



Omega B5010, A modular masterclass in versatility



Highly Efficient and Accurate Booklet Production

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Omega B5010

- Suitable for booklet sizes from 20mm up to 280mm Repeat / length and 80mm up to 320 width.
- Up to 56 sheets (112 pages)
- Integrated label count
- Modular design enables the addition of flexo printing units, a second die-cutter, different modules for printing, cutting, inspection or flagging
- Available with rotary or flat bed die cutting
- Web width 330 mm (optional 430 mm)
- Attach the booklets to the web by laminate or hot melt glue
- All features of the Omega B5010 are operated and monitored via touchscreen and a sliding HMI console.



330mm web width with a 430mm option available.



Utilising our internally developed booklet folding mechanism.

A modular concept for the highest flexibility

The Omega B5010 is a modular system which can process up to 36,000 booklet labels per hour. Equipped with ABC's own unique designed booklet label feeding system, it can handle booklets ranging in length from 20mm to 280mm, and in width from 80mm to 320mm, and switches effortlessly between them.

Booklets can contain up to 56 sheets – 112 pages – and be secured by hot or cold glue as well as by lamination, depending on your need.

Designed for web widths of 330mm or 430mm, the Omega B5010's modular design allows for rotary or flat bed die cutting, together with options for printing, lamination, inspection or flagging.



Feeder & Chain



The booklet feeder and chain can be adjusted to a new booklet size within in a few minutes, via a touchscreen. This maximises output and reduces downtime.

Booklets on the Omega B5010 are fed by a vacuum belt. A conveying system will transport the booklet and attach it to the base web.

Base web camera inspection to spot errors or missing labels to reduced product waste.

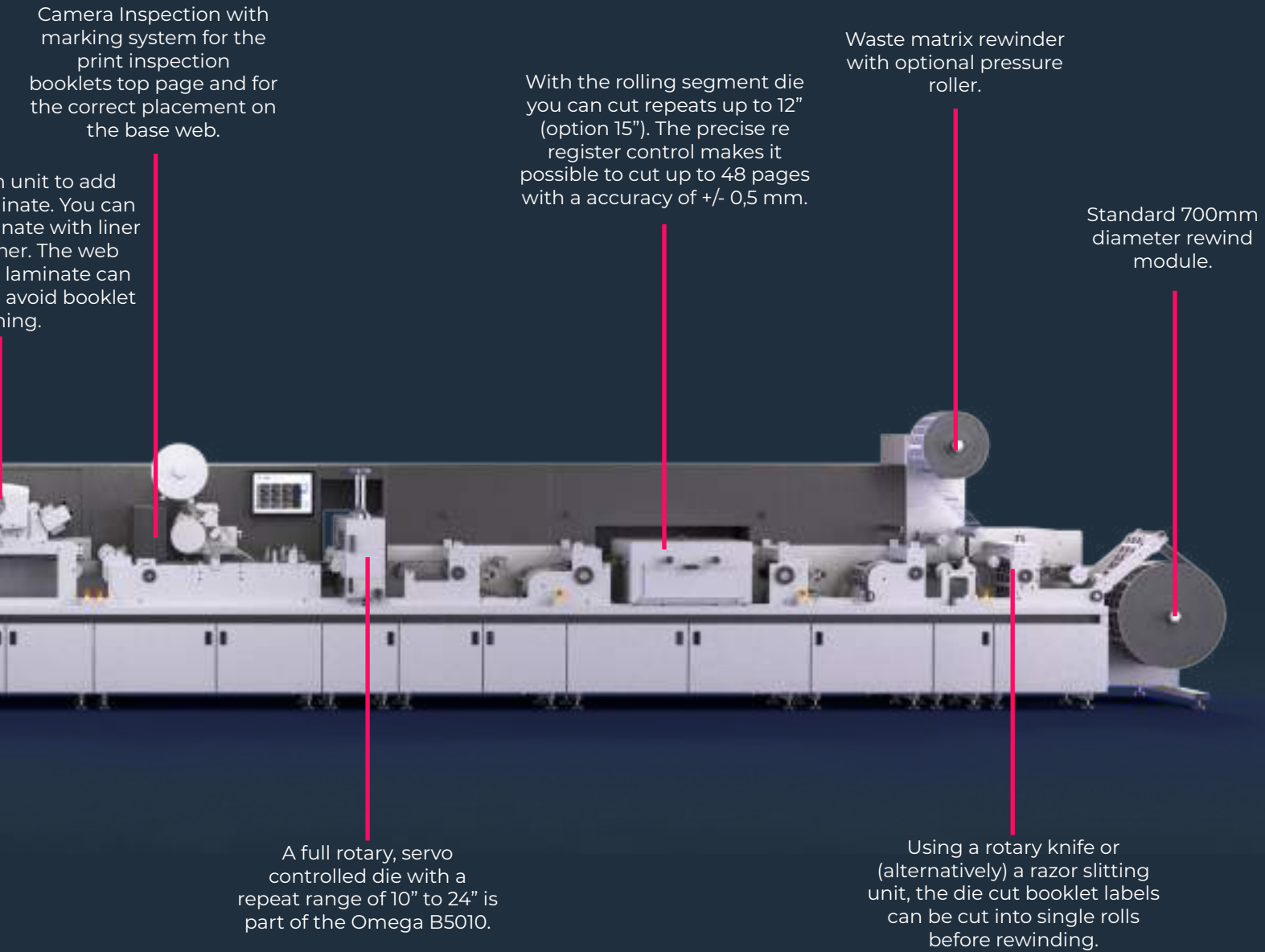
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700mm standard unwind can be upgraded to 1000mm with roll lifter.

Integrated Flexo unit with register control and UV-drying system.

With the additional hot melt glue system the booklets can be adhered to the base web. The glue application will be done either by spot nozzle or a glue head.

The B5010 incorporates a proven precurling system to ensure the perfect pre curl of the booklet for each specific container.



Camera Inspection with marking system for the print inspection booklets top page and for the correct placement on the base web.

h unit to add laminate. You can laminate with liner. The web laminate can avoid booklet binding.

With the rolling segment die you can cut repeats up to 12" (option 15"). The precise register control makes it possible to cut up to 48 pages with a accuracy of +/- 0,5 mm.

Waste matrix rewriter with optional pressure roller.

Standard 700mm diameter rewind module.

A full rotary, servo controlled die with a repeat range of 10" to 24" is part of the Omega B5010.

Using a rotary knife or (alternatively) a razor slitting unit, the die cut booklet labels can be cut into single rolls before rewinding.

Enjoy the security of ABG



65+ years of print finishing expertise



Designed, manufactured, and serviced by ABG



Built with connectivity, automation, and ease of use



Modular construction which means each build has a bespoke design to match your requirements



Retrofittable options – allowing you to future proof your business

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