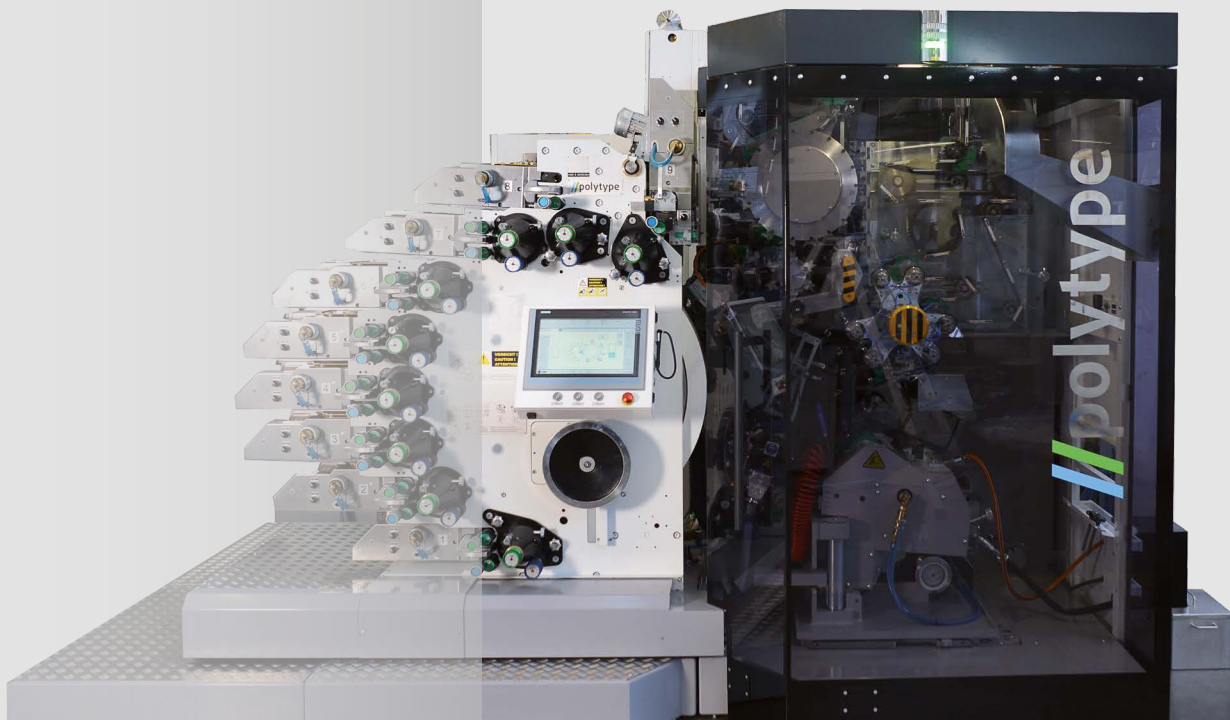


# RDA 16-200/240 – incredibly quick



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

# Make an impression – with excellent results

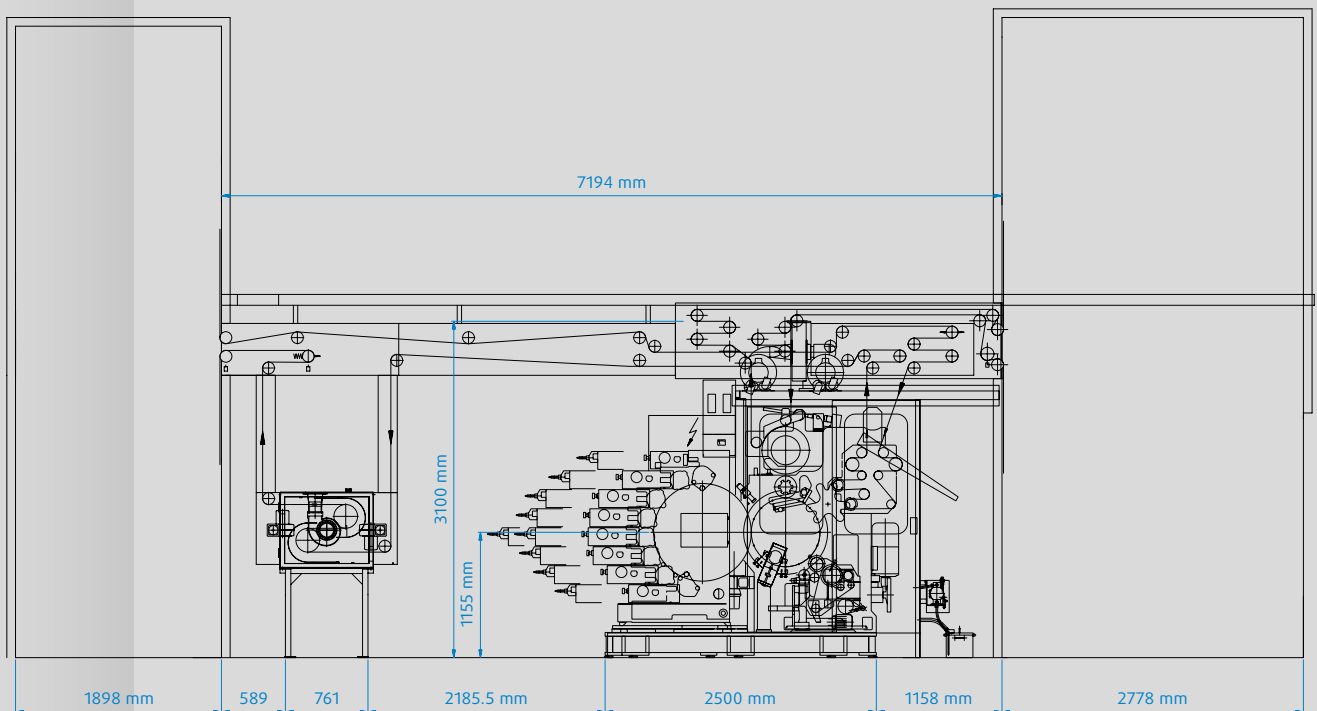


//polytype is a leading manufacturer of high-quality decorating and finishing machines for plastic tubes and sleeves. Customers benefit every day from the extreme flexibility and high productivity of //polytype solutions coupled with the company's process expertise and excellent service.

//polytype is part of the Swiss wifag//polytype Group, which operates globally and has branches in Switzerland, Germany, Bulgaria, USA and Thailand. 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 16-200/240 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.

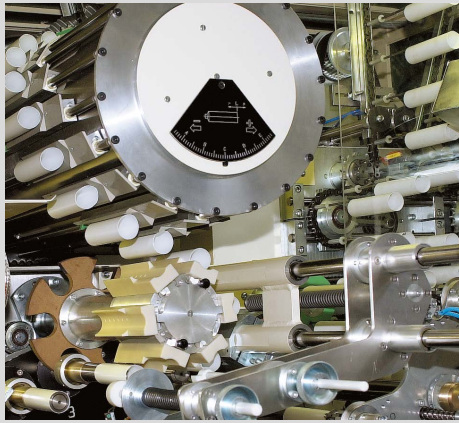
Technical data	RDA 16-200	RDA 16-240
Min./max. diameter:	(13.5)19-50(63.5) mm	(13.5)19-50(63.5) mm
Skirt length:	60-215 mm	60-205 mm
Max. printing width:	205 mm	205 mm
Max. printing speed:	200/min	240/min
Weight of main machine:	~11000 kg	~11000 kg

The following processes are also available as options:

- // Lacquer viscosity measurement system
- // Pre-print
- // Alignment of the print image with a tube marker
- // Vision control system

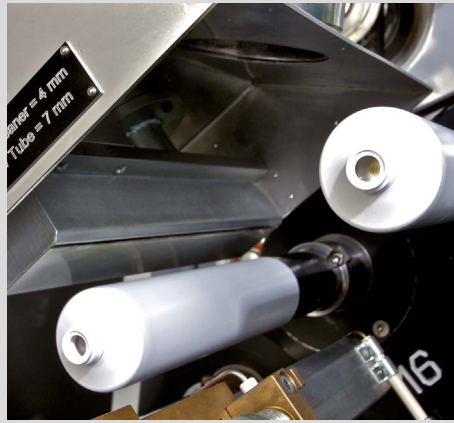
### Feeding tubes

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.



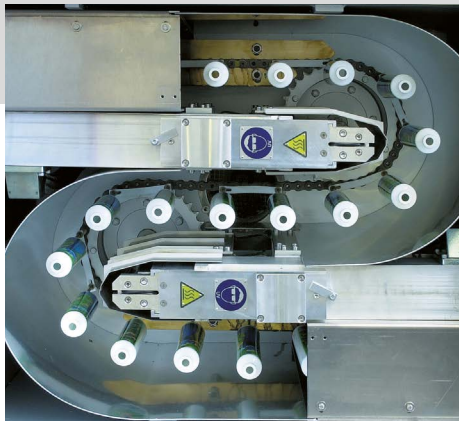
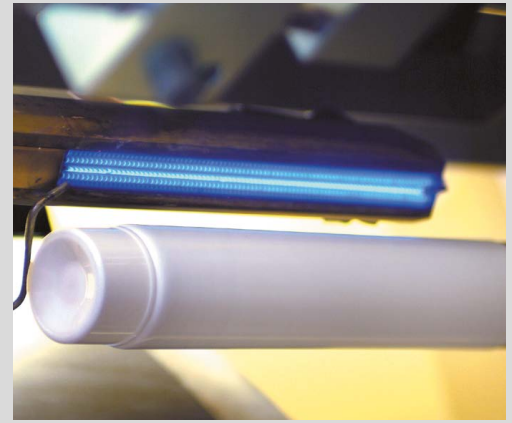
### Ionisation with dust exhaust

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



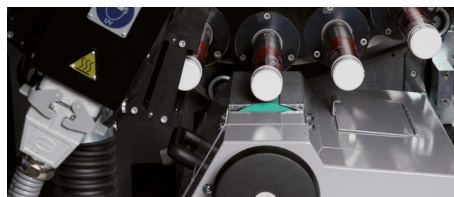
### Surface pre-treatment

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.

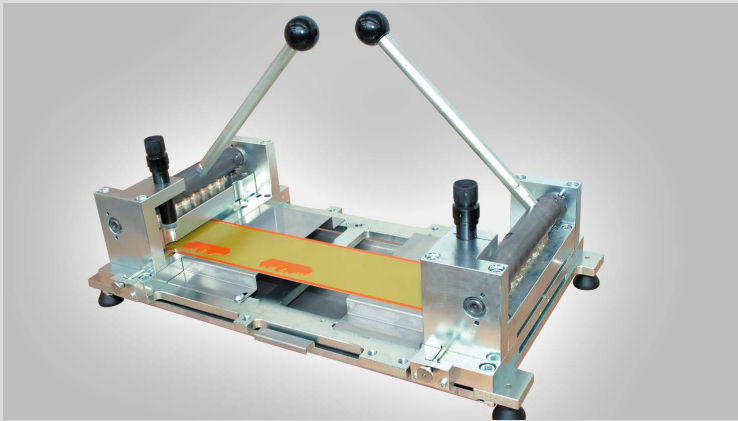


### UV ink curing

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

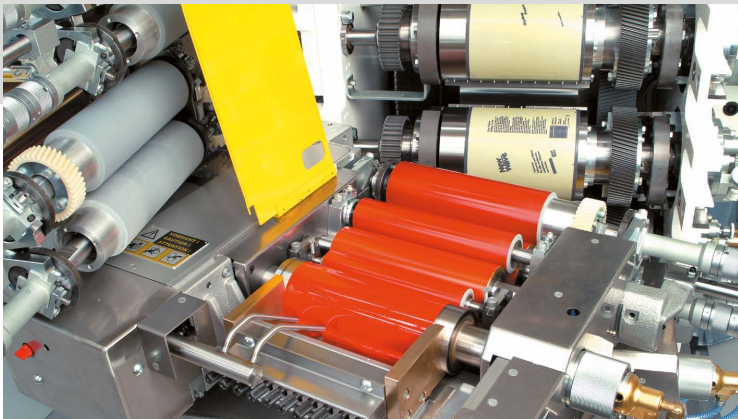
### Printing plate punching device

30x magnification helps ensure precise printing plate punching.



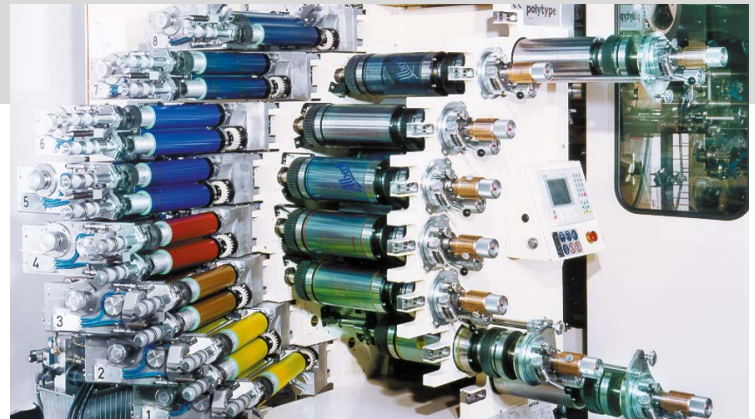
### Printing plate cylinder

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.

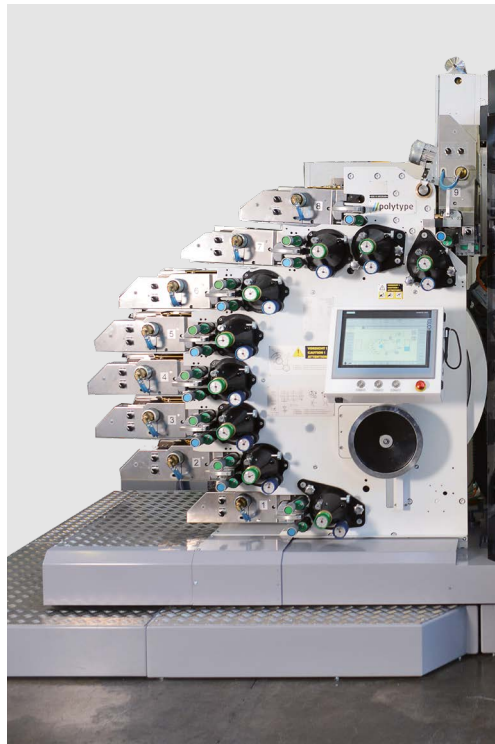


### High-precision printing unit

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.

# The right printing unit for the right application!

- // The state-of-the-art printing units are the result of decades of experience
- // Robust and durable construction for high-quality printing
- // polytype offers a printing unit solution for every decoration need



## The standard 8-color dry offset printing unit T91

- // 8-color printing unit frame
- // Inking trough with screw or levers
- // Separate duct roller drives
- // Central lubrication
- // Automatic roller-washing unit
- // Standard or magnetic printing plate cylinder
- // Ink mist removal
- // Plate cylinder Ø: 165 mm
- // Rubber blankets: 6 (3)

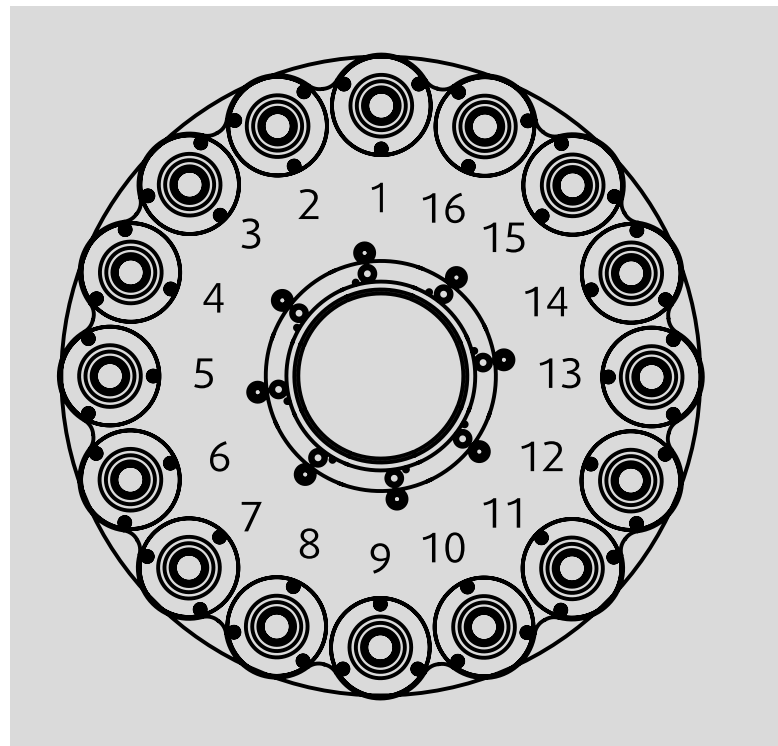
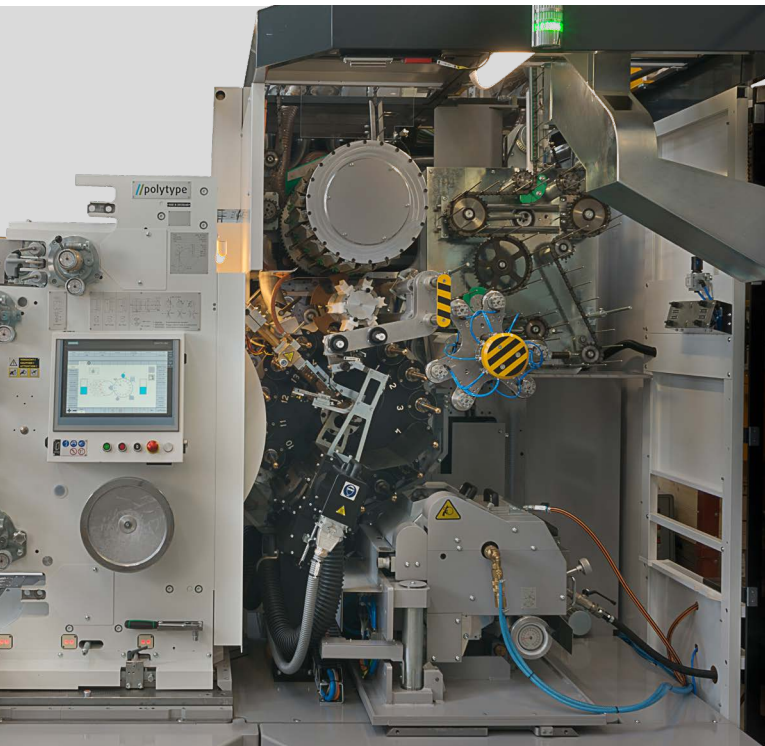
## The 9-color dry offset printing unit M91

- // 9-color printing unit frame
- // Inking trough with screw or levers
- // Separate duct roller drives
- // Central lubrication
- // Automatic roller-washing unit
- // Standard or magnetic printing plate cylinder
- // Printing pressure with fine adjustment
- // Covered gearwheels
- // Plate cylinder Ø: 165 mm
- // Rubber blankets: 6 (3)

## The dry offset printing unit T80 for small diameters

- // 8-color printing unit frame
- // Inking trough with screw or levers
- // Separate duct roller drives
- // Central lubrication
- // Automatic roller-washing unit
- // Standard or magnetic printing plate cylinder
- // Printing pressure with fine adjustment
- // Ink mist removal
- // Covered gearwheels
- // Toray printing method
- // Plate cylinder Ø: 100 mm
- // Rubber blankets: 8 (4)

- // 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 16-200/240 - 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

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