

**We want inks to
stay on the
substrate.**

Or do we?

Evolution

FlintGroup|Narrow Web

What about an ink that can be washed away?

Recyclable products are the future. In every sense of the word. To be blunt: A business that is not investing in sustainability does not have a future. At all.

At Flint Group Narrow web we have developed a new series of products that focus entirely on this. We call them Evolution. Because they allow the substrates that they are used on, to be used again and again and again – ever evolving in new forms.

Our first product is a deinking primer for shrink sleeve printing. One that makes it possible to recycle the sleeve label material at the same time as the bottle.

Here's how it works:

PET bottles and recyclable shrink sleeve substrates (cPET or crystallizable PET) are both made of similar polyester material. So, the shrink sleeve can be recycled along with the bottle.

But mostly it's not, and here's why:

When you recycle a PET-bottle the shrink sleeve must be separated in the process. This is because the ink that has been printed on it contaminates the material and makes it impossible to use in the making of new PET pellets. A removal that is a costly process. Not to mention the fact that the sleeves make up roughly 6% of the weight. of recycled PET bottles. That is 6% of material that goes to complete waste.

The good news are that it doesn't have to be like that.



The solution!

Our solution is simple. We make the ink separate itself from the shrink sleeve. But we want to make sure this only happens in the recycling process. That way the ink and the sleeve can go separate ways. The sleeve material goes with the bottle material and the ink is removed with the caustic wash.

The trick is FlintGroup's Evolution Deinking Primer. A revolutionary product printed before the ink to keep strong adhesion through the life of the label, then releases it in the recycling caustic wash. The result is more than 99% of the material gets recycled into something new.

All applications

FlintGroup's Evolution Deinking Primer can be used on all recyclable PET Shrink Sleeve applications. It is the first product of its kind to be approved by the Association of Plastic Recyclers in the USA.

Contact your FlintGroup Narrow Web representative to find out more about how our Evolution Series products can help your business into the future.



The Association of
Plastic Recyclers

Simple

- Plug and play solution with our dual cure shrink sleeve inks for instant recyclable label production
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Proven

- Recognized by the Association for Plastic Recyclers to comply with their critical guidance for PET packaging.
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Sustainable

- Enables ink to separate from the sleeve label so it can be recycled with PET bottle flake.
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**Evolve your labels.
Evolve your packaging.
Evolve your business.**

The word "Evolution" is written in a white, sans-serif font. The letters are set against a background of vertical bars in various colors: red, pink, blue, yellow, green, purple, and light blue. The bars are of varying heights and widths, creating a colorful, abstract backdrop for the text.

Evolution

**Protect the brand you work for.
By letting us protect the ink.**

Evolution – Varnish.

Evolution

FlintGroup | Narrow Web

Brand owners are serious about recycling. So are we.

Recycling is not about the future. It is here and now. Companies are investing in sustainability and packaging is a critical part of their plans.

At Flint Group Narrow Web we have developed a new series of products that focus entirely on this. We call them Evolution because they allow the packaging that they are used on, to be used again and again – ever-evolving in new forms.

“Now it’s time for our next Evolution product. A varnish that makes sure the inks remain on the label throughout the recycling process.”

When you put pressure-sensitive labels on PET packaging you want them to separate from the packaging material in the recycling process. Using a substrate that is capable of releasing maximizes the recyclable yield.

However, if the inks on those labels are not completely protected, they can contaminate the washing solution. This in turn can contaminate the recyclable material restricting reuse and lowering value.



The system solution.

This problem can't be solved by using a special substrate or a special ink alone. The answer is using a complete solution that has been validated through industry tests. That complete solution includes the right substrate, with a proven combination of our inks and Evolution varnish.

Evolution Varnish is a specialized layer of clear coating that is applied to the label after the colors are printed. The varnish has one job – and that is to protect the ink all the way through the recycling process. No bleeding. No abrading.

The protected ink remains on the label so it can be skimmed off with the floating label to an alternate waste stream.

The proven performance of Flint Group's Evolution Varnish assures recycled PET packaging material can be reused for PET packaging completing the circular loop. It's one of the first products of its kind to be approved by the Association of Plastic Recyclers in the USA.

Contact your Flint Group Narrow Web representative to find out more about this and other Evolution Series products from us.

Simple

- Plug and play solution fully compatible with our dual cure inks for label printing.
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Proven

- Successfully passed critical guidance and is recognized by the Association for Plastic Recyclers.
-

Sustainable

- Protects the ink through the recycling process so that the label material can be recycled without contaminating packaging material.'
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**Evolve your labels.
Evolve your packaging.
Evolve your business.**

The word "Evolution" is written in a white, sans-serif font. The letters are positioned over a background of vertical bars in various colors: teal, light green, yellow, light blue, and white. Below the word, there is a row of colored squares: red, pink, blue, yellow, purple, and light blue.

Evolution