We print the future, today and tomorrow...
Rotamac 6 is designed for easy handling and fast change of designs. As Buser standard all machines are equipped with:

- individual screen drive with servo motor
- panel on operation and non operation side
- diaphragm color pumps for low maintenance and high efficiency
- PLC with touch screen for easy operation
- modem for remote trouble shooting via Internet
- design storage for repeat orders

- For finely-graded color application
- Electrical adjustment of squeegee angle. Range 20°, stepless
- Penetration of color adjustable by contact pressure
- Permanent magnet system
- Selection of rollers with various Ø for color application
- Pressure by adjustment of beam in which magnets are located
ROTAMAC 6 – MODULE

Printing widths: 1700, 2100, 2500, 2900 or 3300 mm

Repeats: 641, 669, 688, 820, 914, 924, 971 and 1018

Colors: up to 24

- AC Drive motors servo controlled
- Thermoplast glueing unit
- Wet glue unit with electronic glue application control system
- Highest accuracy
- Easy operation and screen handling

Customer can select between various options:

- U-Type or V-Type screen bearing heads
- Universal screen bearing (U-Type) is ready for all repeats from 641–1018 without any additional equipment
- U-Type MC a standard equipped with open screen bearing, handling system and magnetic squeegees, for easy and fast design changes, for best efficiency
- V-Type are available with magnetic or blade squeegee open or closed screen bearing heads

Same panel on operation and non operation side of MC.

- All settings electric / electronic
- All settings can be stored and recalled for repeat orders!
- Operation is easy and fast
E8 is based on the world first flat bed printing machine Buser presented in 1944. The twin drums of today’s model are driven and synchronized by 2 servo motors.

The main area of operation for E8 is fashion and other application requiring table length up to 32 m and up to 16 colors.
E8 uses the new print-unit 88-II. Each printing unit has its own PLC with small touchscreen. The PLC control gives a possibility of a wide range of printing settings, all this data can be easily exchanged between all print-units. Screen frame take up can be for original Buser or for Asia screens.

The fabric compensator is also controlled by servo technology – In addition to the fabric speed control, the E8 fabric compensator is able to control the fabric tension. The result is an equal tension over the printing cycles and from the beginning to the end of big batches.

E8 has the unique solution for fabric gluing. E8 is using a roller in combination with the Buser patented permanent magnetic-system. The magnet gives an equal pressure over the full fabric width and the roller reduces the friction on fabric and printing blanket. The result is a higher printing accuracy, long life of material and low maintenance costs.

**NEW!**

Special executions
- Individual screen lifting for Indian saree
- Panel print with big repeat and short machine table
- Heavy color application for blanket and terry towels
- Feed-in for terry towels with fixed length from rolls. With optical length control of each single towel. Fully automatic without any loss of production speed and printing accuracy!
F8 is the classic Buser flat bed printing Mc with 100% continuous fabric feed in and printing belt transportation with magnetic clamps. This guarantees the highest possible printing accuracy also for very long printing tables.

The main domain for F8 is silk, scarf, panel and bed sheet print or any kind of elastic or delicate fabrics. Up to 60m tables and up to 24 colors is standard, longer tables or more colors, as special executions are available.

**NEW!**

- Individual screen lifting for Indian saree
- Panel print with big repeat and high number of colors
- Heavy color application for blanket and terry towels
- Fed-in for terry towels with fix length from rolls. With optical length control of each single towel. Fully automatic without any loss of production speed and printing accuracy!
The new print-unit PU 88-II, with twin servo drive gives a perfect access and view to the screen. Repeat changes become very easy and fast, the parts to exchange for different repeats beside the squeegees is negligible.

Each printing unit has its own PC with small touchscreen and is able to communicate with main PLC and other PU.

PU88-II is also available for older Buser flat bed machines.

Buser not only pursue the target of fast repeat and color way change – to reduce maintenance and optimize live time is the other goal.

Moving mechanical parts are reduced to a minimum and material is generally stainless steel.

The results of the continuous belt drive with compensator are:

- Continuous fabric feed, with very low and equal fabric tension, specially required for knitted, elastic and other delicate fabrics.
- Continuous = equal fabric heating a must for perfect thermoplast glueing
- No stopping marks in case of wet glue application
- Continuous belt washing for high efficiency and low water consumption

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**F8**

**Types:** F8 Hydraulic, F8 Electric

**Machine types:** 1680, 2100, 2490, 2750, 3200

**Printing widths:** 1510, 1930, 2330, 2590 and 3230 mm

**Cloth passages:** 1700, 2100, 2500, 2850 and 3250 mm

**Useful lengths:** 14m/16m/18m... up to 60m

**Colors:** up to 32
DRYERS
Simple handling – Durability by high quality – Economical

DRYER D4 – ECONOMICAL
- Heating sources either by steam, oil or gas (direct heating)
- Frequency controlled circulation fans
- Moisture content of circulation air controlled by exhaust fans
- Automatic temperature control in each section
- Excellent insulation
- Pre-assembled sections, erection therefore fast and easy
- Modular design
  Standard: Dryers from 2 to 6 sections
- Special executions are available
EASY MAINTENANCE
- Easy access to drying chamber by large doors
- Air jets movable, easy to clean
- Easy access to fans and air filters

MODULAR DESIGN
- Polymerization with fabric on belt for short reaction time
- Polymerization in additional chamber for longer reaction time and various temperatures
- Polymerization Dryers

DRYER TYPES
- High or medium-high dryers for flatbed printing machines
- High, medium-high or low standing dryers for rotary printing machines
**Sampling Tables**

Simple handling – Durability by high quality – Economical

**Types**

- Flat Screen and Rotary sampling machines are available in the following widths: 1700, 2100, 2500, 2900, 3300 mm
- For Flat & Rotary combined sampling machines the widths are: 1700/2100, 2100/2500, 2500/2900, 2900/3300, 3300/3700

**Sampling Tables**

- Reliable and easy testing of rotary and/or flat screens, with highest printing accuracy
- Various types in width and length, depending on customer request
- Combined execution for flat and rotary sampling available

**Tables for Short Runs**

- Longer belt
- With dryer
- Washing device
- Winding/unwinding equipment

Print Unit 88-II with individual lifting (same as used for saree printing)
Note: Descriptions and illustrations in this brochure correspond to the state of development at the time of printing and are subject to technical modifications. The contract documents exclusively are binding for scope of delivery of specific projects.
1929 Buser started as a mechanical workshop and an engineering company – Research, Prototyping and Services for the industry (textile) was the main business. The founder of the company, Fritz Buser, had a dream: He wanted to give his name to an innovative, high quality and reliable product, which would make him famous worldwide.

1948 it became reality — Fritz Buser presented his own product: The world’s first automatic screen-printing machine for textiles. Other products followed — but the textile-printing field remained the core business.

Today, Buser Print Systems Ltd. is exporting nearly 100% of its turnover. Requests of customers all over the world are different. Electronics and software give us the chance to supply machine control systems in a various number of languages. The modular machine-concept of our new product families Flat E8, F8, Rotamac 6 and Dryer D4 allows us to supply you a customer tailored installation to a reasonable price.

Other tools guarantee a stable reproduction for repeat orders or a minimized down time and loss of fabric during design change, or just highest productivity — in other words, the goal of our development is to achieve maximum benefit for our customers.

Yours

J. Voegelin, President & Owner