If you are looking for a flexible machine that enables fast changeovers of cup shapes and print images, then //polytype BDM 681/682 is the machine for you. A few user-friendly adjustments is all it takes to ready the machine for the next production series. What’s more, it delivers very high cycle times and optimum production speed for your cups.

//polytype systems are ideal for just-in-time production. Large volumes can be produced reliably within a very short space of time. And the modular design enables fast product changes to ensure that changeovers are child’s play.

//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 machines for round cups

BDM 681/682 – perfect timing

High-performance machine for round cups

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Perfect timing – fast, reliable and accurate

- Cleverly designed one-man concept
- Automatic maintenance display
- Easy access to all components
- High reliability

The wide feed elevator (2.1 m) with high storage capacity and electronic stoppers ensures controlled pressure of cups to feed scrolls. A protective enclosure enables excellent access to the print and transfer areas. This process ends with a discharge table with a precise sensor counting device.

Pre-printing (polytype patented) – optional
Pre-printing on the polytype cup printing machine is an innovation. The base color is pre-printed and dried immediately in an intermediate stage. This means that print images can be printed on the cup within the same cycle. Pre-printing achieves very high image contrasts and corresponding ink saturation on transparent cups (PP/PS/PET). This option is available on polytype BDM 682. It can also be retrofitted on all previous models.

Good service is worth its weight in gold

- Optimizing your machine for higher productivity
- Additional service options
- Preventive measures to extend the service life of your equipment

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.

polytype BDM 681/682 is very user-friendly and designed for one-man operation. All main components are easily accessible and everyinking can be carried out individually. Functions such as automatic washing and pre-inking of inking units are available to cut changeover times. All register settings can be made on the fly.

A large multifunctional touchscreen operator panel makes for simple machine control. It can be used to save process data and visualize production data and maintenance work.

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Torque motor – optional
As an alternative to traditional mechanical drives comprising indexer, worm gearing and motor, polytype BDM 681/682 can be fitted with an electric torque drive to increase the machine’s efficiency and flexibility. This solution offers maximum productivity by optimally adjusting the switching angle. It also reduces and optimizes the maintenance requirements.

Positioning – optional
polytype has developed a positioning system for technically demanding products, such as two-compartment containers. In this case, the container is pre-positioned, pre-printed and printed in the printing station in a single pass. The combination of torque drive, pre-printing and positioning system ensures maximum flexibility for cup printing.