

wifag//polytype group

# DDM 160 – speed is of the essence



High-performance lid printing system  
with up to 8 colors

//polytype



- // Maximum production efficiency
- // Excellent print quality
- // Automation for one-man operation
- // Simple operation and maintenance
- // Intelligent control:
- // No lid – no ink and no lid – no print



//polytype is the world leader in the manufacture of systems for direct printing of plastic cups and lids. //polytype machines combine innovative technology with the highest levels of reliability complimented by the most user-friendly operation. Its international customers appreciate the modularity of the design and the expansion opportunities of the machines.

//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.

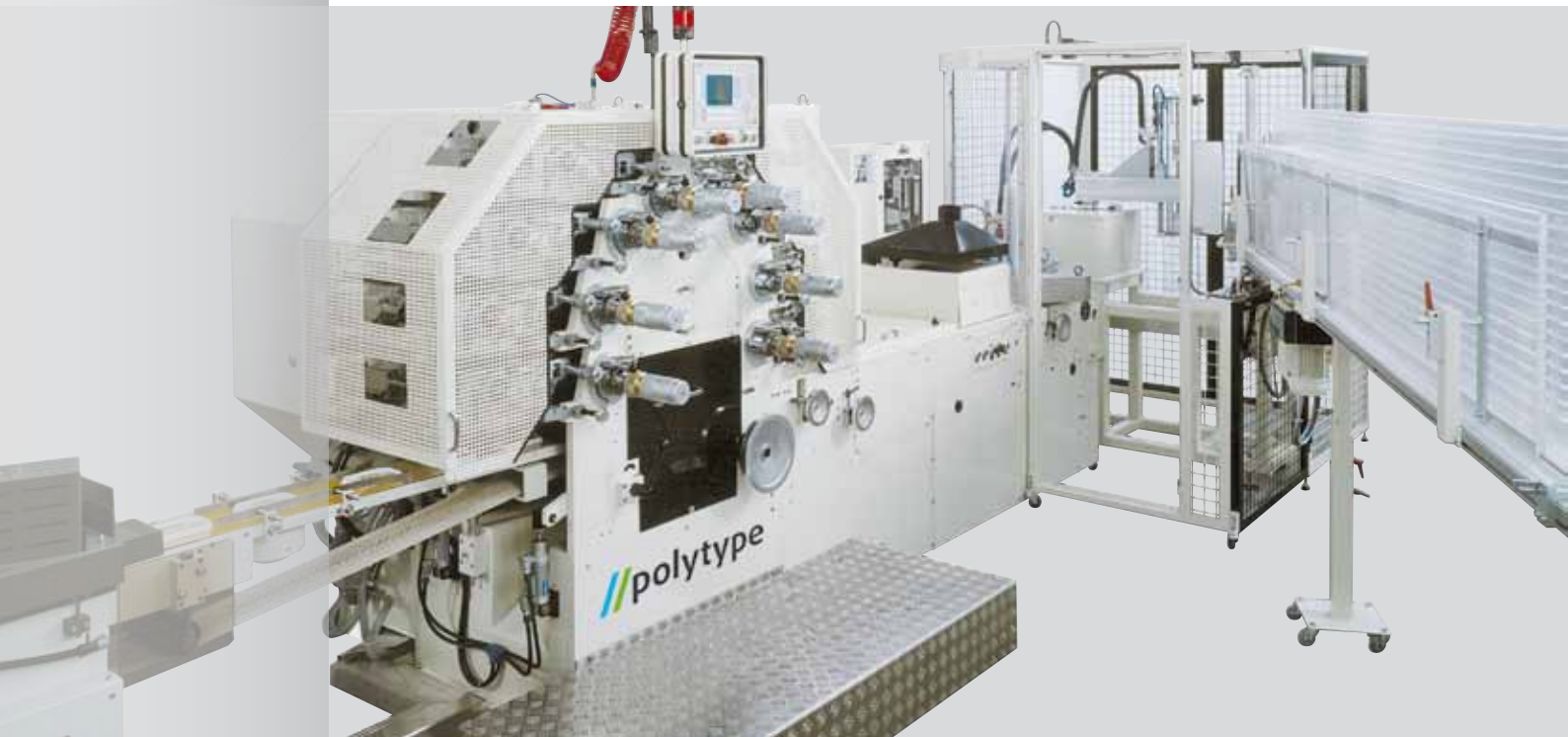
//polytype DDM 160 is a lid printing system offering optimum production efficiency. The printing/inking unit is designed for outstanding print quality to meet the highest requirements.

During development the focus was on fast and simple changeovers and ease of maintenance. As a result, the machine can handle small and medium batch sizes quickly and flexibly.

The graphic color display ensures a seamless interface between man and machine with status monitoring, production parameters and diagnostics.

All //polytype DDM 160 machines are designed to meet the latest CE safety regulations.

# For every cup there is a lid ... to be printed



//polytype DDM 160 is equipped with antighosting inking units with an ink agitator and leakfree ink fountains that are quick to remove. A separate drive makes for quick and easy automatic roller cleaning and pre-inking. Ductor roll cooling is available as standard, oscillator roll cooling as an option.

Progressively adjustable ink metering via a display panel enables a controlled ink flow for excellent full-area and halftone print results.

The standard built-in, withdrawable printing plate cylinder offers good access for washing and changing the blanket. It is equipped with a quick locking device and micro-setting for the register. It also has a fast change system for the printing segments. The standard equipment also includes twin bearing supports on the counter pressure roll.

- // Cooling facilities for ductor and oscillating rollers
- // Servo driven lid stacking for exact timing
- // Excellent accessibility and operation from one side only
- // Date store memory for reference data



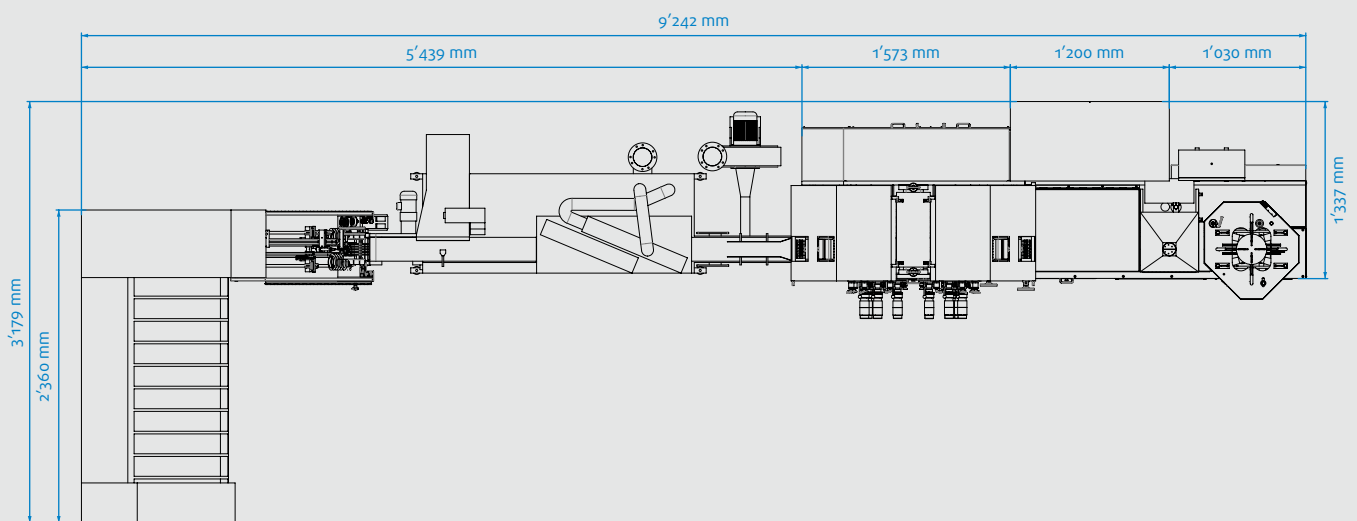
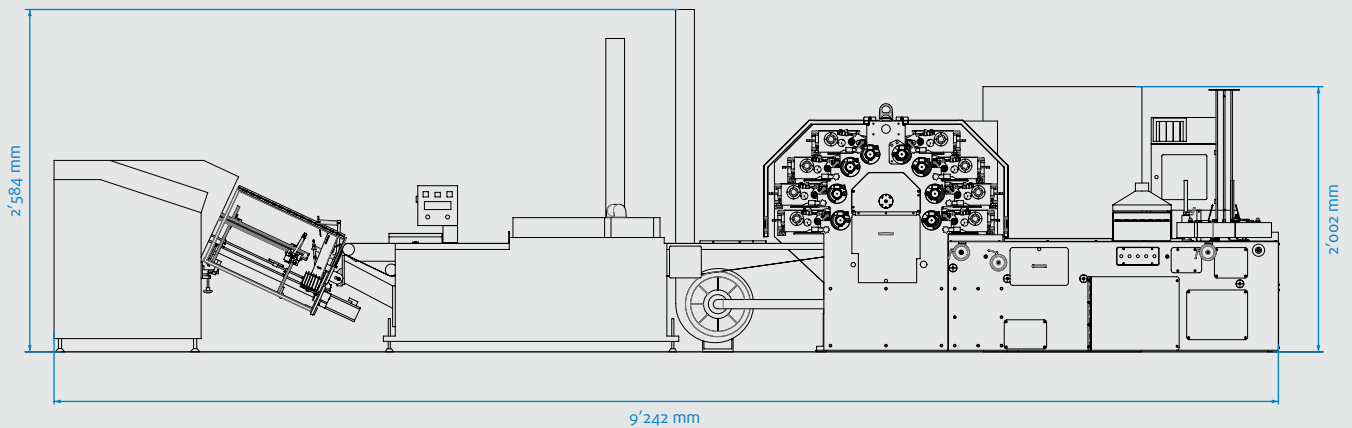
//polytype DDM 160 ensures quick and easy format changes thanks to its excellent accessibility. One-man operation is supported by an infeed robot comprising conveyor belt, feed module and multi-stack elevator. Tooling change of the feeding scrolls is also made easier thanks to the automatic lift-up scroll feeder.

The feed table is also equipped with central height adjustment and integrated cooling plate.

Gas pre-treatment with a preset, automatically adjusted gas/air mixture ensures the perfect preparation of the print areas. The gas pre-treatment has progressive flame control for propane, butane or natural gas. The intensity of the flame is regulated automatically by the machine speed.

The UV curing system has a 3-step switch (2/4/5.5 kW) and horizontal lid stacking with servo motor and multi-stack table.

The integrated lid counting device counts fed, ejected and stacked (printed) lids. There is an automatic lid blow-off device for scrap.



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.

Technical data	BDM 301-R
<b>Round lids:</b>	
Min./max. rim diameter	50-190 mm
<b>Polygonal lids:</b>	
Min. rim dimension:	50 x 50 mm
Max. rim dimension:	185 x 210 mm
Min./max. lid height:	5/25 mm
Max. dimensions of print area:	150 x 185 mm
<b>Option on request:</b>	135 x 150 mm
Max. printing speed (up to lids/h):	
Standard design	30'000/h
SPIN ROD design	36'000/h
Weight of main machine:	~5'200 kg

**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.**  
Seriante (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