manufactured by **abg** International

omega

Inspection Slitter Rewinders
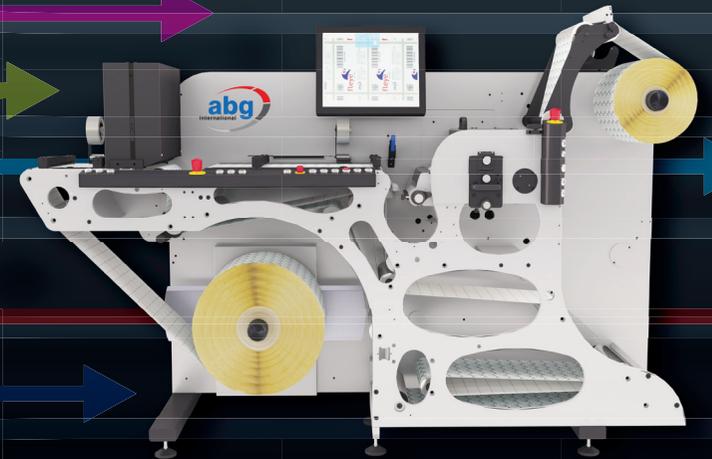
Over 60 years of heritage and innovation create the

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.

OVER 60 YEARS'
EXPERIENCE

OVER 300 EMPLOYEES

OVER 9000m² OF
MANUFACTURING FACILITIES

OVER 60 DISTRIBUTORS
WORLDWIDE

OVER
11,000 MACHINES
INSTALLED

2
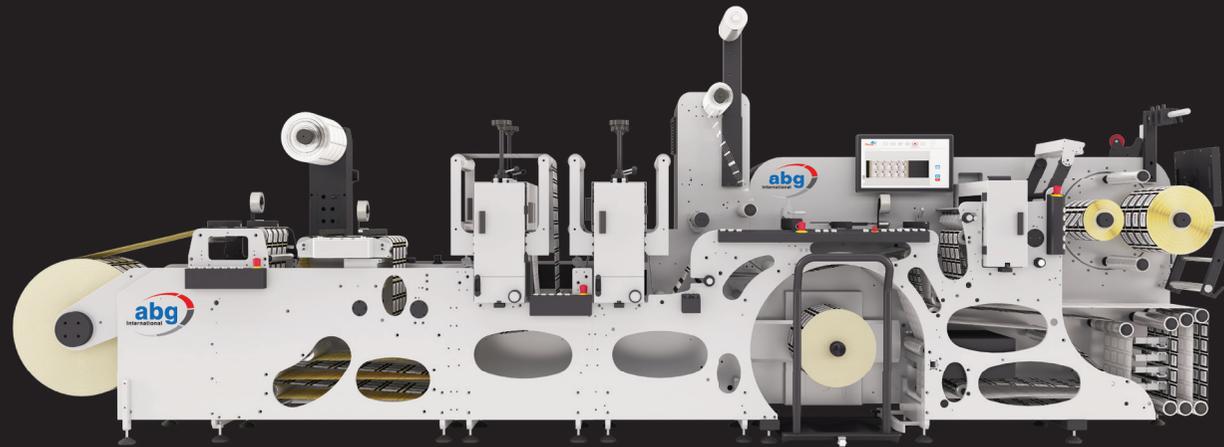
A new world of finishing

Our inspection slitter rewinders are used in finishing departments worldwide. Instead of relying on a third-party camera system, they can be equipped with our own fleyeVision 100% inspection system. This ensures that everything works seamlessly together, with a single supplier for on-going service and support.

With models to suit general, as well as specialist clinical and pharmaceutical applications, our range of slitter rewinders can be adapted to meet your needs exactly. Designed and manufactured to deliver outstanding performance, they are capable of boosting productivity and guaranteeing quality.

Omega Horizon

The Omega Horizon is a multifunctional, bidirectional servo-driven lay flat rewinder solution.

It is designed to enable you inspect and re-work single lanes and can be upgraded with our very own fleyeVision 100% print inspection system.

This rewinder is suitable for pharmaceutical applications by selecting the fully integrated backside/frontside numbering.

Features & Benefits

- Perfect tension control
- Simplistic tool-less mandrel exchange allows special soft roll handling
- Quick release, adjustable splice table for precise finishing (option)
- Height adjustable for standing or sitting operation

Standard Specification

Maximum web width	210mm (8")
Maximum running speed	200m/min (656.168ft/min)
Maximum roll diameter	400mm (16")

Omega 150

The Omega 150 is a servo driven, compact, bi-directional, single lane, table top, inspection slitter rewinder.

Designed to enable you to inspect, rewind, correct and re-inspect to produce a perfect roll of labels, it is ideal for pharmaceutical or high security applications.

Equipped with fleyeVision, our own 100% print inspection system, accuracy and seamless operation are guaranteed. The Omega 150 can also be fitted with an ink jet printer to allow sequential numbering, barcodes and sell by dates to be applied in a single pass.

Features & Benefits

- **Accurate** - 100% of errors are detected, corrected and re-inspected.
- **Precise** - with metre count, label count and diameter reconciliation.
- **Versatile** - integrated controller for back and front side printing, adjustable web tensions.
- **Easy-to-use** - quick to set up and simple to adjust.
- **Optional** - Inkjet DOD and laser integration.
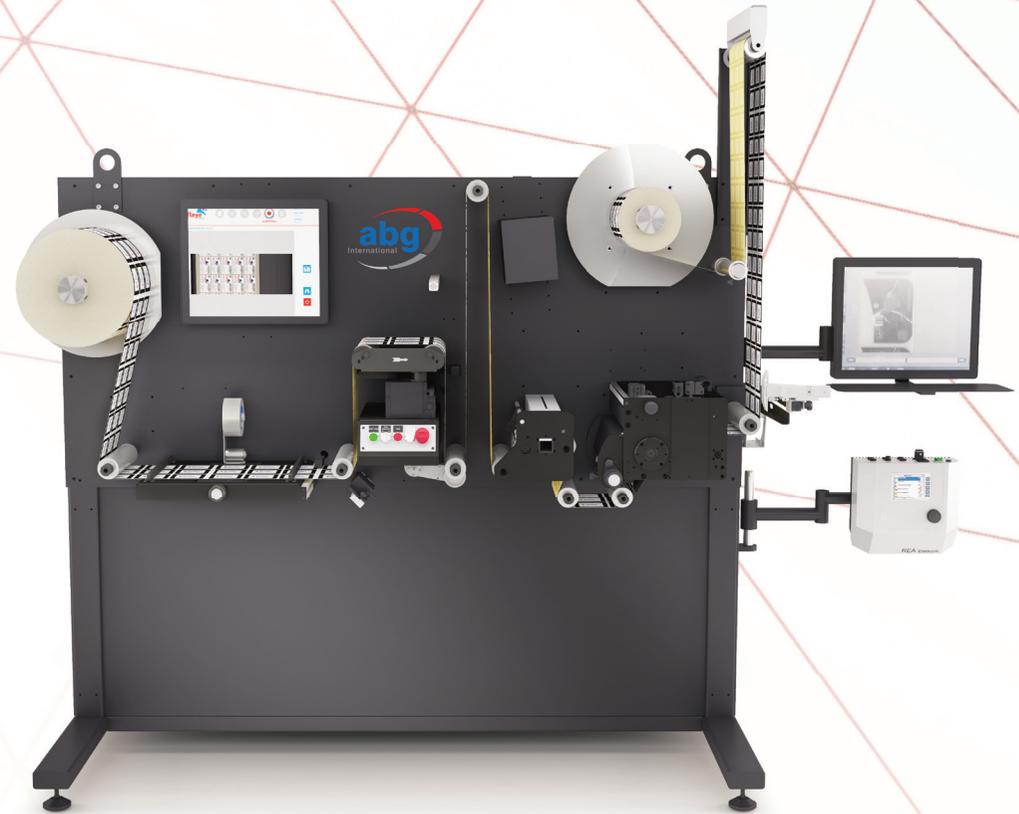
Standard Specification

Maximum web width	210mm (8")
Maximum speed	150m/min (492 ft/min)
Maximum roll diameter	400mm (16")

Omega SRI

The Omega SRI is a powerful, efficient and versatile label finishing system, which offers three high speed functions: slitting, rewinding and inspection.

It is also unique, in that it is the only machine available that doesn't rely on a third party inspection system. Instead, it is fitted with our own 100% fleyeVision inspection equipment, which means that everything works perfectly and effortlessly together. All three processes are controlled and monitored by a single, multilingual and easy-to-use touchscreen display.

Combining a high level of automation, advanced motion technology and a wide range of innovative features, the OMEGA rewinder range is a clear market leader - with over 2,000 systems installed worldwide. Offering fast set up and processing speeds of up to 350 m/min, the Omega SRI delivers outstanding efficiency and productivity.

Compact in design, the Omega SRI can be configured to meet your individual requirements with a wide range of modular add-on options.
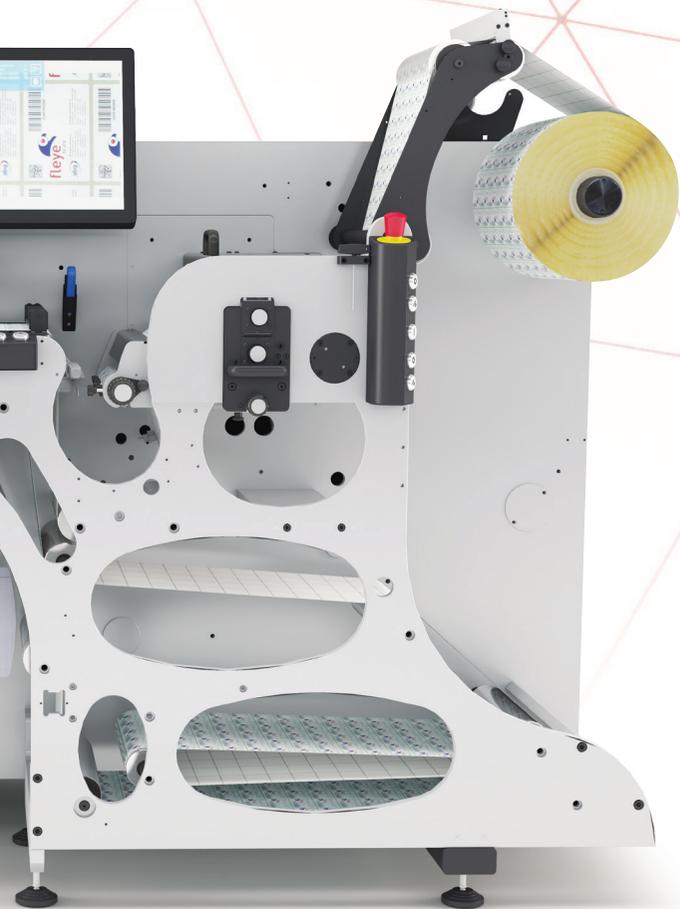
Features & Benefits

- **Versatility** - ideal for a wide range of applications and materials.

- **Advanced servo technology** - ensures perfect web control, with adjustable web tension and integrated web guide.

- **Quick set up and change over** - JDF/JMF ready with pre-defined jobs and job repeat functions; easy to adjust knives on slide out shafts.

- **fleyeVision** - up to 8K resolution, delivers 100% detection of errors and full quality control.

- **Ergonomic** - user friendly, with a choice of standing or sitting operating positions.

- **Counting options** - including number of labels, diameter at rewind roll, web length.

- **Waste reducing** - with a short web path, and adjustable end of roll stop.

- **Choice of web widths** - 330mm, 430mm and 530mm.

- **Moveable web clamps** - allow for the easy replacement of long or short labels.

Standard Specification

|	
Maximum web width	330mm (13") / 430mm (17") / 530mm (21")
Maximum speed	350m/min (1150 ft/min)
Maximum unwind roll diameter	800mm (31.5")
Maximum rewind roll diameter	500mm (19.5") optional 600mm (23.5")

Omega SRI Pharma

100% inspection

New undirectional pharma workflow, the Omega SRI Pharma with significant higher inspection speed and higher productivity.

How it works

- The inspection of the label is done at the first camera system

- Defect labels will be stopped at the 2nd splice table to be accepted or exchanged by operator

- Re-inspection of exchanged labels at second camera system

- Defect labels will be stopped at 3rd splice area, acceptance or exchange to be signed by supervisor
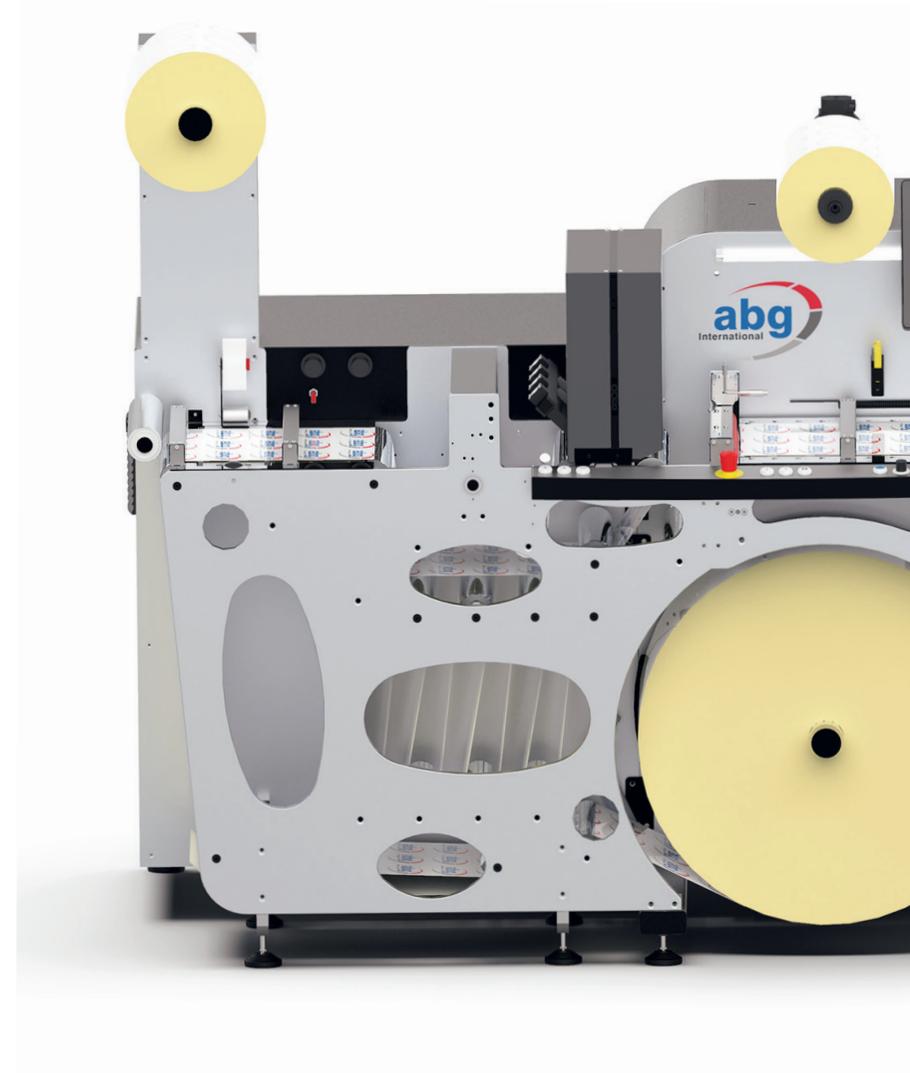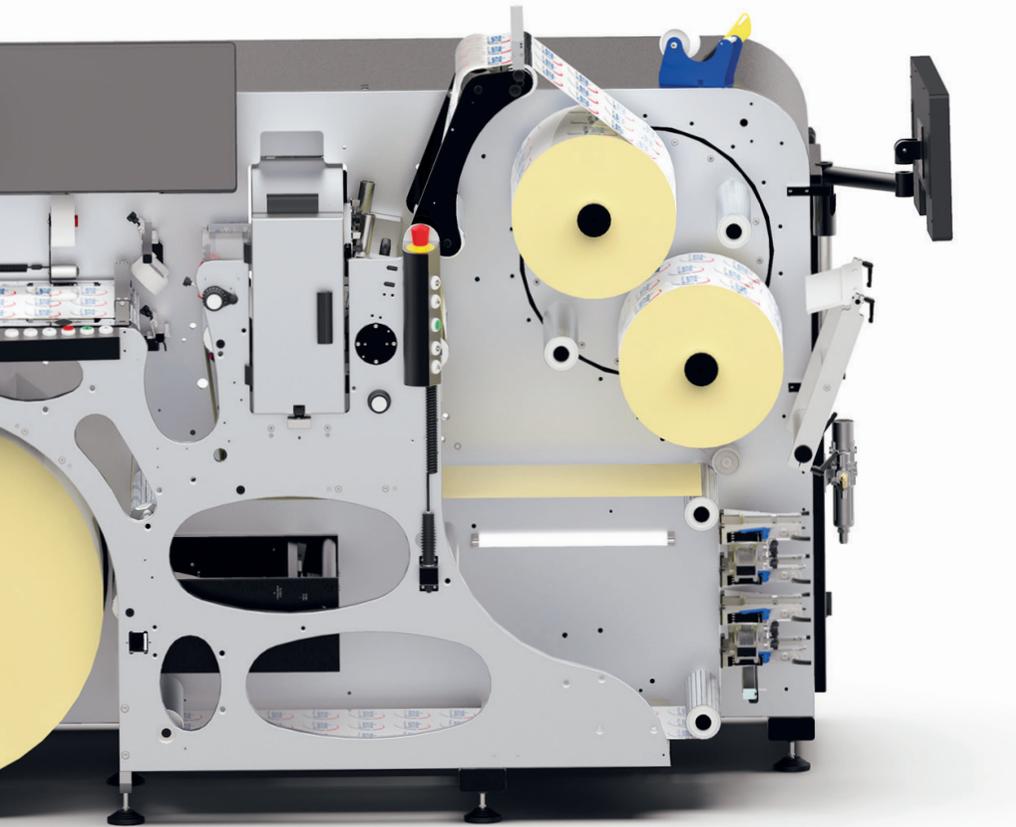
Features & Benefits

The fully integrated fleyeVision inspection control with complete touchscreen operation and moduls like barcode or OCR inspection complete the picture.

Adjustable web clambs allow a variable splicing area to glue in even larger labels without a problem.

The modular concept offers you a wide range of configurating the SRI to your needs including latest options as autoSlit or autoCut .

Standard Specification

Maximum web width	330mm (13") / 430mm (17") / 530mm (21")
Maximum speed	350m/min (1150 ft/min)
Maximum unwind roll diameter	800mm (31.5")
Maximum rewind roll diameter	500mm (19.5") optional 600mm (23.5")

Omega 510

The Omega 510 is a versatile uni or bidirectional rewinder with integrated inspection system.

Capable of rewinding, converting, inspecting and numbering, as well as handling foil, blister material and booklets. The Omega 510 is the ideal machine for any application. Equipped with fleyeVision, our own 100% print inspection system, accuracy and seamless operation are guaranteed.

Modular in design, with a wide range of options, it can be tailored to meet your needs exactly. Servo driven technology, advanced engineering, advanced SPS/PC control and JDF compatibility mean that whatever you need your Omega 510 to do, it can deliver. You can invest with confidence, your reputation is safe in our hands.

10

Features & Benefits

- **Automatic workflow** - quick to set up, easy to operate and timesaving.

- **Choice of scissor, razor or crush knife slitting** - with range of cutting options – for any application.

- **Web guides at unwind and rewind** - for accurate web handling.

- **Choice of print systems and booklet capability** - to meet your customer's needs.

- **Remote support via the internet** - to resolve issues quickly and maintain output.

- **Optional sensors** - to inspect clear on clear labels or print.

Standard Specification

Maximum web width	330mm (13") /430mm (17")
Maximum speed	200m/min (656 ft/min)
Maximum roll diameter	700mm (27.5")

Omega 2010/3010

The Omega 2010/3010 is the solution you need if you want to inspect, rewind, print and cut in one timesaving operation.

Any error which is detected by fleyeVision, our own 100% print inspection system, will stop the web, under full control. The defective label will be positioned back in front of the camera using the material from the web buffer. The label can then be inspected and corrected by the operator. Once corrected, it is inspected again, the buffer refills and the web moves on.

The 2010 is designed for labels whilst the 3010 – thanks to its large diameter rollers and third web guide – is suitable for booklets. Otherwise the 2010 and the 3010 work in the same way and can be tailored to your requirements, with a wide range of versatile options and modules.
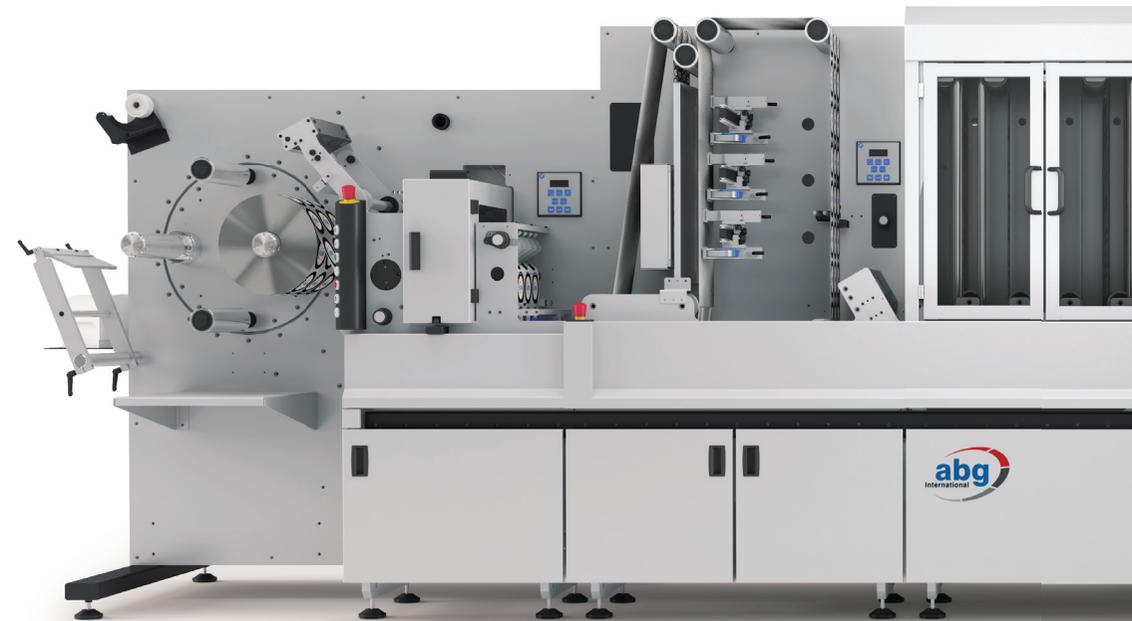
Features & Benefits

- **Ink jet numbering** - fully integrated and easy to set up.

- **Choice of fleyeVision 100% print, UV barcode, ultraviolet and braille inspection** - to meet your quality assurance requirements.

- **Optional fleyeVision OCR** - camera inspection of the back-side numbering.

- **Camera controlled slitting unit** - to deliver the accuracy you need.

- **Optional leader and trailer** - for the fully automatic label dispensing for leader and tails.

Standard Specification

Maximum web width	330mm (13") /430mm (17")
Maximum speed	200m/min (656ft/min)
Maximum unwind roll diameter	700mm (27.5")
Maximum rewind roll diameter - 2010	500mm (20")
Maximum rewind roll diameter - 3010	700mm (27.5")

With accuracy guaranteed, the Omega 2010/3010 is ideal for high volume pharmaceutical and high security applications.

Omega SRI Inkjet

The Labels are printed at the Domino K600i inkjet module with GEW drying unit and inspected by AB Graphic fleyeVision print face inspection sstem.

In case of defect or stop the last printed label will be dried and positioned backwards in front of the inkjet without moving the slitted web using a web storage system.

Printing starts again after last printed label with restart of web.

Single pass printing, 100% inspection and slitting perfect quality.

New inkjet generation, the Omega SRI Inkjet with single pass printing, inspection and slitting, with higher quality and higher productivity.

14

Omega Digital Print

for clinical trial and security labels

The digital print fulfils the growing requests for labelling applications with variable data – from the basic inventory inspection and the falsification protection up to advertising games, tickets, tags, plastic cards and mail materials and creating complete printed products.

The sequence is specially set up for the print and inspection process, 100% error-free. The following process will occur every time the machine is stopped:

- current printed label will be finished

- the printed label will be moved forward through the UV dryer

- machine will be stopped

- label will be positioned back in front of the print station

- at the next start the print continues with the first unprinted label or re-print of an exchanged label

- thereby no misprints at start / stop

- guarentees a 100% error-free finished roll without missing numbers / labels

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.

Contact us

German Office
AB Graphic International GmbH
Thomas Edison Straße 10
D-52 499 Baesweiler, Gemany

Tel: + 49 2401 60 200

Email: info@abgint.de

Web: www.abgint.com

Images may show options not included on standard machines.