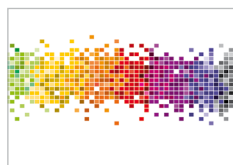




//polytype
for every demand a perfect solution



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//polytype Takes Center Stage in Digital Printing Machine Developments

//polytype, a pioneering name in printing machines for plastic cups and extruded tubes, is making waves once again with its cutting-edge digital developments and strategic expansion. Since the inception of their digital printing machine venture in 2010, Polytype has continuously innovated to provide unparalleled solutions for various applications in the plastic packaging sector.

The journey began with the development of digital printing on flat substrates, which quickly paved the way for groundbreaking advancements. //polytype's commitment to excellence saw the creation of digital printing machines specifically tailored for round cups. Building on these successes, //polytype announces the highly anticipated launch of its enhanced digital printing machine for tubes, cans and cartridges, the DigiTube G3.

Today, //polytype boasts a comprehensive portfolio of digital inkjet printing machines catering to an array of packaging types. From cups (DigiCup) and lids (DigiLid) to bottles (DigiBottle), tubes and cartridges, the company's products have become synonymous with unparalleled quality and productivity. Emphasizing their dedication to continuous innovation, //polytype remains steadfast in its commitment to advancing digital printing technology further.

"We take immense pride in our digital printing machines and their impact on the plastic packaging industry," said Mr. Cotting, Printing Process Manager for digital printing machine from //polytype. "Our ongoing focus lies in enhancing productivity and printing quality, ensuring our customers stay ahead of the competition in a rapidly evolving market."

Exciting developments are already underway, with the latest digital printing machine for tubes poised to be a game-changer. Offering up to 8-color printing capability (White + Cyan, Magenta, Yellow and Black + 3 colors) and a remarkable speed of up to 150 prints per minute, the new DigiTube G3 boasts unprecedented height resolution. Moreover, it will incorporate groundbreaking features to enhance productivity, giving businesses an edge in meeting increasing market demands. The company plans to unveil this revolutionary machine in the coming months, setting new industry benchmarks.

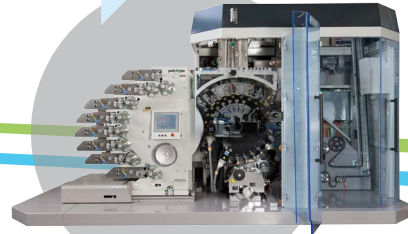
Notably, the advancements made in the tube printing machine will also positively influence //polytype's existing digital printing machines for cups and bottles. Customers can expect to benefit from enhanced capabilities and even higher printing quality as the technology continues to evolve.

With a reputation for innovation and customer-centric solutions, //polytype remains at the forefront of digital printing machine developments. Their dedication to pushing the boundaries of printing technology has earned them the trust of global clients seeking cutting-edge solutions for their packaging needs.

2012
DigiCup



2013
RDA Hybrid



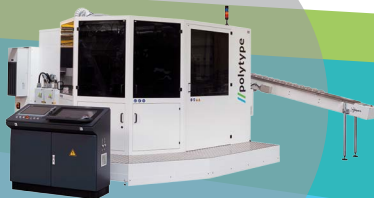
2016
DigiLid



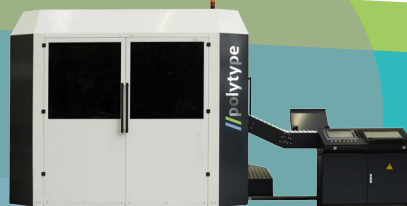
2015
DigiCup



2018
DigiBottle



2019
DigiTube/Can



2024
DigiTube G3



//polytype Introduces New Prime Offset Printing Technology for Plastic Tubes and Sleeves, Unleashing New Printing Possibilities

//polytype announces the groundbreaking development of the Prime Offset printing technology for plastic tubes and sleeves, revolutionizing the printing industry of plastic tubes. The new Prime Offset marks a milestone in printing, offering enhanced capabilities for process printing and/or hexagonal printing at remarkable production speeds of up to 240 pieces per minute.



The cornerstone of this innovation is the introduction of a cutting-edge hybrid printing unit, specially engineered for this printing process. This hybrid unit combines the prowess of photorealistic printing using the Prime Offset process with the flexibility of conventional designs achieved through the dry offset printing process. The result is the ability to realize unique and captivating designs with Prime Offset, all while

maintaining exceptional productivity. Meanwhile, the option to switch to the dry offset mode allows for printing of existing designs, providing utmost versatility to the users. The quick change-over time for Prime Offset further enhances the overall printing efficiency.

The Prime Offset printing process showcases outstanding features that set it apart from traditional printing

methods. Notably, it allows for the creation of photo-realistic prints, sharp rendering of positive and negative text, smooth gradients to zero in both the X and Y directions, and an impressive high-resolution output of up to 200 lines per inch. (See comparison Prime Offset / Dry Offset / Flexo at the following page).

>>>



	Prime Offset printing	Offset printing	Flexo printing
Photo realistic print	+	–	+
Sharp printing (Positive/Negative text)	++	+	–
Print resolution L/inch (up to)	200 L/inch	135 L/inch	150 L/inch

These exceptional capabilities elevate the visual quality of printed materials, catering to diverse design requirements and preferences.

For more information about Prime Offset and how it can revolutionize your printing operations, please contact [//polytype: info@polytype.com](mailto:info@polytype.com)

The hybrid printing unit is fully compatible with the RDA16-240 high-speed printing machine and the RDA X printer. Tube producers can now take advantage of the Prime Offset technology to produce high-quality photorealistic images at a cost-effective price point, empowering them to create eye-catching packaging that captures consumers’ attention. Additionally, manufacturers can continue to cater to established tube buyers with existing designs, thanks to the integration of dry offset printing within the same unit.

//polytype introduce the new DigiTube G3: Setting New Standards in Plastic Tube Decoration

//polytype is proud to unveil the latest innovation in digital printing technology with the introduction of the DigiTube G3. This next-generation machine is poised to redefine the landscape of plastic tube decoration, catering to the exacting demands of the cosmetic tube market. With its advanced features and enhanced capabilities, the DigiTube G3 promises to be a high interesting solution for decoration of tubes in the packaging marked.

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Meeting Demands of the Cosmetic Tube Market:

Recognizing the rigorous standards of the cosmetic tube industry, //polytype has developed the DigiTube G3 as the successor to its digital printing predecessor. This machine emerges as an answer to the high expectations of the market, equipped with novel features that contribute to both efficiency and innovation in digital printing.

Key Features:

Multifunctional Adaptability: The DigiTube G3 stands as a versatile multifunctional digital printing machine, with the capability to decorate various types of packaging materials including cartridges, tubes, capsules, and cans. This adaptability positions it as a comprehensive solution for a wide range of applications.

Enhanced Production Speed: A standout feature of the DigiTube G3 is its significantly improved production speed, now capable of achieving rates of up to 150 tubes per minute and this without any quality losses. This boost in speed translates to higher throughput and optimized productivity.

Expanded Color Space: The machine boasts an extended color space, expanding the palette to encompass eight colors. This includes essential white prepress, the foundational four process colors (cyan, magenta, yellow, black), and an additional three colors such as orange, violet and green. Furthermore, the inclusion of the option to apply white ink twice enhances coverage and color vibrancy, facilitating vivid and high-coverage prints.

Uncompromised Print Quality: Building on the benchmark set by its predecessor, the DigiTube G3 maintains the same impeccable print quality and resolution, ensuring consistent, high-quality outputs that meet the industry's stringent visual standards.

Modular Color Stations: A noteworthy innovation lies in the design of the DigiTube G3's color stations, which are installed within interchangeable cassettes. This modular approach streamlines color station servicing and facilitates the integration of new color stations, offering operational flexibility and agility.

Conclusion:

The DigiTube G3 represents a leap forward in digital printing technology, setting new benchmarks in plastic tube decoration. Its multifunctional adaptability, enhanced production speed, expanded color space, and modular design position it as a pioneering solution that aligns with //polytype's commitment to innovation and excellence. We invite you to visit our facility to immerse yourself in the transformative capabilities of the DigiTube G3.



Top FIVE Benefits of Preventive Maintenance on //polytype Tube machine

1. Reduce risk of breakdowns
2. Lengthen machine lifetime
3. Advantages through increased efficiency
4. Increasing customer satisfaction
5. Cost savings



1. Reduce risk of breakdowns

Preventive maintenance offers a vital advantage of reduced breakdown risk. Nearly all mentioned benefits stem from this lower risk. Delaying maintenance until failure endangers productivity and reputation. The most of mechanical failures arise from preventable issues, addressable through effective planning. Proactively scheduling maintenance substantially minimizes equipment failure risk, ensuring confidence for facility leadership.

2. Lengthen machine lifetime

The primary advantage of preventive maintenance is extending //polytype machine lifespan. Maintaining equipment's good condition results in prolonged operation and cost reduction. Facilities leaders use MTBF — mean time between failures — as a vital KPI (Key Performance Indicator) for informed maintenance choices. Tracking MTBF facilitates timely preventive maintenance, averting breakdowns. A robust downtime tracking system is so effective that most companies implementing preventive maintenance report heightened equipment lifetime.

3. Advantages through increased efficiency

Routine preventive maintenance not only extends equipment lifespan but also enhances efficiency. Overall Equipment Effectiveness (OEE), a key maintenance KPI, machine efficiency across availability, performance, and quality.

Availability: Opting for preventive maintenance translates to increased equipment uptime and availability, as the downtime required for scheduled preventive measures is generally shorter than that for reactive maintenance.

Performance: Properly maintained printing and capping machines have a stable production output, which will have a big impact in the productivity of the hawl line.

Quality: Good maintenance also has a great impact on stable quality. In addition to stable production, the amount of waste is also reduced.

4. Increasing customer satisfaction

Unscheduled machine downtime often puts production in a difficult position. Promised delivery dates could be jeopardized. This difficult situation can largely be avoided through preventive maintenance. This makes the tube manufacturer a reliable partner for its customers, which in turn leads to higher customer satisfaction.

5. Cost savings

The core advantage of preventive maintenance is cost savings, stemming from the factors mentioned. Unplanned maintenance expenses are often 2 or 3 times higher than planned maintenance. Reactive maintenance necessitates rushed part shipping, specialist compensation, and lost revenue/productivity. Despite initial apprehensions due to budget constraints, the upfront expenses of preventive maintenance are an investment in the company's future prosperity.

So, the arguments are on the table. Plan your next Preventive Maintenance with //polytype and contact us at: service.eu@polytype.com



DigiTube / DigiCan



DigiCup / DigiBottle



DigiLid



Cans



Closures



Tubes



Bottles and Jars



Cups

Lids and Boxes

//polytype, the Swiss expert for digital printing, is a decoration machine provider for different packaging solutions such as cosmetic tubes, jars, cups, lids, bottles and closures.

The key to your success

- // 360° service from a single supplier
- // Highly reliable printing machines with high level productivity
- // Solution for fast design changes and photorealistic decoration

//polytype – your partner for digital decoration
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