

Provide the most accurate laser converting



The DigiLase 4.0 is the result of continuous developments in laser cutting technology made by ABG engineering teams.

Want to find out more?

See the quality of the DigiLase 4.0 for yourself – send us a sample file and we will demonstrate the simple set-up and finishing quality.



Time saving

Fast, fully automated job changeover and simple pre-press set-up

Reliable results

Cutting speed and power are automatically managed by the software developed by ABC



Simple to configure

Modules and options to configure the machine exactly as you need

Flexible

Works across a range of print applications; roll to roll, sheet or individual piece



DigiLase

Accurate finishing

Digitally controlled fine laser beam for cutting intricate shapes on many materials

Intelligent

Integrates with any Management Information System (MIS)

Contact us: +44 1262 671 138



Quick set up

No make readies required and saved jobs can be set up for automatic repeats

Easy to use

Intuitive interface with integrated inspection area and no need for hard tooling

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Individual piece, roll-to-roll or sheet options

The modular configuration allows you to deliver labels on a roll or as individual pieces, depending on your customer's preference.

Designed for short print runs with reduced lead times, the DigiLase 4.0 is perfect for web-to-print businesses.

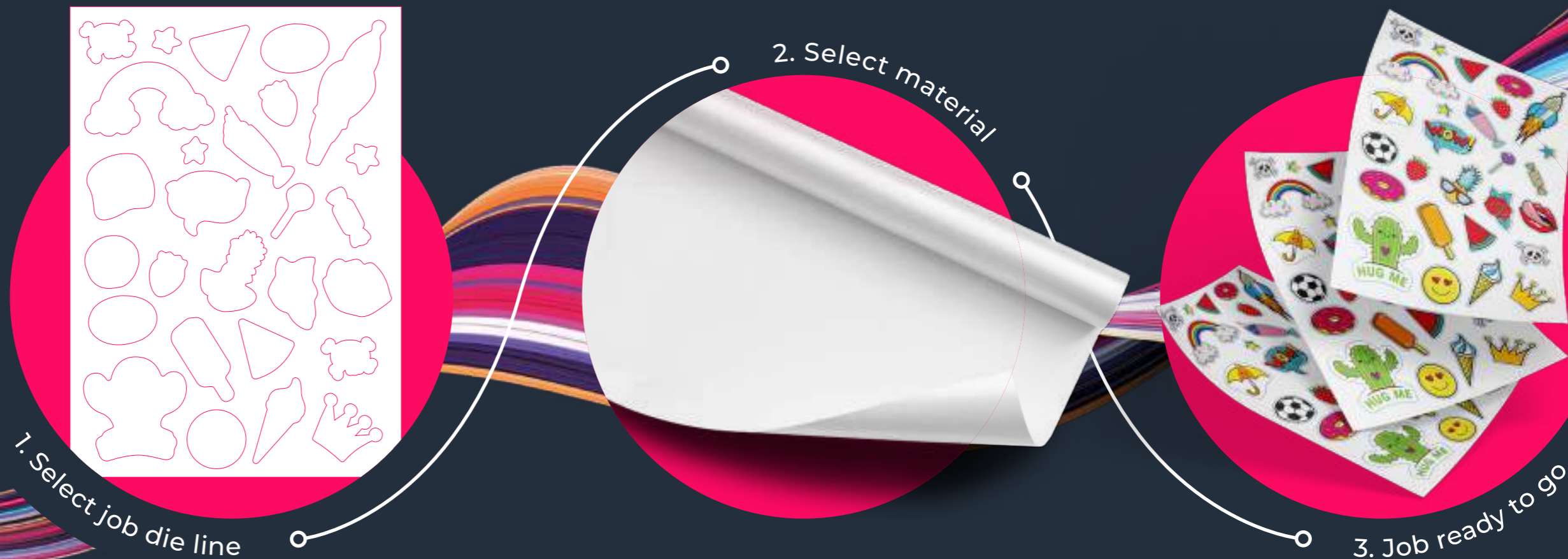


Automatic compiler

The DigiLase 4.0 is set up to make jobs simple to run. The automatic compiler uses the material type and shape to work out:

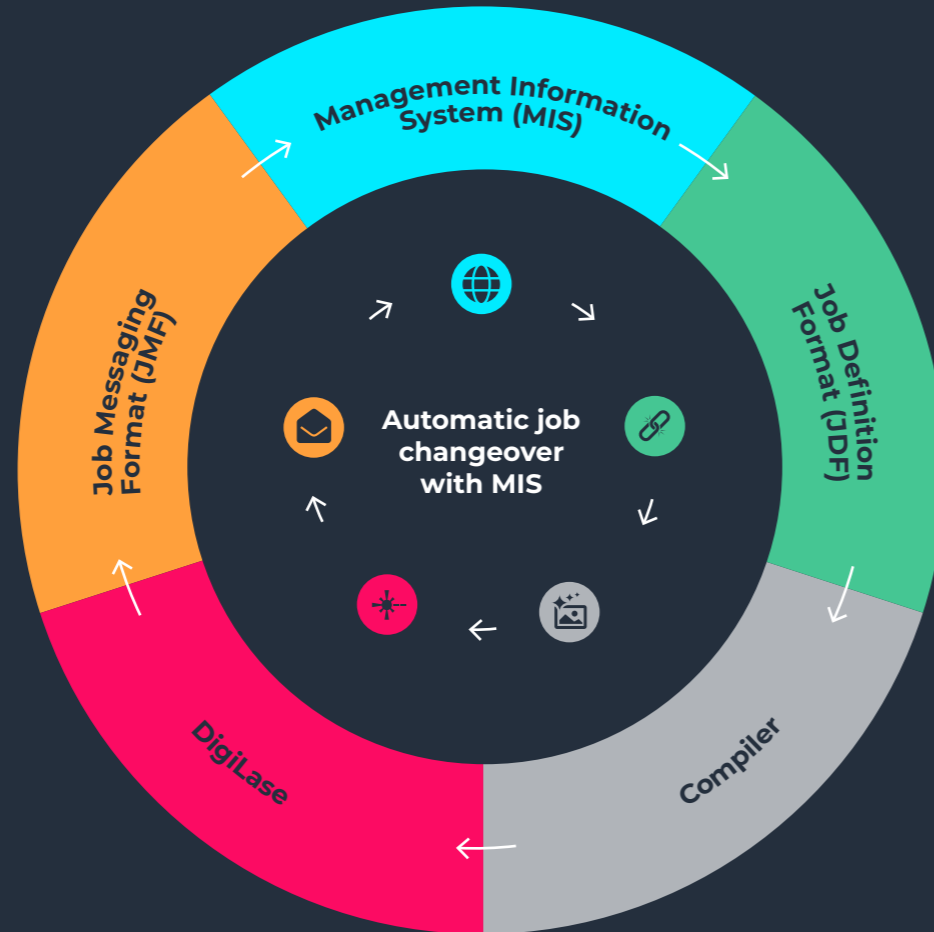
- The most accurate laser path
- The correct laser power
- The right job speed

New materials are calibrated in only a few seconds, and the two-step process does not require any manipulation from the pre-press or system operator, providing accurate results.



Advanced JDF/JMF System Technology

The ABC connectivity system can work in conjunction with any Management Information System (MIS) through Job Definition Format (JDF) and Job Messaging Format (JMF) files. Providing unrivalled efficiency, this sophisticated technology enables automatic job set-up and changeover in just a few milliseconds, with minimal human intervention.



JDF/JMF Benefits



Connectivity with all ABC finishing machines managed via a single central server



Faster and more accurate set up reducing risk of operator error



Removes admin tasks from operators freeing up time to concentrate on production



Gives competitive advantage with real time production data for accurate stakeholder reporting



Material saving with faster and accurate setups



Less paperwork with the QR codes removing the need for paper job tickets



Money saving through increased automation and less need for human resources



Efficient set up allows files to be received directly from the customer's website

Seamless integration

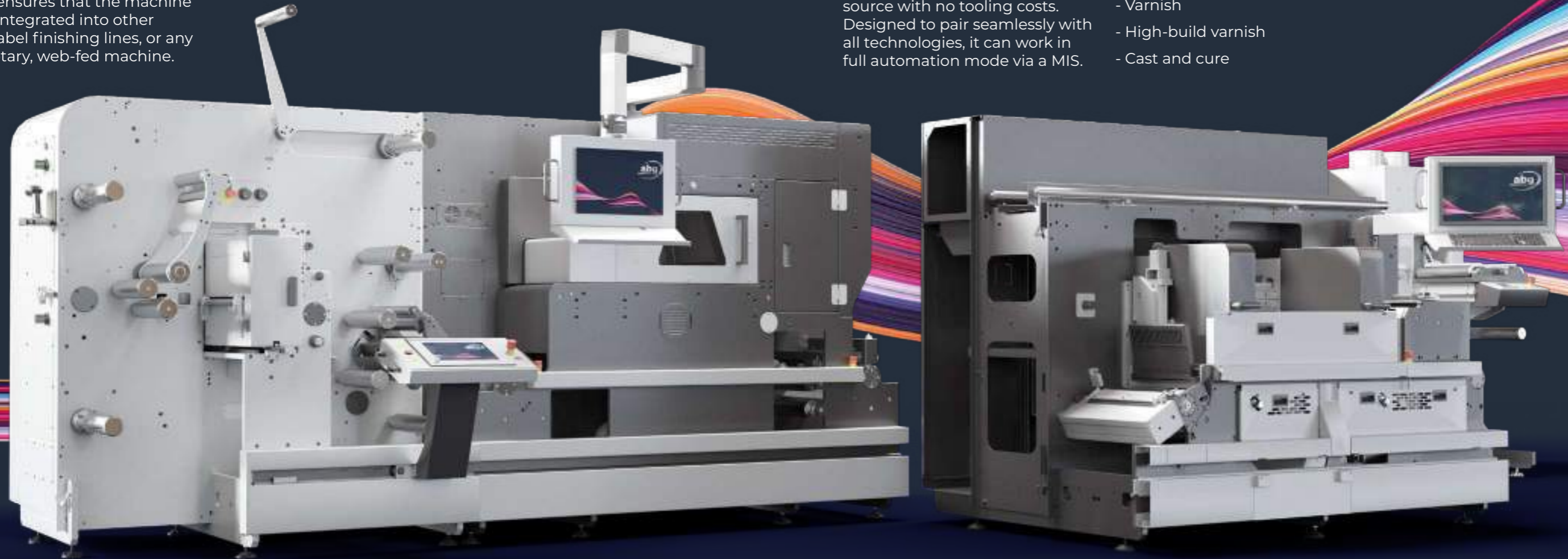
Offering unrivaled versatility, the DigiLase's unique modular design ensures that the machine can be integrated into other digital label finishing lines, or any other rotary, web-fed machine.



Perfect for short print runs, the DigiJet is able to embellish in high detail from any image source with no tooling costs. Designed to pair seamlessly with all technologies, it can work in full automation mode via a MIS.

Capabilities

- Cold foil
- Varnish
- High-build varnish
- Cast and cure





Technical specification

Product classification	Class 1 (non-dangerous good)
Maximum repeat length	Unlimited
Field of view	320x320mm
Laser heads	1 x 400W
Laser wavelength 10.2µm	Suitable for any standard label stock
Laser type	Sealed CO2
Laser beam diameter	190 microns
Beam path	Fully sealed and purged
Scan head motion	X, Y & Z axis
Minimum job length	2 meters
Maximum inter job gap	500mm
Registration tolerance	+/- 0,15mm
Job changeover time	5 milliseconds
Max unwind roll diameter	800mm
Unwind mandrel diameter	76mm
Rewind roll diameter	600mm (upper shaft) - 800mm (lower shaft)
Rewind mandrel diameter	76mm (other sizes available)

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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 approach which means each build can be bespoke to you



Retrofittable options – allowing you to future proof your business

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