



◆ ECOLEAF

# A climate conscious approach to metallised embellishment



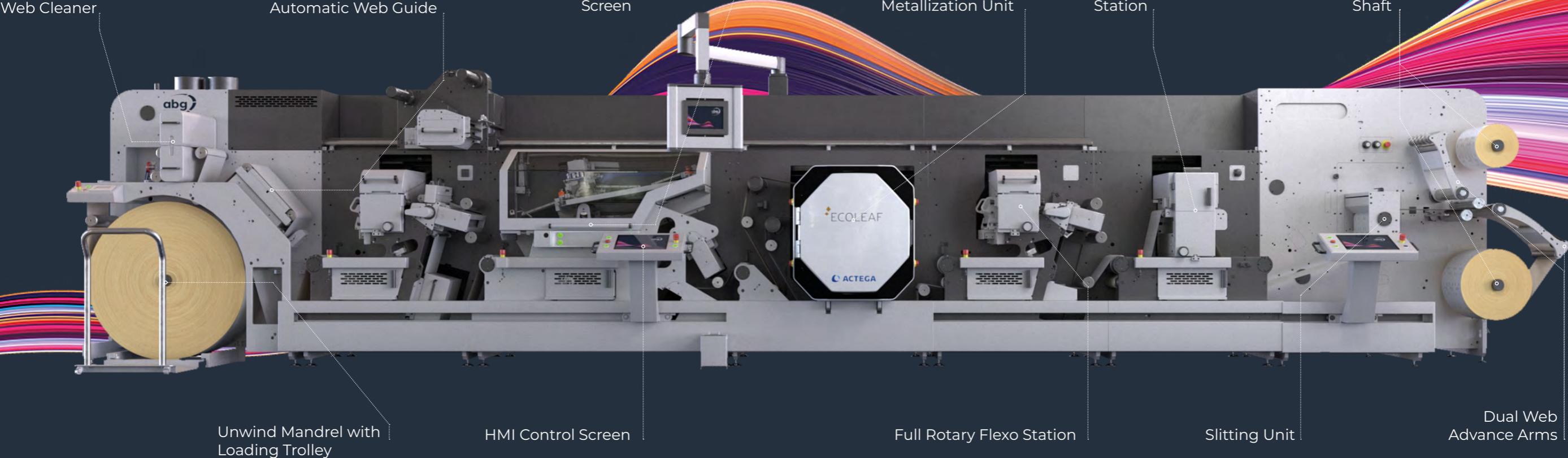
Contact us: +44 1262 671 138 | [info@abgint.com](mailto:info@abgint.com)

 **ACTEGA**

**ECOLEAF is the result of continuous development towards sustainable foiled embellishment producing a high quality finish with minimal waste.**

**Want to find out more?**

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



## High Quality

---

Silver foiled label with the brilliance to rival traditional foiling techniques.

## Flexible

---

Produce ECOLEAF embellishment with flexo, screen or even inkjet technology.



## Sustainability

---

Applies metallic pigment suspended in a water solution. Removes 100% of single-use plastics from the process.

## Applications

---

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



## Reduce CO2 emissions

---

Remove 20 tonnes of CO<sub>2</sub> from the embellishment process compared to traditional foiling.

## Digitised Potential

---

Compatible with InkJet printbar solutions for a fully digitised foiling solution.

Contact us: +44 1262 671 138



## Quick set up

---

An instant technology with very little set up. Begin foiling at the push of a button.

## Coloured Effects

---

Overprint the silver ECOLEAF pigment with a coloured varnish to achieve coloured foil effects.

[abgint.com](http://abgint.com)

# Climate conscious embellishment...



**1 KG of ECOLEAF pigment is the equivalent to 3 tonnes of conventional foil.**

**ECOLEAF**  
Powered by **ACTEGA**

**Remove 20T of CO<sub>2</sub> from label manufacturing. The equivalent of planting 833 trees!**

ECOLEAF is a new innovative alternative to the traditional methods of metallised embellishment such as hot and cold foil.

Utilising the same exact pigment type of conventional foil, ECOLEAF is able to achieve a high quality finish but with zero plastic waste.

The pigment is applied as a liquid rather than attached to a single use plastic. This reduces your CO<sub>2</sub> out by over 50% across the same production run.



Fully retrofittable within the Digicon Series 3 or Converter platforms.



Push-button technology with very little make-ready time required.



Utilises the same PVD pigment technology as hot foil for a high quality metallic embellishment.



Suitable for a wide range of substrates including open fibre, closed fibre and plastics.



Lay down trigger image varnish with either a flexo station, flat bed screen or InkJet printbar.



Cost effective consumable all supplied direct from Actega using pay-per-use.



An industry disrupting technology that will revolutionise the way we apply foiled embellishment to labels. The same metallised result but with no plastic waste. ”



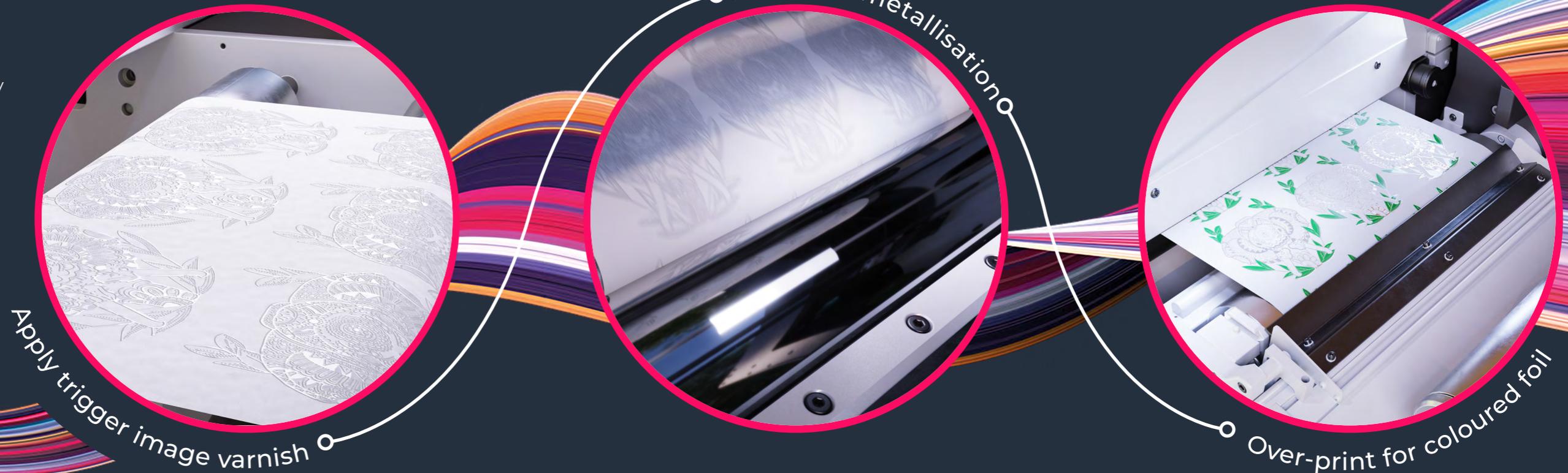
# Sustainable metallisation

## in three simple steps...

Achieve high quality metallised embellishment in three simple steps. Apply a varnish-like trigger image using a flexo station, flat bed screen or Inkjet print bar.

After printing the trigger image, this is UV cured before passing through the ECOLEAF metallization unit. Pigment only bonds to the printed trigger image creating the metallized image.

Create any coloured foil by overprinting the silver pigment with a coloured varnish.





## GENERAL INFORMATION

<b>ECOLEAF Hardware</b>	Supplied by ABC
<b>ECOLEAF Consumables</b>	Supplied by Actega
<b>Consumables Include</b>	Trigger Image, ECOLEAF Pigment, Donor Sleeves
<b>Minimum Running Speed</b>	5m/min - 16.4ft/min
<b>Maximum Running Speed</b>	80m/min - 262ft/min
<b>Minimum Web Tension</b>	70 N
<b>Maximum Web Tension</b>	700 N
<b>Minimum Web Width</b>	220mm - 8.66"
<b>Maximum Web Width</b>	440mm - 17.32"
<b>Substrate Options</b>	Coated / Uncoated Paper / PP / PE / PET

Up To 5x different donor sizes to be delivered with ECOLEAF unit

### ECOLEAF vs Conventional Foil

	FOIL	ECOLEAF
<b>Foil usage per year</b>	30,000 sqm	30,000 sqm
<b>Metallised label coverage</b>	10%	10%
<b>Quantity of Foil / Pigment PA</b>	6,000 KG	33 KG
<b>Waste material after 10% metallized coverage</b>	5910 KG	0 KG

## Want to find out more?

See the quality of the ECOLEAF embellishment for yourself – Request your own sample pack by scanning this QR code.



A climate conscious approach to metallised embellishment.

[abgint.com](http://abgint.com)

# 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

## Head Office

Lancaster Road, Carnaby Industrial Estate, Bridlington, YO15 3QY, UK

---

Contact us: +44 1262 671 138 | [info@abgint.com](mailto:info@abgint.com)

[abgint.com](https://abgint.com)