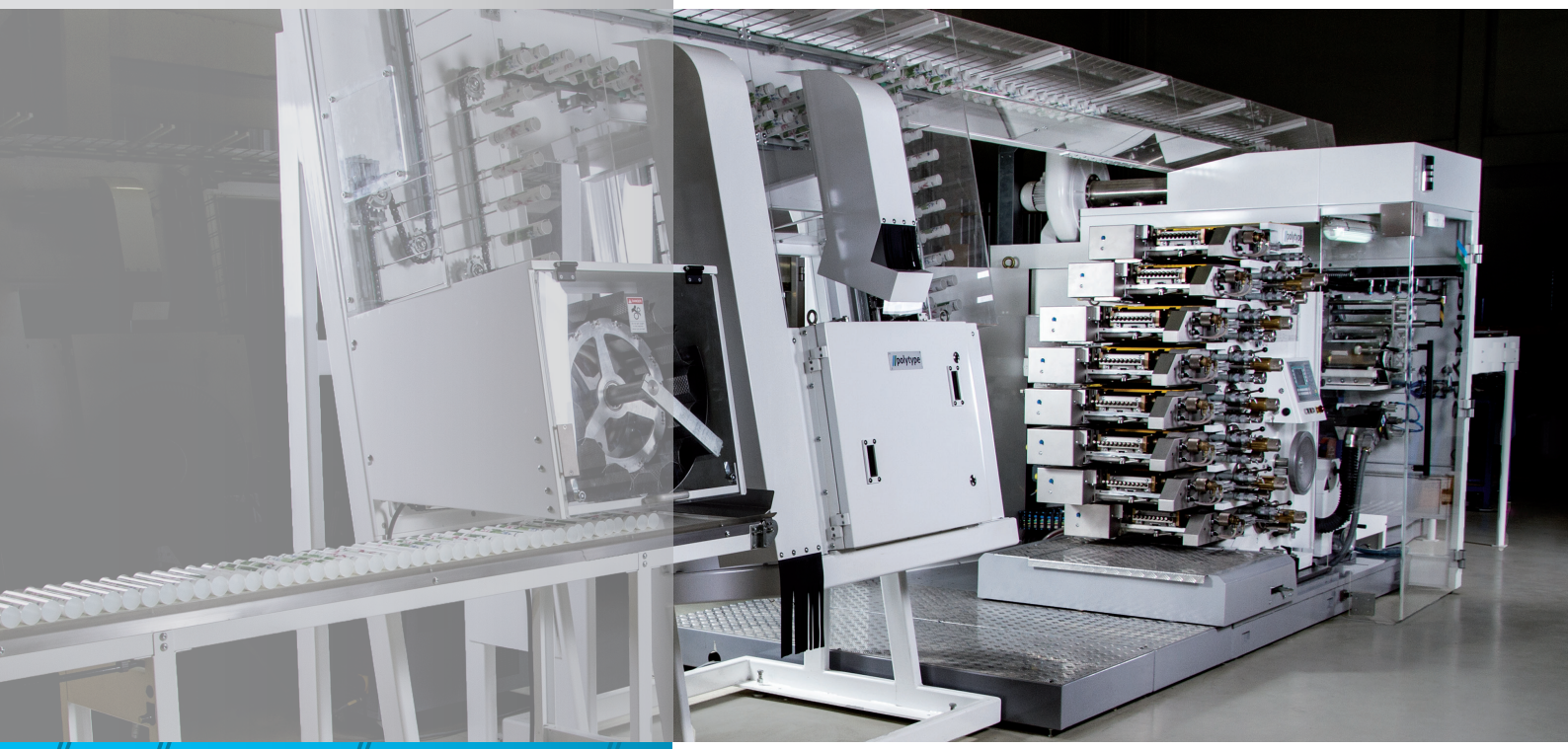
RDA 130 – hard-working



The compact dry-offset printing and lacquering machine for plastic tubes

//polytype

Passion · Innovation · Decoration

The right solution for your market needs

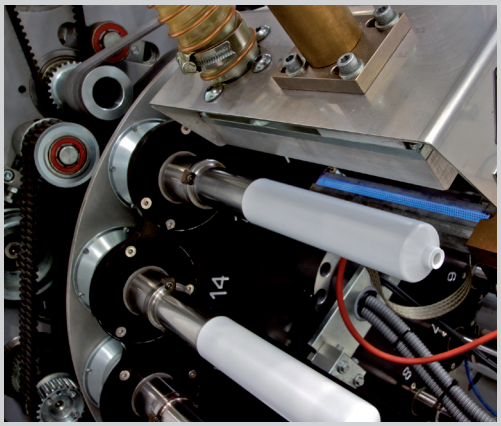
// Combined UV-curved dry offset printing and lacquering
// For printing 120 tubes or sleeves per minute
// Up to 8 colors for making your design reality
// Line integration possible
// Swiss design

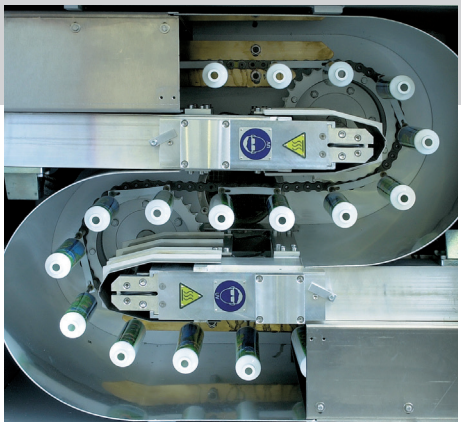
//polytype is a leading manufacturer of high-quality decorating and finishing machines for plastic tubes and sleeves. Customers benefit every day from the extreme flexibility and high productivity of //polytype solutions coupled with the company's process expertise and excellent service.

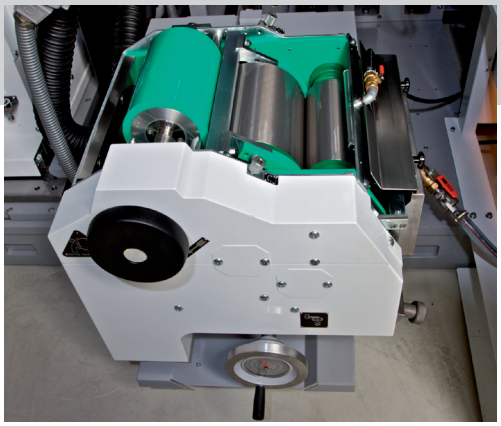
//polytype is part of the Swiss wifag//polytype Group, which operates globally and has branches in Switzerland, Germany, the USA and Thailand. This alliance gives //polytype access to a broad technology base and guarantees a global and professional partnership for your success.

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

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.







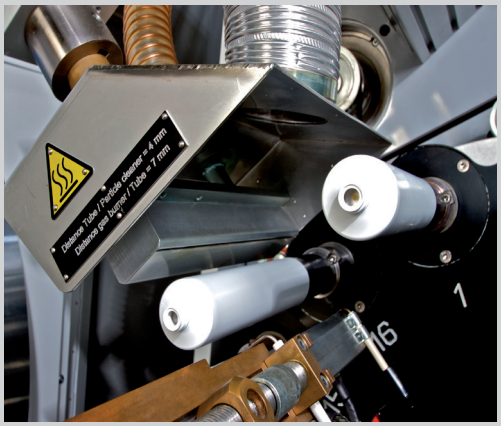
UV lacquer curing
The UV lacquer curing process takes place in a separate //polytype oven with progressive heat control. The path is S-shaped and equipped with two UV radiation elements. A swivel-mounted opening enables easy cleaning and simple reel changes.

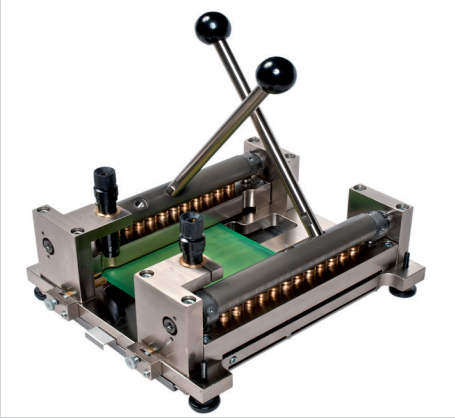
Squeegee lacquering unit
The lacquering unit ensures even application using a squeegee lacquering unit. The unit can be pulled out, which ensures excellent accessibility. A temperature control system is also integrated.

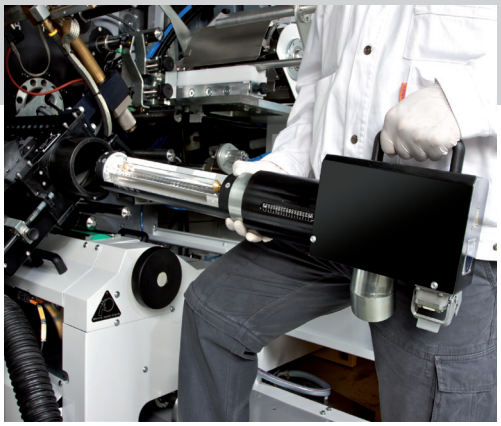
High-precision printing unit
The printing unit can reproduce print images comprising up to 8 colors in consistently high quality even over longer periods. Thanks to the ergonomic design and quick-change options, a print image can be changed within a very short space of time.

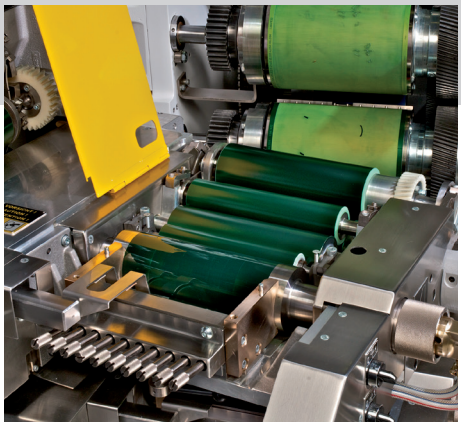
Ionisation with dust exhaust
To clean the tubes, particles are neutralized electrostatically and then cleaned of dirt particles using a vacuum.

Printing plate punching device
30x magnification helps ensure precise printing plate punching.







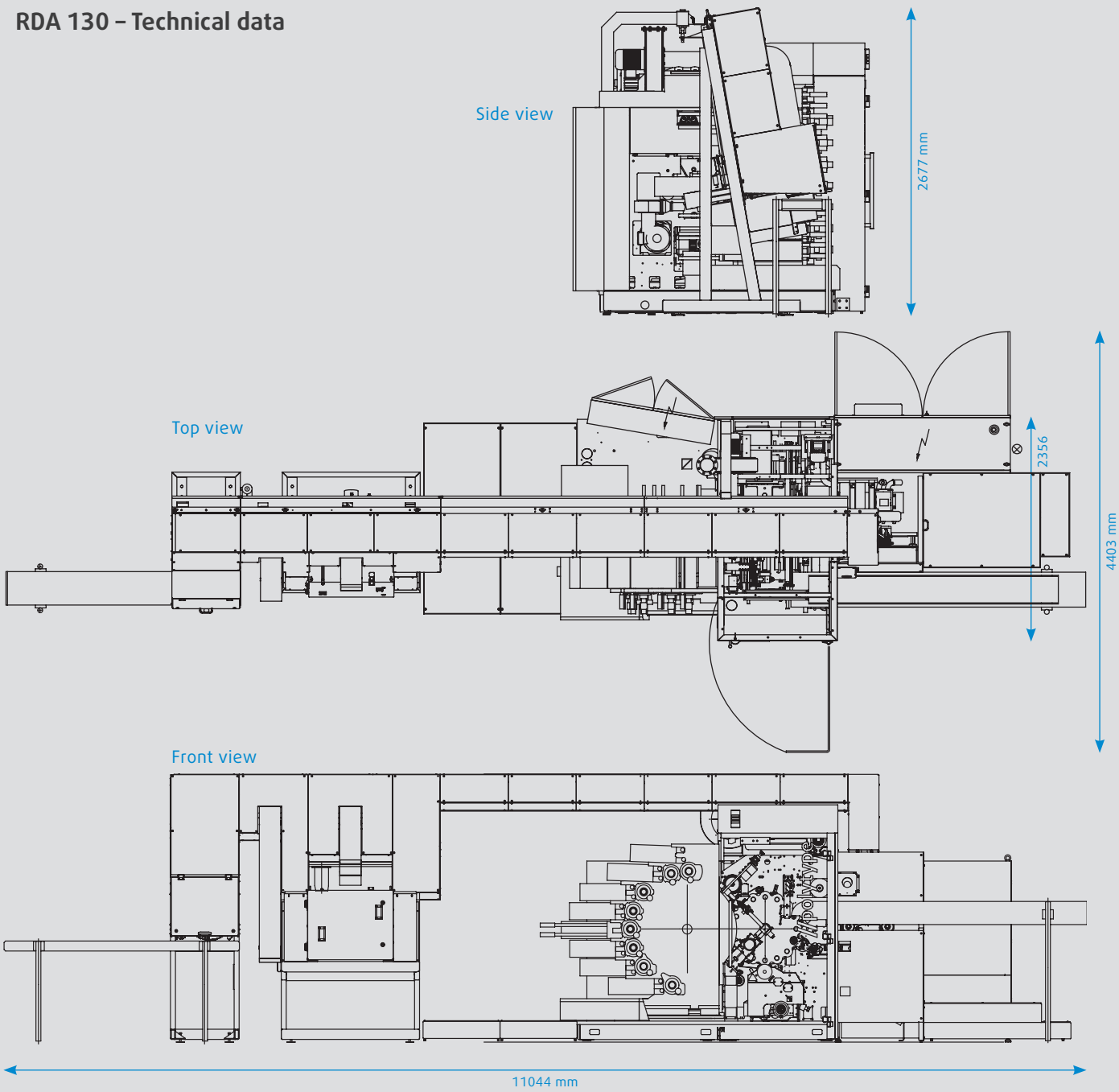


UV ink curing
The UV ink curing process is equipped with progressive power control. It was developed for quick lamp changes and ease of maintenance.

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.

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

RDA 130 – Technical data



Max. printing speed:	130/min
Min/max tube/sleeve length:	60-210 mm
Min/max tube diameter:	19-50 mm
Max. tube head height:	40 mm
Colors/inking units:	6-8
Mandrels:	16
Machine weight:	~10000 kg
Ambient conditions:	Temperature: 10°C-35°C (50°F-95°F); humidity 20%-80%
Safety:	Conforms to the highest requirements with respect to personal safety and environmental compatibility (CE conformity)

Features:
- 12-inch color touchscreen user interface with buttons
- Progressive adjustable ink metering system (via the control panel) for controlled ink flow
- One-sided operation
- No tube – no ink and no tube – no print
- X, Y and angle adjustment with rulers
- Lacquering unit
- Tube cleaning station with dust extraction
- Surface pre-treatment by flame

Options:
- Corona pre-treatment
- Orientation of the print as an independent system
- Ink stirrers (without alarm)
- Viscosity control without tempering, range from 15 to 150 sec DIN F4, tank 10 liter
- Sleeve transfer with TS grip mandrel and unloading by scraper
- Color head 1 & 8
- Pre-print system
- Printing plate punching device
- Accumulators and inline solutions
- X, Y and angle adjustment position with LED indicators and position indicated on operator panel

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