

Omega SRI



Your competitive edge

World-class label finishing

Omega SRI



The latest generation of label finishing

Ergonomic design

Whilst designing the SRI we put special emphasis on user friendliness, including the option of operating from a standing or sitting position



easy adjust

Scissor slitting unit incl 5 knives and 5 knife holder

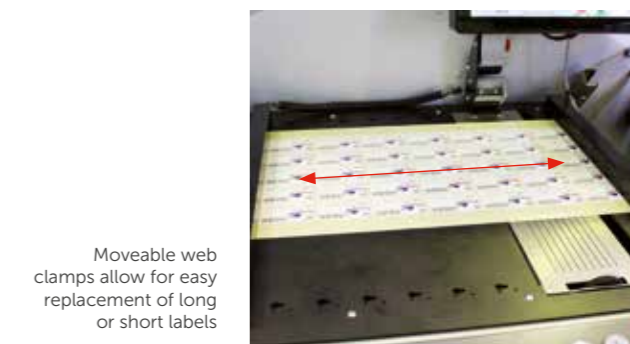
Top + bottom knife shafts slide out for full access and knife adjustment without breaking the web

The Omega SRI sets the market standards.

Innovative features, a high level of automation and advanced motion technology ensure outstanding efficiency and productivity.

Even in its basic configuration the SRI has state-of-the-art technology and exciting features:

- Advanced operating system, quality servo drives
- Pneumatic expandable rewind mandrels
- Multilingual HMI, keypad or touchscreen operation
- **QuickSetup.** Pre-defined jobs and JobRepeat (machine and job setup)
- Adjustable end of roll stop
- Web tension fully adjustable
- Adjustable splice table
- Integrated web guide
- Counting options
 - Number of labels
 - Diameter at rewind roll
 - Web length



Moveable web clamps allow for easy replacement of long or short labels

✓ Versatility for a large range of applications and materials

✓ Waste reduction

✓ Fast setup, combined with fast process speed up to 350 m/min

✓ JDF / JMF ready

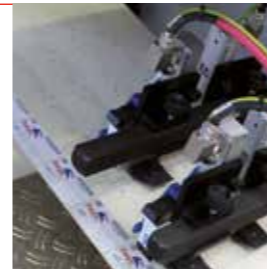


Latest SPS / PC operation controls. Advanced servo technology ensures perfect web control

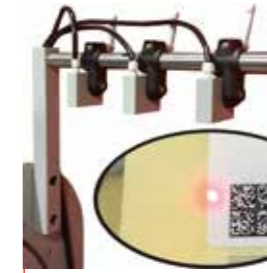
Add-ons

The SRI's options are smart, innovative and powerful

Inkjet integration
For sequential numbering/ barcode printing



AutoCut
Cuts the web precisely between the labels and applies it onto the new core



Laser unit
For quick and easy core positioning, particularly in combination with a semi-turret



Dual Rewind
Additional second mandrel
Film package
For perfect finishing of unsupported films
Front Support

Second web guide for perfect web alignment with die station or fleyeVision



Unwind
Ø 1000 mm, Ø 1250 mm incl. reel lift and 2nd web guide

Additional servo driven nip roller

Servo driven rotary die 10-24" with foot switch

Waste matrix rewind up to Ø 700 mm incl. matrix break sensor and pneumatic pressure roller

WebAdvance
For accurate placement of the slit lanes onto the cores

Semi automatic turret.
Smart core positioning allows for highest speed and ergonomics

Reel diameters up to 500 mm in alternate mode and 350 mm in dual mode



AutoSlit
incl. 5 scissor knives
Fully automated setup of the slitting unit in less than 1 minute. Precisely scans for the label position and positions the slitter knives with highest accuracy. Eliminates operator errors and minimizes waste. Up to 18 knives possible.



Razor blade unit
Perfect for film slitting. For quick setup the unit can easily be removed from the machine and adjusted. No tools required.



Crush knife unit
Slitting unit with hardened roller and air operated knives. Easy setup.

Operation from the right side, second touch screen and additional control buttons. Offers a unique sitting operator position.



3 convincing reasons why you should choose an Omega SRI

1

Trusting the market and innovation leader safeguards your investment

For more than 60 years AB Graphic has had a leading role in the label finishing industry.

With pioneering innovations and an ultimate commitment to performance and reliability we offer first class solutions for our customers.

More than 11,000 installed machines and over 2,500 customers worldwide – emphasize our promise to you: leading-edge technology and high-quality service provide a sustainable contribution to your business success!

60+

years of business experience

11,000+

machines installed

2,500+

customers

60+

sales & service locations worldwide

2

One-stop technology ensures maximum productivity

On ABG machines the mechanical components, machine control, image processing and the interfaces to the production systems are developed and produced in-house.

Leading process and technology know-how guarantees perfectly matched performance parameters for maximum automation.

Your advantages:

- a solution ideally tailored to your individual requirements
- a compact design that offers a wide range of modular add-on options
- a long technical service life at favorable machine costs
- maximum versatility for different applications and materials
- an effective reduction of operator errors due to high degree automation, top ergonomics and a smart, easy to use control
- short lead times and working speeds up to 350 m/min
- sustainable waste reduction

3

Advanced Technology and Service Commitment offer maximum reliability

When you partner with ABG you get access to a full portfolio of machines. ABG Products are considered to be durable and stand out even under demanding operating conditions.

With a clear understanding of quality and service we make sure that your operations are up and running.

ABG is the only rewinder manufacturer with wholly owned subsidiaries around the world for truly world class service and support.

No unnecessary waiting and no bureaucratic obstacles when it comes to avoid downtimes!

Tailor-made solutions for all applications

Powerful and versatile

The SRI is easy to customize and has a wide range of options to meet your particular business requirements.



Pharma SRI

The ultimate answer to the special requirements of the pharmaceutical industry.

With unmatched process speed, the Pharma SRI guarantees 100% inspection and sets the benchmark for cost-efficient finishing of pharmaceutical labels.

- Initial label control using fleyeVision camera inspection
- Detected errors are reliably stopped and positioned for the operator at the splice table
- After correction or job release, the process is seamlessly continued and label quality is downstream monitored by a second fleyeVision system
- Further defects are stopped at a third splice table. Corrections and releases now have to be additionally acknowledged by the operators' signature
- The special protocol features are in compliance to FDA 21 CFR part 11

Using two fully integrated fleyeVision systems the Pharma SRI provides a unique unidirectional workflow and combines highest processing speed with maximum monitoring quality.

The Pharma SRI will meet even the highest market requirements.



Digital SRI

- Inkjet Integration
- LED Curing
- fleyeVision print face inspection
- Variable data control
- Barcode verification according to ANSI standard
- Autoslit cutting unit

The integrated machine concept covers the entire process chain Finish - Print - Inspect highly automated in one single operation.

The smart buffer system marks a special technical highlight: even when the machine is stopped and restarted the print remains free of errors and no waste is produced.

The Digital SRI offers:

- considerably reduced setup times
- increased process safety and speed
- significant waste reduction

fleyeVision

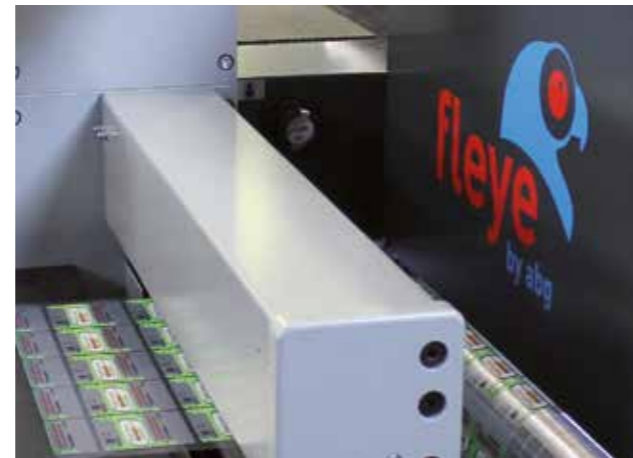
The new dimension of vision systems

- Easy to use
- Very high inspection speed
- 100% inspection

fleyeVision from AB Graphic International is the 100% solution for your inspection applications. fleyeVision is modular configurable to meet your specific requirements.

fleyeVision assures full quality control of all labels you produce. The system uses digital line cameras with resolutions up to 8K to detect printing errors such as scratches, 'hickies' and text irregularities as well as register shifts and color deviations. fleyeVision can also be used to inspect reflex films and holograms.

fleyeVision offers barcode and OCR control and allows variable data matching. pdfComparison or gapControl are further options to avoid errors at an early stage.



Fleye Cam



scanning



fleyeVision applications

On a printing press:

- Live front and back side inspection during printing
- Warning function via indicator light and horn
- Waste reduction, time and money savings due to early-stage error detection
- Logging of the entire production

On a converter / rewinder:

- 100% inspection of all products
- Display of errors and automatic positioning on the splice table for operator action

On a pharmaceutical control machine:

- 100% inspection of all products
- Machine stop and error positioning
- Error handling
- Re-inspection with 2nd fleyeVision for 100% safety
- If necessary, stop at 3rd splice table for operator action. Acknowledgment by signature
- Special protocol and administration features in accordance with FDA 21 CFR Part 11

Available Modules

100% Inspection



fleyeVision barcodeControl



ACCEPTED BARCODES:	
4_STATE	MAXICODE
BC412	MICROPDF
CODABAR	MICROQRCODE
CODE128	PDF417
CODE39	PHARMA
CODE93	PLANET
DATAMATRIX	POSTNET
EAN13	PZN
EAN14	QRCODE
EAN8	RSS
GS1_128	TRUNCATED_PDF417
GS1_DATABAR	UPC_A
INTERLEAVED25	UPC_E

Contact us or visit our website www.abgint.com to learn more about the many options and workflows for the fleyeVision system.

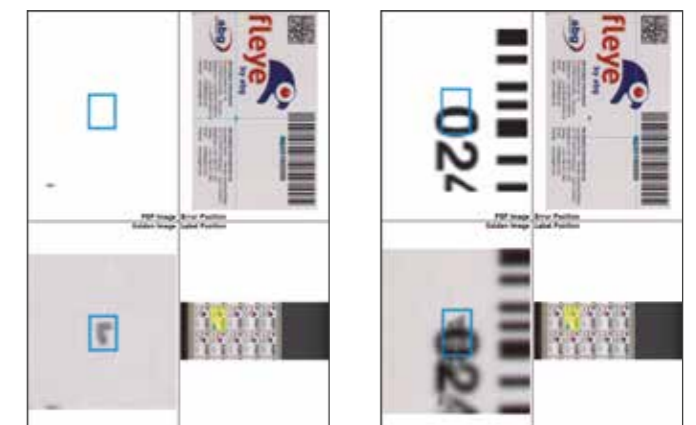
fleyeVision ocrControl



fleyeVision gapControl



fleyeVision pdfComparison



Omega SRI

Label finishing at an ultimate level –
Boost your business with
AB Graphics' SRI!

Standard specifications

	SRI 330	SRI 430	SRI 530
max. web width	330 mm	430 mm	530 mm
max. web speed	350 m/min	350 m/min	350 m/min
max. Ø unwind	800 mm	800 mm	800 mm
max. Ø rewind	500 mm (600 mm)	500 mm (600 mm)	500 mm (600 mm)
max. roll weight unwind	200 kg	200 kg	200 kg
max. roll weight rewind	80 kg	80 kg	80 kg
Ø unwind/rewind shaft	76 mm	76 mm	76 mm
min. slitting width	12.5 mm	12.5 mm	12.5 mm
slitting tolerance	+/- 0.15 m	+/- 0.15 m	+/- 0.15 m



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