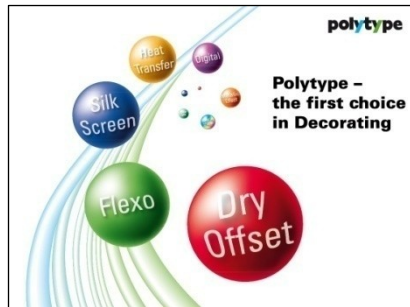


In this issue:

1. Open House 2009: Complete success
2. Linearis: Polytype's new flexographic and silk screen printing and varnishing system
3. Decoration by Heat Transfer: Simple market entry with Polytype
4. Retro fit for an automatic tube in-feed system for the RDA X

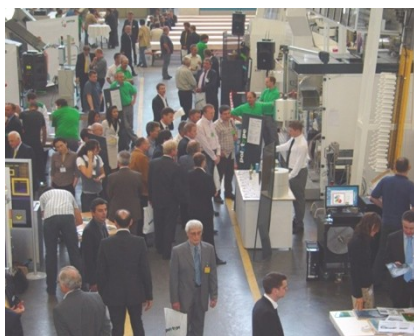


The world premiere *Linearis* - the flexible flexographic and silk screen printing and varnishing system – represents a milestone development in tube decoration. It offers the unparalleled possibility to apply 18 decorations (colors) onto a tube.

Our new daughter company WP-Digital offered some insider information on digital printing. Some renown system suppliers were present and helped to turn this open house into a worthwhile event (Madag, HL-Repro, Windelev, Zeller & Gmelin, Ruco, Schekolin, Tema, Zind and Nanovis). The feed-back which we have received so far shows that this Open House 2009 was a complete success.

1. Open House 09: Complete success

29th and 30th September 2009: During the two day Open House our customers and potential interested parties from the plastic tube and the aluminum tube and can industries had a chance to view the latest decorating technologies at Polytype.



Polytype's new products raised extraordinary interest. Almost 200 persons from 22 countries visited Polytype during this open house event.

We could demonstrate Polytype's aim to be first choice in tube decorating and it doesn't matter which decorating process shall be applied. With the presentation of new developments we could take a big step forward towards our goal.



Or take the possibility to decorate tubes by heat transfer at speeds up to 200/min. This opens new roads for high quality decorating combinations or for short runs (application of digitally printed film).



The well proven dry offset technology has also been improved. With the Advanced Preprint process we could break into a domain which had up to now only been mastered by flexographic or silk screen printing.

2. Linearis: Polytype's new flexographic and silk screen printing and varnishing system



Linearis, what does it stand for?
This new development is not just another printing machine but a decorating system which covers complete, simple and rational decoration methods for tubes.



But this is only one of the important features of this new and unique system. Linearis also stands for

simple and quick changeovers as well as for far-reaching support for pre-press operations.

What is so special about Linearis and why can it respond to all decoration related demands?

- Modular linear concept and a clear view - ideal for inline operation
- Expandable from 3 modules up to 9 modules (from 6 colors up to 18 colors)
- The tube transfer system is separate from the high precision positioning system
- Freely placeable flexo- & silk screen printing stations, positioned according to the print job.
- Extendable for other decorating effects such as metallic gloss.
- Use of high quality clear and matt varnishes after the flexo print and/or before silk screen printing



Other simple and quick changeover features are:

- Simple ink change in the machine
- Simple image adjustment via automated axes.
- Register setting via display
- Print positioning via sensor or camera
- Quick exchange of the print sections with a trolley
- Efficient cleaning and preparation of the inking units during production with a service station



Continuative engineering also covers the pre-press operations. The quality of flexographic printing not only depends on high quality precision machinery but also on precise pre-press settings:

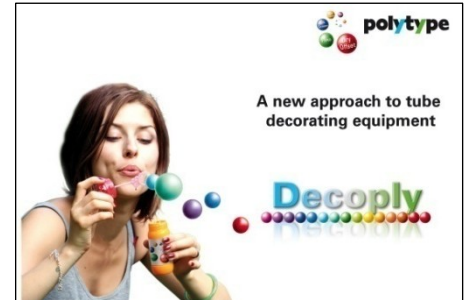
- Tested inks series from renown ink suppliers for combined flexo and silk screen decorations.
- Choice of correct gravure rollers for the various print jobs
- Plate mounting fixtures for flexo printing plates and screens.
- Support during the first steps into flexographic printing

Is that all concerning Linearis?

Not at all. We only gave a rough extract of the possibilities and advantages which Linearis can offer. And do not forget: Polytype can build high performance machinery for high productivity and dependability for in-line operations- and this is essential for this new flexographic tube decorating process.

Any further questions? Please contact us at info@polytype.com / keyword: Linearis.

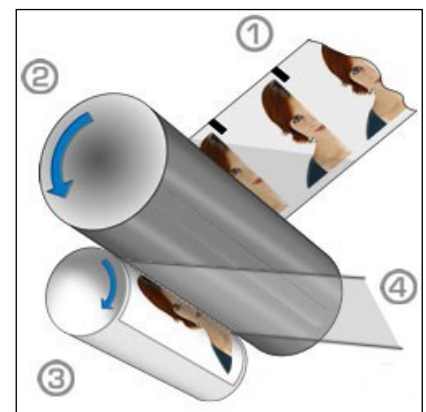
3. Decoration by Heat Transfer: Simple market entry with Polytype



As described in our recent issue of Polytopics Heat Transfer is a decorating process where the entire image (the ink only) is transferred from a carrier foil to the tube surface.

How Heat Transfer works:

The special carrier foil with the decoration (1) passes a heated cylinder (2) and the complete decoration (ink) is thereby transferred to the new substrate, in our case the tube surface. What remains is the transparent carrier foil (4). The decorated tube can then be over-varnished on the same machine.



Basically this kind of decoration has been known for years. But there are 3 fundamental differences in our approach:

1st . Everything comes from one source - consumables (foil, adhesive and ink), the applicator and the know-how.

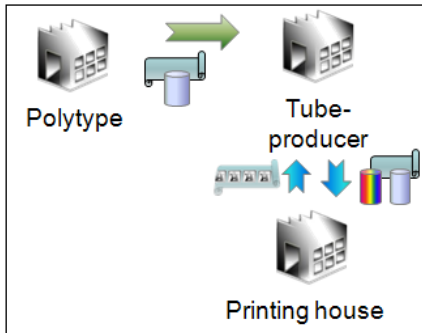
2nd . It is Polytype's strategy that the customer decides about the printing of the foil (who, where and how).

3rd . The Polytype Decoply in-line configuration (including varnish application) offers high productivity with speeds up to 200/min.

In order to facilitate a market entry Polytype has developed various models which will enable the tube producer to identify and exploit the market potential.

then be used on certain hot stamping machines (e.g. MADAG)

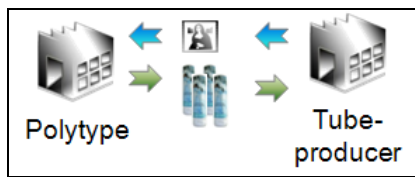
- Modell: Starter B



decorating process. With these models Polytype makes it possible for the tube producer to choose the most interesting way for venturing into this new decorating process.

Any further questions? Please contact us at: info@polytype.com / keyword: Decoply

- Modell: Market Tester



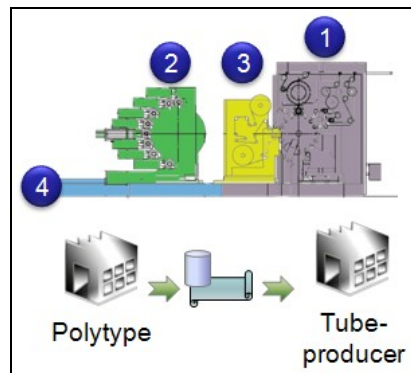
This model is an extension of Starter model A. Polytype will deliver the carrier foil and the tube producer decides where the foil is decorated. The application of the decoration will then again be done on a hot-stamping machine.

4. Retro fit of an automatic tube in-feed system for the RDA X

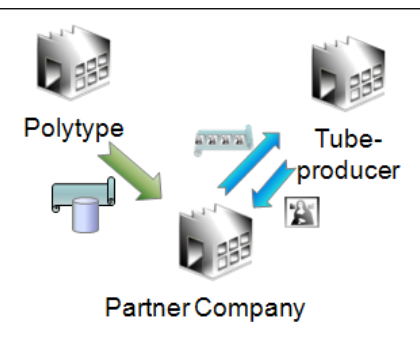
New: There is a possibility to equip an existing RDA X Off-line machine with a tube loading system. This would eliminate manual tube transfer onto the in-feed conveyor and thus reduce the operating personnel.

The tube producer has the possibility to order sample tubes with his customer's design from Polytype. With these tubes it will be possible to test the acceptance of this type of decoration and to evaluate the market potential.

- Modell: Market catcher



- Model: Starter A



Any further questions? Please contact us at info@polytype.com / keyword: Retro-fit – Tube Storage System.

This model enables the tube producer to order the printed foil from a certified (by Polytype) print shop. The printed carrier foil can

This model describes the possibility to provide the Decoply system (3) & (4) with the purchase of a normal dry offset printer (1) & (2) (RDA X or RDA 16-200), including the know-how for the decoration of the carrier foil. With the consumption of consumables it will be possible to finance the Decoply system within a manageable period of time if so desired.

It is worthwhile to benefit from the obvious advantages of this

Preview:

- Advanced Preprint:
New application possibilities for offset printing