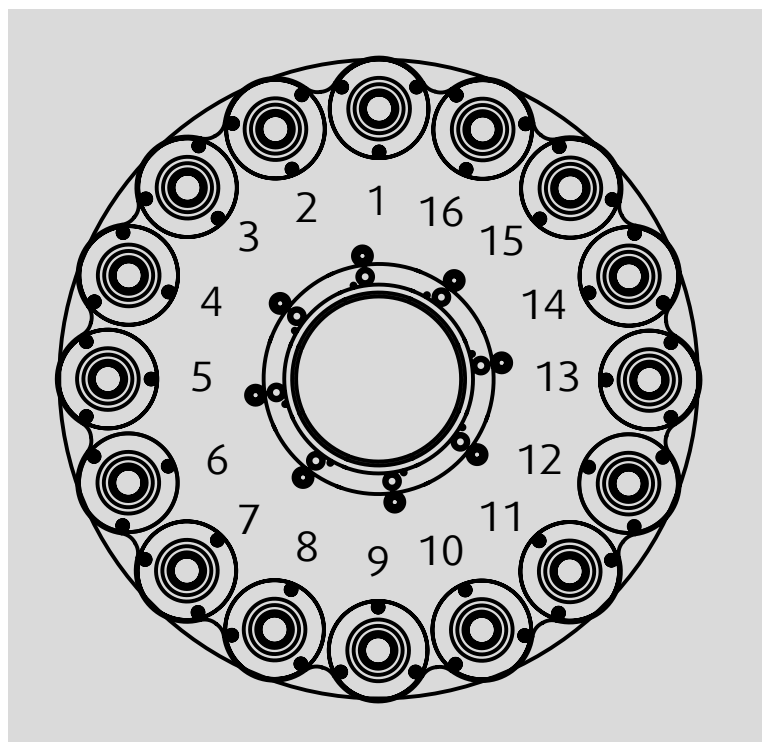


- // Excellent print quality and high productivity
- // Very fast throughput
- // Compact machine design
- // Fast conversion
- // High availability

## RDA 16-200/16-235 – incredibly quick

wifag//polytype group

Make an impression –  
with excellent results



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If you are looking for speed, flexibility and high productivity and throughput, then the //polytype RDA 16-200/15-235 – with its compact design and 16-mandrel run – is the press for you.

**Stations can be set up for RDA 16-200**

- 1 Feeding tubes
- 2 Final loading
- 3 Surface pre-treatment and ionisation with dust exhaust
- 5 Printing
- 8 UV ink curing
- 11 Lacquering
- 13 Vision control
- 14 Unloading tubes
- 15 Unloading tubes
- 16 Process control

The unusual machine concept enables you to print and finish tubes and sleeves quickly and in high quality. The use of only tried-and-tested elements delivers high machine availability. Fast product changeovers ensure efficient production.

**SWITZERLAND**  
WIFAG-Polytype Holding AG  
Fribourg/Switzerland  
  
**Polytype AG**  
Fribourg/Switzerland  
  
**ITALY**  
OMV Machinery srl  
Verona/Italy  
  
**BULGARIA**  
Mechatronica S.C.  
Gabrovo/Bulgaria

**AMERICA**  
Polytype America Corp.  
Lincoln Park, NJ/USA

**ASIA**  
Polytype Asia Pacific Co., Ltd.  
Chachoengsao/Thailand  
  
Wifag-Polytype India  
Marketing Private Ltd.  
New Delhi/India

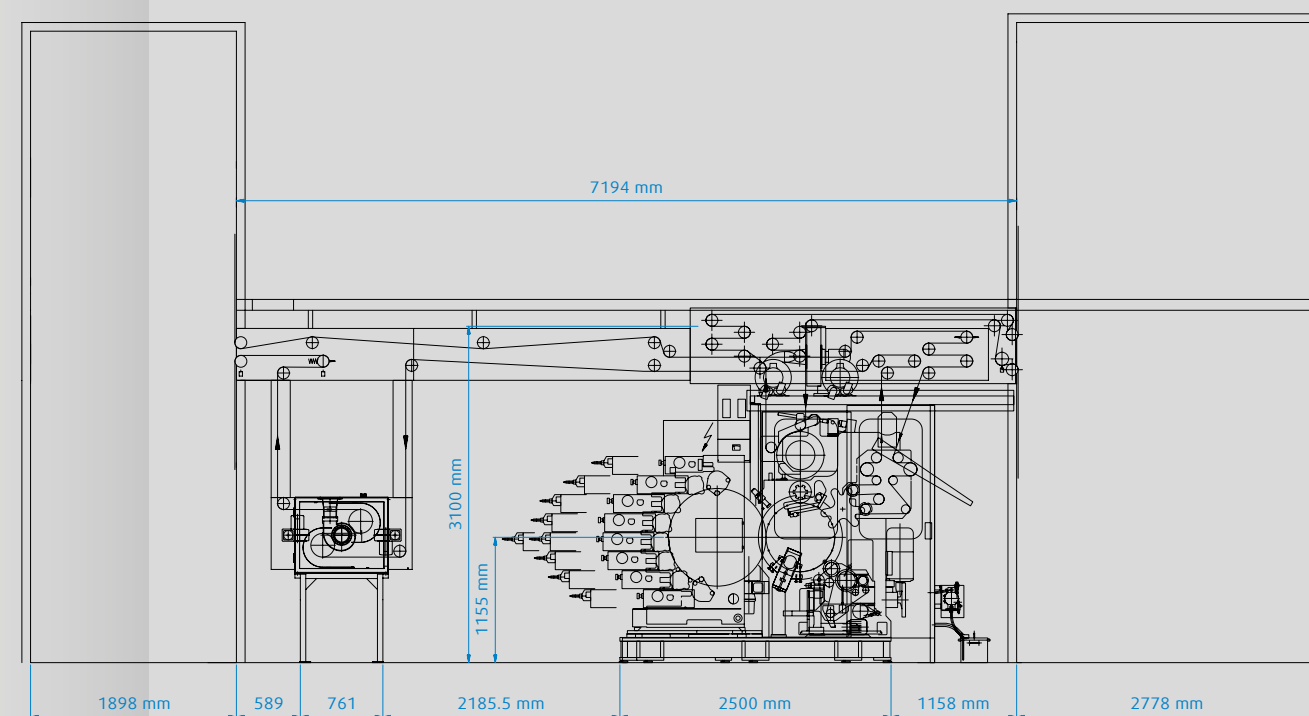
### The high-speed offset printing and lacquering machine for plastic tubes and sleeves

//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.

## Quality meets speed – a rare combination

- // Ensures very stable production at maximum speeds
- // Fast changeover system without tools for format parts
- // Optional sleeve cutting device
- // Optimized lacquering unit for a wide range of lacquers



The //polytype RDA 16-200/235 high-performance offset printing and lacquering machine is the right choice for stable production with very high throughput in three-shift operation 7 days a week.

| Technical data         | RDA 16-200           | RDA 16-235           |
|------------------------|----------------------|----------------------|
| Min./max. diameter     | (13,5)19-50(63,5) mm | (13,5)19-50(63,5) mm |
| Skirt length           | 50-215 mm            | 50-205 mm            |
| Max. printing width    | 205 mm               | 205 mm               |
| Max. printing speed    | 200/Min.             | 235/Min.             |
| Weight of main machine | ~11000 kg            | ~11000 kg            |

The following processes are also available as options:

- // Automatic washing of inking units
- // Lever ink fountains with pre-inking program
- // 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 are fed onto a vacuum drum using chain pins. Vacuum prisms then transfer the tubes from the drum to the mandrels using a pusher.



### Ionisation with dust exhaust

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



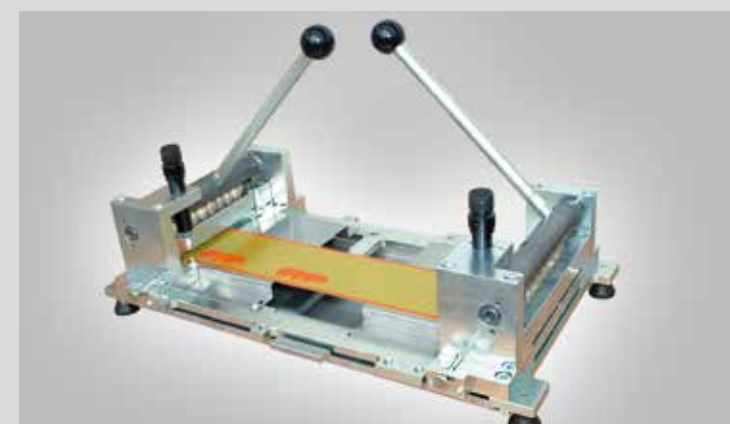
### Surface pre-treatment

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



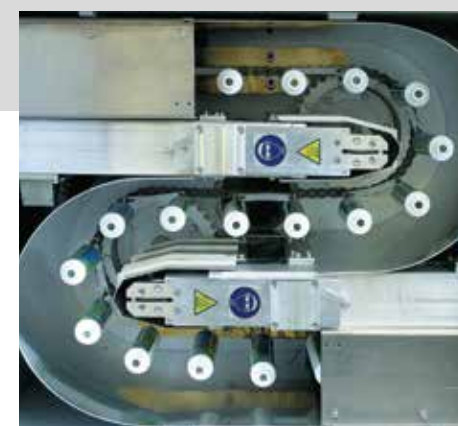
### Printing plate punching device

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.



### 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.



### 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.

## 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