

wifag//polytype group

RDA 16-200/16-235 – incredibly quick



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

//polytype

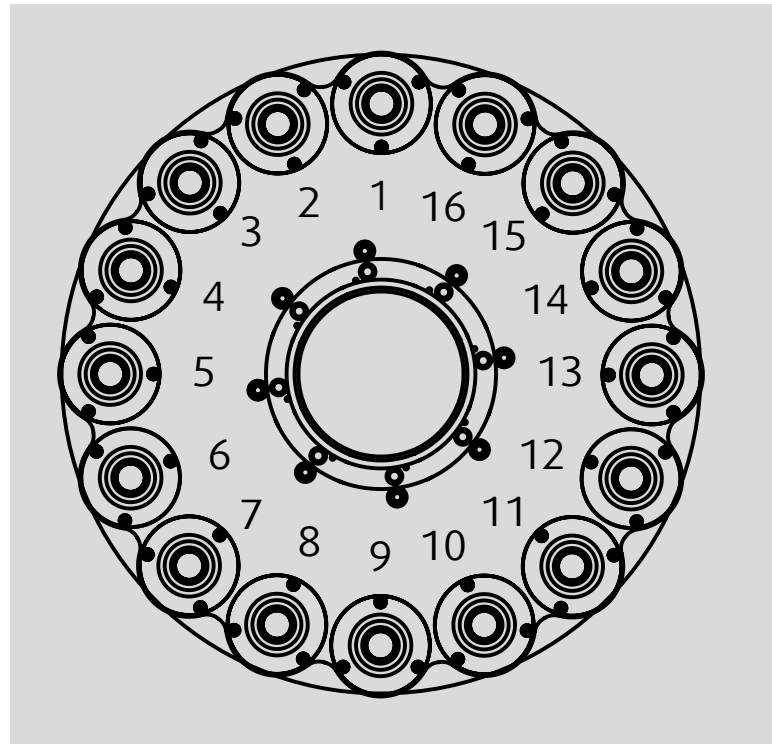
Make an impression – with excellent results



//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.

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



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.

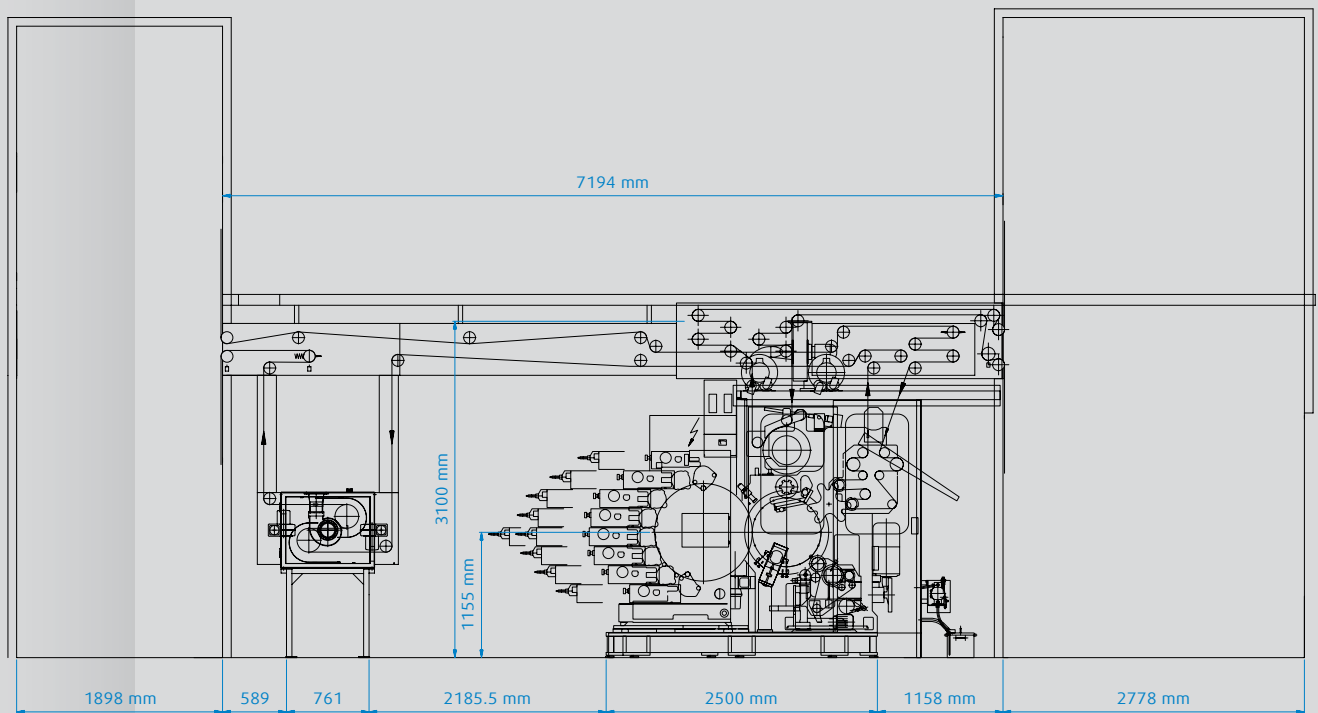
The unusual machine concept enables you to print and finish tubes and sleeves quickly and in high quality. The use of only tried-and-tested elements delivers high machine availability. Fast product changeovers ensure efficient production.

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

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.

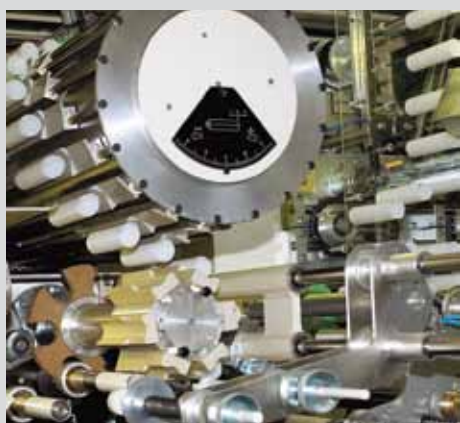
Technical data	RDA 16-200	RDA 16-235
Min./max. diameter	(13.5)19-50(63.5) mm	(13.5)19-50(63.5) mm
Skirt length	50-215 mm	50-205 mm
Max. printing width	205 mm	205 mm
Max. printing speed	200/Min.	235/Min.
Weight of main machine	~11000 kg	~11000 kg

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.



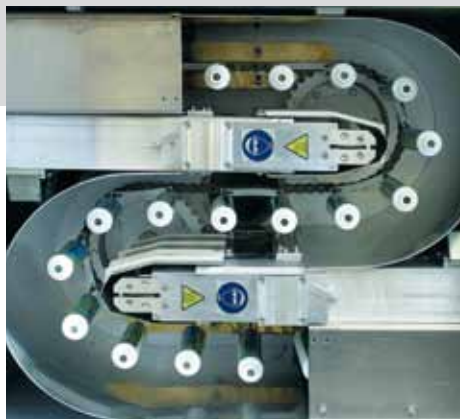
Ionisation with dust exhaust

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.



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.

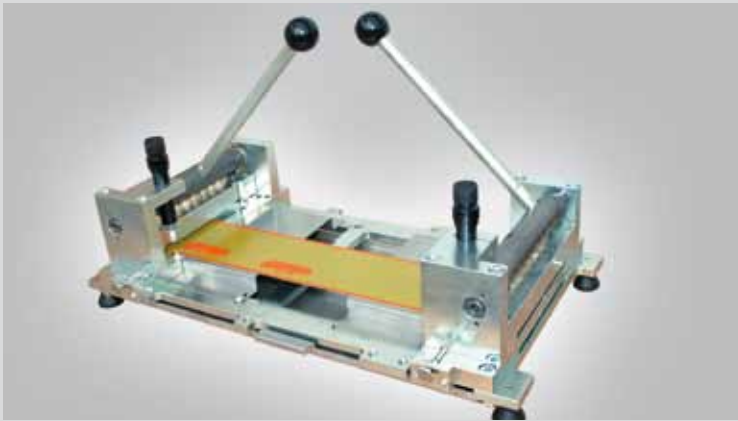


UV ink curing

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

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.



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

Polytype AG

26, route de la Glâne
CH-1701 Fribourg/Switzerland

Phone +41 26 426 11 11

info@polytype.com
www.polytype.com

SWITZERLAND

WIFAG-Polytype Holding AG
Fribourg/Switzerland

WIFAG-Polytype Technologies AG
Fribourg/Switzerland

Polytype AG
Fribourg/Switzerland

GERMANY

Mall + Herlan GmbH
Pfinztal/Germany

Mall Herlan MB GmbH
Neuhausen ob Eck/Germany

WIFAG-Polytype GmbH
Hamburg/Germany

ITALY

Mall + Herlan Italia S.r.l.
Seriata (BG)/Italy

OMV Machinery srl
Verona/Italy

AMERICA

Polytype America Corp.
Mahwah, NJ/USA

ASIA

WIFAG-Polytype China Ltd.
Hong Kong/China

**Wifag-Polytype India
Marketing Private Ltd.**
New Delhi/India

Polytype Asia Pacific Co., Ltd.
Chachoengsao/Thailand