot allows foil to be stamped across and along the web, so you can create high quality unique labels and, cost effectively by using foil save! It literally raises embossing to new levels.

Screen module

With our screen module running at twice the speed of its predecessor, your customers can now have superior quality screen varnish on their labels, whilst you increase your margins. It also has a repeat length that makes it compatible with the Big Foot allowing the two modules to run together to produce the finest of labels.





Increase your productivity

Time saving options

Need to speed up production in your finishing department?

The FAST Track die (UK Patent Number GB2539385/PCT application PCT/GB2016/000102) is a semi-rotary die that runs up to 150 metres per minute.

To automate further, add on the SGTR AutoSet glueless turret rewinder which, if chosen as an option, has quick change mandrels allowing for different sized cores without compromising production speeds. Perfectly seal your labels with the print and apply applicator or, when combined with a camera, identify less than perfect rolls.



Other automated features



Inline/offline operation

Have the flexibility to finish labels either inline or offline with the use of our digital interface.



Automatic die plate mounting/removal system

Every time you change jobs, flexible dies are mounted accurately and precisely with high resolution cameras.



Iscore automatic back scorer

Automatically set your backscorer, minimising production down time.



Autoslit with label gap sensor

Speed up job changes with this automatic slitting system that has an inter-label gap sensor.



Lite 3

The Digicon Lite 3 is an entry level, compact digital finishing system built to the same exacting standards as the larger, market leading Digicon Series 3.

Capable of running at 64 metres per minute in semi rotary, it can operate in line (right to left only) or stand-alone.

It provides an excellent solution for day-to-day applications, and can provide additional capacity at busy times. The Digicon Lite 3 is easy to use and can be specified with a wide range of options to give your business a clear, competitive advantage.



Features & Benefits

- **Cold foiling** - produces a great foil finish with a standard flexo plate
- **Super varnish** - produces a premium, high gloss finish
- **Autoslit with label gap sensor** - saves time by automatically setting knives
- **Iscore** - saves time by automatically setting back scoring knives
- **Sheeter** - enables you to finish sheets as well as web

Technical Specification

Maximum web width	350mm (13.8")
Maximum speed	Full rotary - 150m/min (492ft/min) Semi rotary - 64m/min (210ft/min)
Maximum unwind roll diameter	800mm (31.5")
Standard unwind mandrel	76mm (3")
Flexographic unit type	Full rotary flood coating
Maximum printing width	330mm (13")
Minimum/maximum plate cylinder	254mm (10")/647.7mm (25.5")
Ink drying	GEW E2C UV drying
Die cutting unit type	Semi rotary
Maximum die cut repeat	622.3mm (24.5")
Minimum/maximum tool repeat	304.8mm (12")/647.7mm (25.5")
Maximum matrix rewind roll diameter	800mm (31.5")
Maximum rewind roll diameter	600mm (23.6") optional 800mm (31.5")
Standard rewind mandrel	76mm (3")



Digilase Series 3

The Digilase Series 3 is an innovative digital finishing machine, with state of the art laser cutting technology.

Traditional die cutting tools are not required, which saves capital investment, set up time, waste, storage space and the need for heavy manual lifting.

This means that both short and long runs can be processed quickly, so that you can offer same day delivery for a wide range of labels.



Features & Benefits

- **Easy to use** - with an intuitive touch screen control, simply download the file from the pre-press department and the Digilase Series 3 is ready to start producing.
- **Time saving** - there's no need to stop the machine to change dies between jobs. Back scoring and slitting knives can be, as an option, automatically set, enabling changeovers to take place on the fly.
- **Precise** - can produce intricate shapes, fine contours, sharp corners and through cutting, with pin-point accuracy and minimal wastage.
- **Intelligent** - with possible MIS integration and job data storage using JDF/JMF files.
- **Creative** - there are no limits when it comes to creativity, with kiss cutting, engraving, through cutting and bit removal.
- **Versatile** - it can produce labels on any material, with just two exceptions: PVC and full PE. However blended PE is possible to be laser cut with a very high quality result.
- **Fast and accurate** - it can run at up to 100 metres per minute, with continuous mode cutting, across a 330 mm web.
- **Flexible** - able to run multiple jobs in a single roll.

Technical Specification

Laser beam	120 micron
Laser heads	2 x CO ₂ sealed 200watt each
Maximum web width	330mm (13")
Maximum speed	100m/min (328ft/min)
Maximum unwind roll diameter	800mm (31.5")
Standard unwind mandrel	76mm (3")
Unlimited shape variations	-
Wide range of applications	-
Automatic job-change workflow	-
Suitable for a wide range of substrates	-
Maximum matrix rewind roll diameter	800mm (31.5")
Maximum rewind roll diameter	600mm (23.6") optional 800mm (31.5")
Standard rewind mandrel	76mm (3")



Digicon 3000

The Digicon 3000 is a uniquely versatile 762mm (30") finishing line for digitally printed self adhesive labels, shrink sleeves, flexible packaging and point of sale materials.

In short, the Digicon 3000 can do it all - from rotary and semi-rotary printing and die cutting to laminating, slitting, decoration and perforation. The possibilities are endless. Fully compatible with the HP Indigo 20000 digital press, the Digicon 3000 is able to work off-line as a stand alone solution or in-line in order to print and finish in a single pass.

All Digicon 3000 systems are configured to meet individual finishing requirements, whether for labels, flexible packaging or both. So, by investing in a Digicon 3000, you can be certain to meet your customers' needs. You will also be able to offer shorter runs, higher quality, greater complexity and faster delivery.



Features & Benefits

- **Fast - maximum speed full rotary** - 100m/minute (300ft/minute). Maximum speed semi-rotary - 65m/minute (215ft/minute)
- **Accurate** - semi-rotary print and die cutting operation, re-registers every repeat
- **Versatile** - UV, water or solvent-based inks; substrates ranging from 12-600 microns (4-24pt)

Technical Specification

Maximum web width	762mm (30")
Maximum speed	Full rotary - 100m/min (330 ft/min) Semi rotary - 65m/min (215 ft/min)
Minimum/maximum print & die cut repeat	254mm (10") / 762mm (30")
Maximum unwind/rewind roll diameter	800mm (31.5")
Standard rewind mandrel	76mm (3")

Service & Support

Our business's success depends upon the capability and reliability of our machines and we understand that your business's reputation does too. It is why we put so much effort into getting things right, first time, every time.

It's essential of course that each machine and every component is fit for purpose and reliable, having been tried, tested and refined. This enables our customers to trust our equipment and go on, in large numbers, to invest in more.

However, parts can wear out over time and all equipment must be regularly serviced to ensure the best output. And, occasionally, things can go wrong. When the worst happens, it's incredibly important to have a responsive, understanding service partner that can get you back up and running as soon as possible.

We believe that you can tell the quality of any business by the way it deals with problems. Our customers tell us that we are the best. With service teams ready to help across the globe, and an extensive stock of spare parts for almost every piece of equipment we have ever built, we are ready and able to help.

So confident are we in the effectiveness and reliability of our equipment, that we offer a comprehensive one-year parts and labour guarantee. We provide this service through our wholly owned companies in the UK, Germany, USA, France, Holland and Spain. Elsewhere, aftersales support is delivered by our distribution partners.

Images may show options not included on standard machines.

Contact us

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