

Nothing more, nothing less

Polytype Converting presents new developments in the adhesive coating of labels which prove that recipes can be slimmed down down to what is actually needed

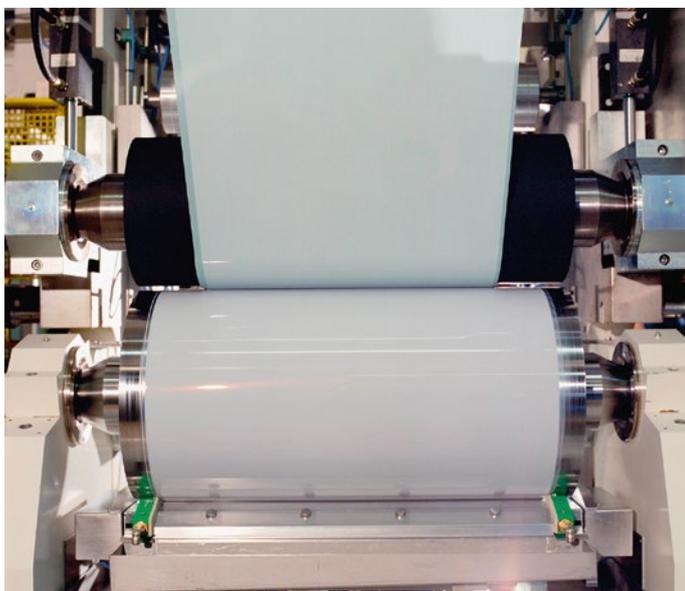
Optimising manufacturing processes in today's competitive environment means going a step further and investing in smart economical, ecological, and innovative production tools. For manufacturers that produce paper labels or transparent film labels, the experts of Polytype Converting offer tailor-made solutions out of their AGS and PGS product range. The well-known AGS 2500S is a pressurised double chamber gravure coating station that offers a first step towards increasing productivity and preventing foaming issues, even at elevated coating speeds. For smaller companies that are used to working with different roller coating applications, an AGS 2500 is an ideal addition to their existing coating equipment.

For larger production volumes or for higher productivity, multi-layer curtain coating has become a very attractive alternative. These days, all major chemical suppliers of adhesive raw materials offer a broad range of adhesives that are optimised for curtain coating applications. Typically, the adhesives used in curtain coating have higher concentrations, so they are lower in energy consumption, and need much less tweaking with additives. Adhesive recipes can be slimmed down to what is actually needed in the layer. They contain no defoamer and lower levels of rheology modifiers and surfactants.



A detailed view on the curtain coating process

The precise dosing of the adhesives using screw pumps in a pre-metered system, like curtain coating, offers further potential for saving on raw materials. Finally, it becomes obvious that label manufacturing with curtain coating is a much greener and more sustainable process. ■



Front view on an AGS 2500

Sustainable processes

Furthermore, multilayer coating opens the door to creativity. New innovative solutions lead to additional cost savings in raw materials. For example, low cost adhesives can be combined as a bulk layer with a release-optimised thin top layer. In this way, the use of expensive tackifiers can be reduced by precisely adding them into the layer package where they are needed.

Silicone Release Materials

Over 50 years of accurate and stable silicone release coatings on all types of paper, PET, HDPE or PP film.

Cotek Papers Limited
 Draycott | Moreton-in-Marsh | Glos. | GL56 9JU | United Kingdom
 Telephone: +44 (0)1386 700488 Fax: +44 (0)1386 700925
 E-mail: sales@cotek.co.uk | orders@cotek.co.uk

www.cotek.co.uk