

wifag//polytype group

# RDA-X – simply flexible



The compact offset printing,  
lacquering and finishing machine  
for plastic tubes

//polytype

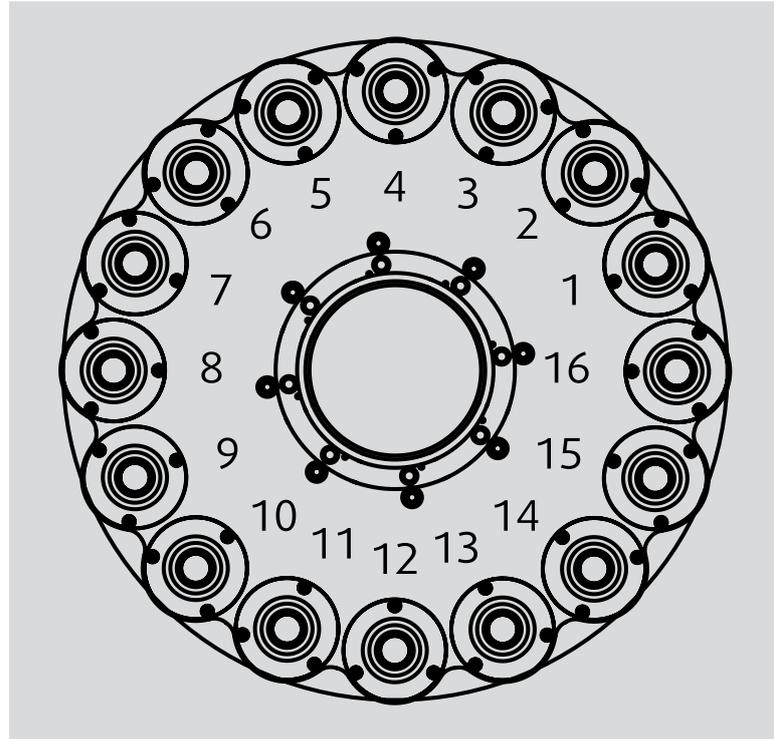
# Machine layout for cost-effective operation



//polytype is a leading manufacturer of high-quality decorating and finishing machines for plastic tubes and sleeves. Customers benefit every day from the extreme flexibility and high productivity of //polytype solutions coupled with the company's process expertise and excellent service.

//polytype is part of the Swiss wifag//polytype Group, which operates globally and has branches in Switzerland, Germany, Italy, the USA, Thailand, Brazil, China and India. This alliance gives //polytype access to a broad technology base and guarantees a global and professional partnership for your success.

- // Printing and tube finishing on one machine
- // Highly flexible machine layout
- // Excellent print quality and high productivity
- // Swiss reliability



The //polytype RDA-X is a 2-in-1 offset printing and lacquering machine for inline and offline production. It enables complete surface finishing for tubes on an extremely small footprint.

**Stations can be set up for RDA-X with 100 p/min**

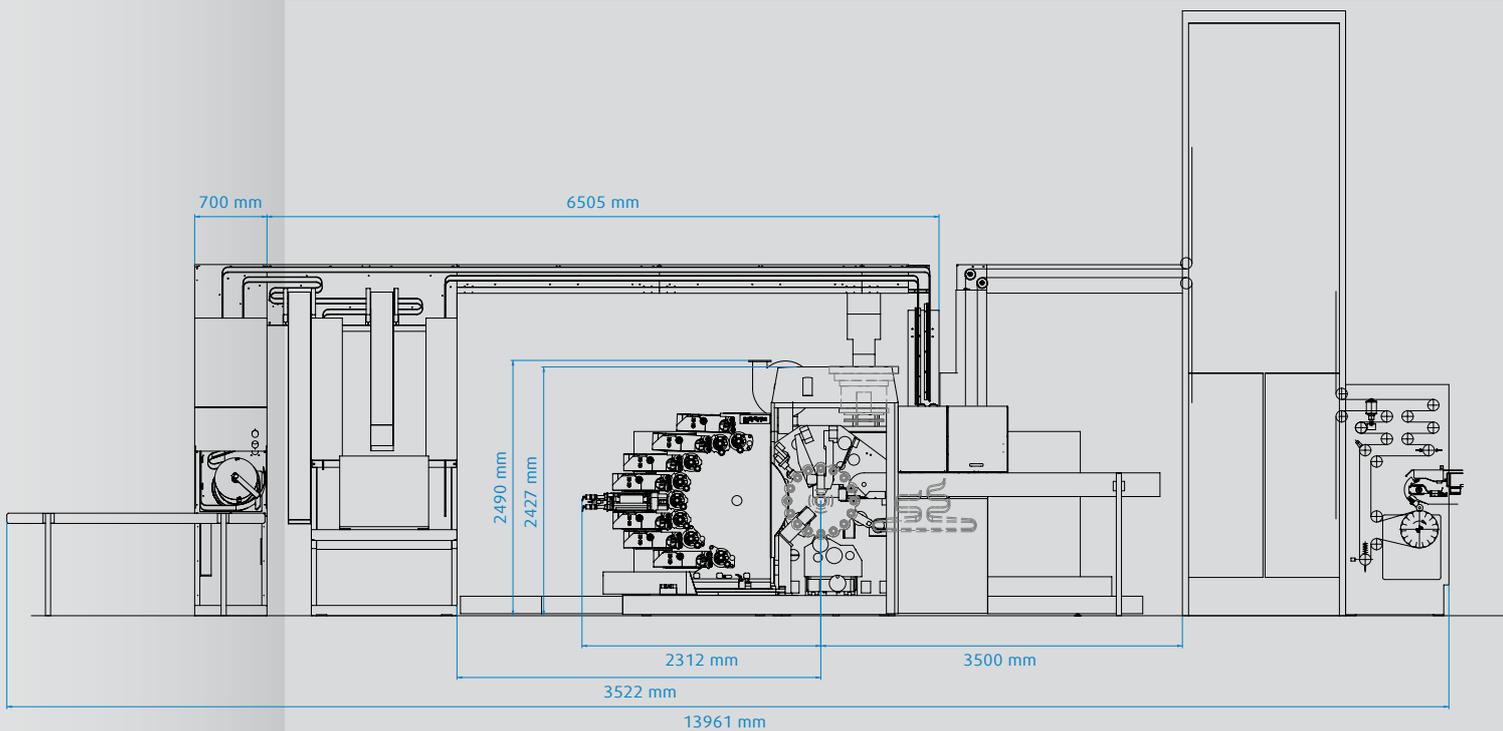
- 1 Feeding tubes
- 2 Membrane film fixing
- 3 Ionisation with dust exhaust
- 4 Cap screw-on/Cap snap-on
- 5 Cap tightening
- 6 Surface pre-treatment
- 7 Detection for positioning
- 8 Printing
- 10 UV ink curing
- 12 Lacquering
- 14 Vision control
- 15 Unloading tubes
- 16 Process control

**Stations can be set up for RDA-X with 130 p/min**

- 1 Feeding tubes
- 2 Ionisation with dust exhaust
- 3 Cap screw-on/Cap snap-on
- 4 Cap screw-on/Cap snap-on
- 5 Cap tightening
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# Flexible and efficient – to meet your precise needs

- // Manual or automatic loading and unloading
- // A wide range of tube finishing operations
- // Offline and inline operation
- // Further optional processes also available



## Technical data

Min./max. diameter	(13.5)19-50(63.5) mm
Skirt length	50-215 mm
Max. printing width	205 mm
Cap diameter	19-50 mm
Max. printing speed *	130/min.
Weight of main machine	~10000 kg
*dependent on machine configuration	

The following processes are also available as options:

- // Automatic washing of inking units
- // Lever ink fountains with pre-inking program
- // Inking unit protecting plates for makeready during production
- // Automatic central lubrication of the printing unit
- // Alignment of the print image with a tube feature
- // Pre-print
- // Toray printing method
- // Vision control system

### Feeding tubes

Tubes can be fed in manually, semi-automatically from a storage magazine or fully automatically using a drum.



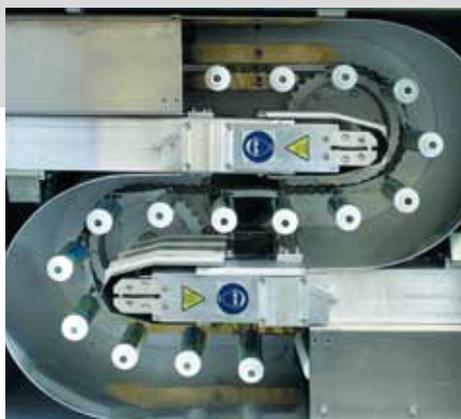
### Membrane film fixing

To seal the tube opening, precisely-sized membranes are punched out before the aluminum or plastic laminate film is welded to the tube head.



### Ionisation with dust exhaust

To clean the tubes, particles are neutralized electrostatically and then cleaned of dirt particles using a vacuum.



### UV lacquer curing

The UV lacquer curing process takes place in a separate //polytype oven with progressive heat control. The path is S-shaped and equipped with two UV radiation elements. A swivel-mounted opening enables easy cleaning and simple reel changes.



### Anilox/squeegee lacquering unit

The lacquering unit ensures even application using either a squeegee or anilox lacquering unit. The unit can be pulled out, which ensures excellent accessibility. A temperature control system is also integrated.



### UV ink curing

The UV ink curing process is equipped with progressive power control. It was developed for quick lamp changes and ease of maintenance.

### Cap screw-on/Cap snap-on

The same station can be used to screw in closures or snap on caps without time-consuming changeovers.



### Cap tightening

Once a cap has been screwed on, a controlled process is used to tighten it using the correct torque.



### Surface pre-treatment

To ensure reliable ink adhesion, this station is used to pre-treat the surface of the tubes with gas or a Corona.



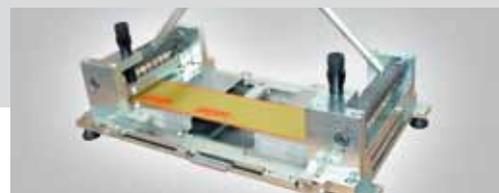
### Temperature-controlled inking unit

This inking unit ensures constant ink processing and was designed for fast ink changes. It is also very easy to maintain.



### High-precision printing unit

The printing unit can reproduce print images comprising up to 8 colors in consistently high quality even over longer periods. Thanks to the ergonomic design and quick-change options, a print image can be changed within a very short space of time.



### Printing plate punching device

30x magnification helps ensure precise printing plate punching.



### Printing plate cylinder

Printing plate cylinders with clamp or magnetic design enable quick and easy plate changeovers.

# Service worth its weight in gold!

- // Preventative measures to extend the service life of your machine
- // Optimizing your machine for higher productivity
- // Higher availability through better trained staff
- // Process optimization to reduce waste



Our comprehensive service portfolio ensures you get the best out of your machine at all times. By offering regular maintenance, a hotline service, remote maintenance and operator and process optimization training, we help you cut costs and improve productivity. We can also offer all the consumables you need to ensure a high-quality print result. Our own well-stocked spare parts store ensures quick part replacement if anything should go wrong at any time. Just ask for our service brochure.

## **Our comprehensive service program offers:**

- // Installation and startups
- // Hotline and remote service
- // Spare parts and supplies
- // Maintenance and repair
- // Updates and upgrades
- // Rebuild and refurbishment
- // Application support
- // Operator and maintenance training
- // Equipment relocation

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