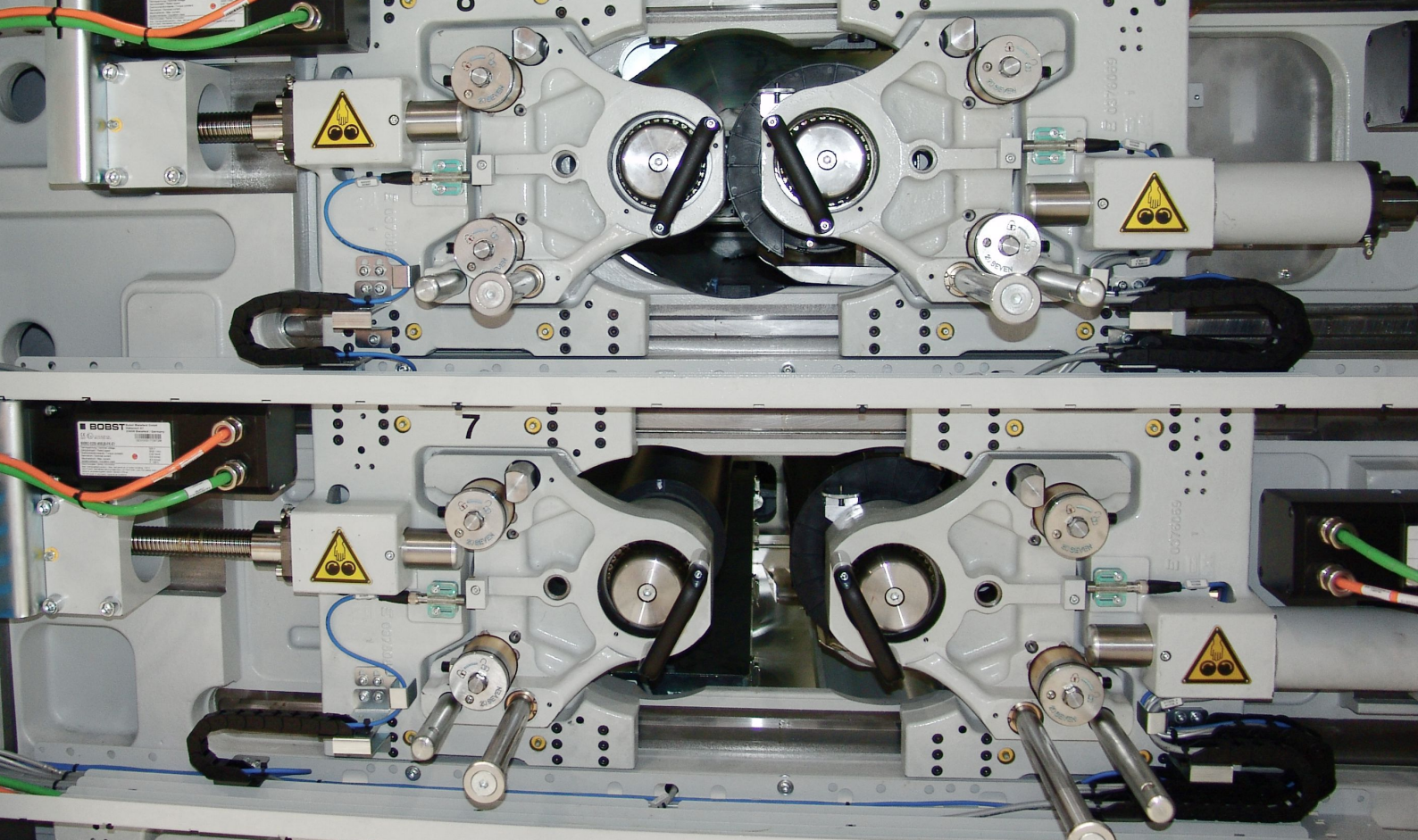# 20SEVEN

Expanded process consistency

BOBST

DESIGNED WITH EXTENDED COLOR GAMUT PRINTING REQUIREMENTS IN MIND
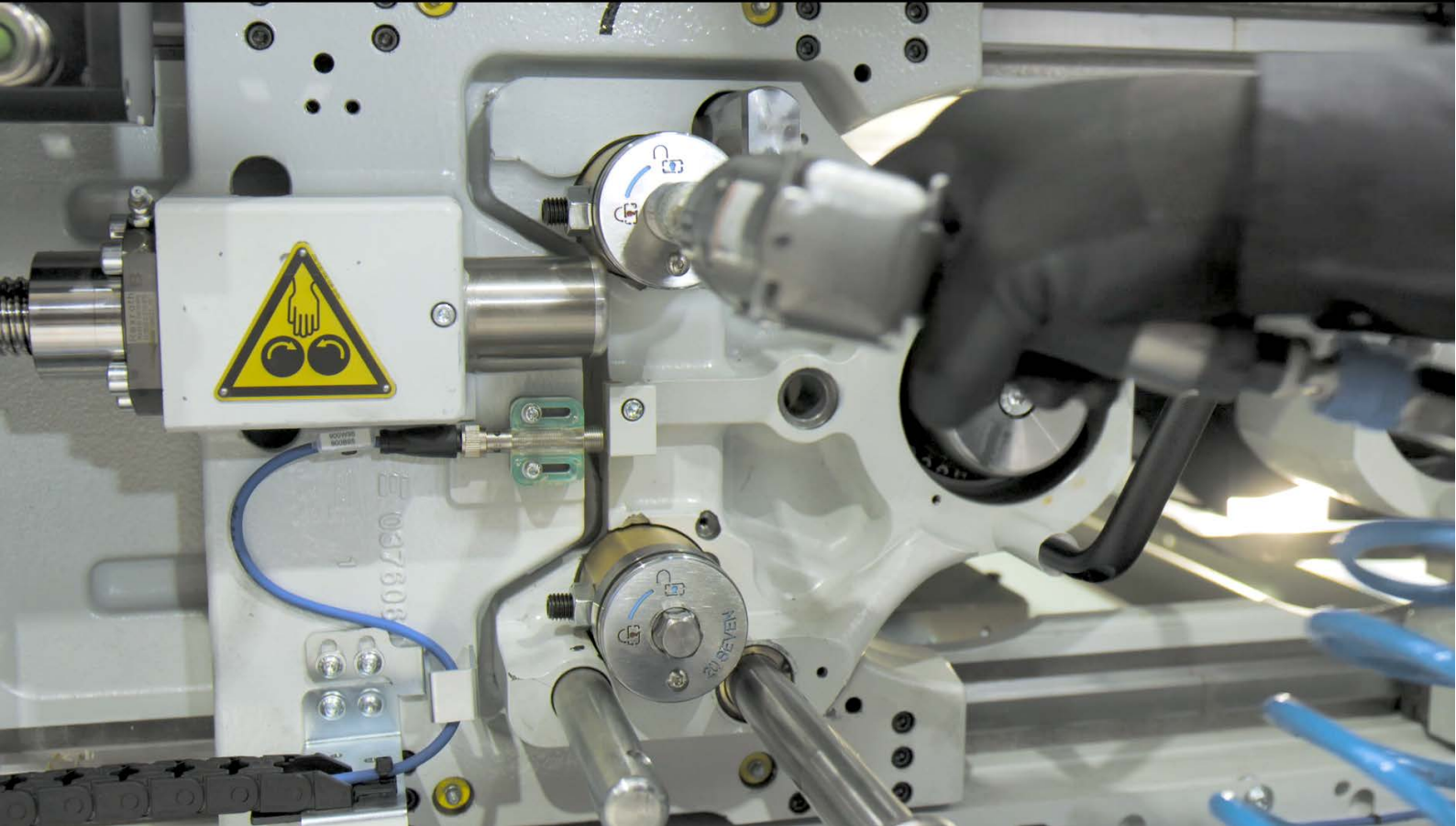

The very latest press in the range of BOBST CI flexo printing solutions, the 20SEVEN sums up the objectives of BOBST's continuous updating and upgrading of its flexo printing technology aimed at maximizing process consistency and delivering solutions which are ready to take on the future requirements of packaging.

The 20SEVEN delivers increased efficiency with conventional printing, and the notable improvements in mechanical design and process control make the machine a perfect fit for the requirements of the 7-color Extended Color Gamut printing process.

The 20SEVEN can be customized to special production requirements with a number of options such as downstream flexo units, gravure printing units and turning bars for reverse printing.

PRINT UNITS AND INKING SYSTEM: SUPERIOR QUALITY GRAPHICS GUARANTEED

With all 20SEVEN models, the CI frames and print units uncompromisingly follow the same design principle of highest mechanical rigidity and state-of-the-art drive and control technologies.

The new **triLOCK** system featuring an exclusive BOBST 3-point controlled high torque locking mechanism driven on two opposite linear guides that matches the highest print quality requirements of the Extended Color Gamut process. By eliminating manual locking, the system avoids process inconsistency and even the slightest deviation from the perfect positioning.

Controlled inking is of great importance in ECG printing and the new features of the **smartFLO** inking system and chamber doctor blade, optimizing the temperature and flow of ink, deliver predictable, stable and controlled printing results with both solvent-based and water-based inks. This enables users to take full advantage of the opportunities of ECG to reduce manufacturing costs, increase consistency, and reduce errors and variables due to manual setting.
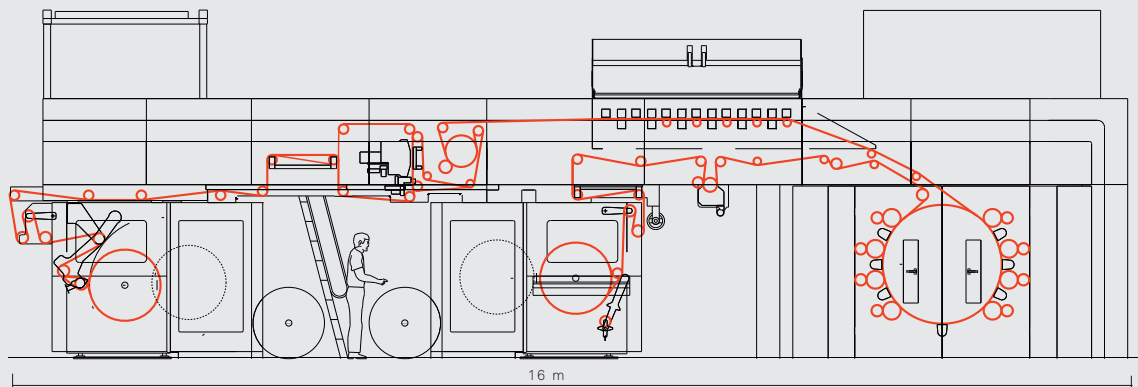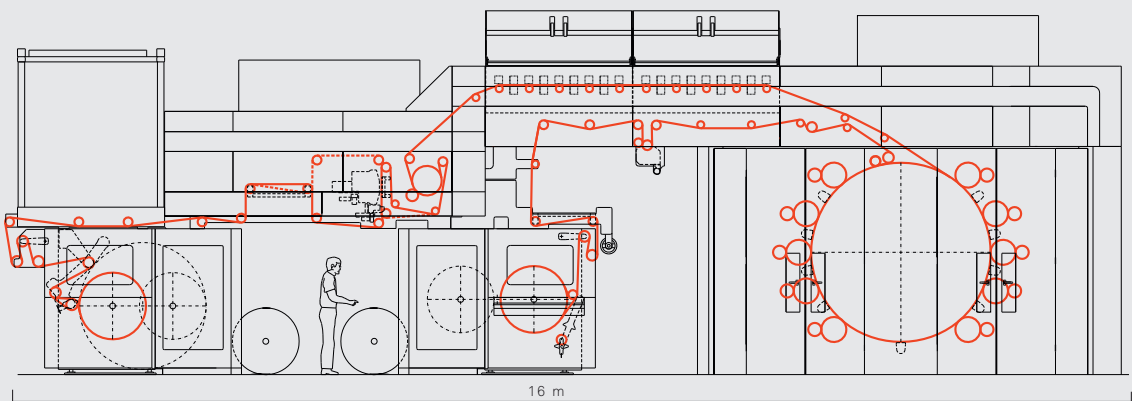
COMPACT DESIGN

You will be surprised by the small footprint of the 20SEVEN - no matter if it is an 8-color or a 10-color model. And this specifically applies for the „face-to-face" winder configuration which is available for all 20SEVEN models. With this configuration, the unwinder and rewinder reel handling is done from the same place in the machine so that no additional space for rewinder reel handling is required at the end of the machine as would be the case with the standard winder configuration. This makes the 20SEVEN suitable even for small production halls.

As an additional benefit, the „face-to-face" configuration clearly separates the winding area from the CI area, whilst at the same time, the operator has a good view of and quick access to both from the HMI located in between these two areas.

20SEVEN 8 colors

16 m

20SEVEN 10 colors

16 m

TECHNICAL SPECIFICATION

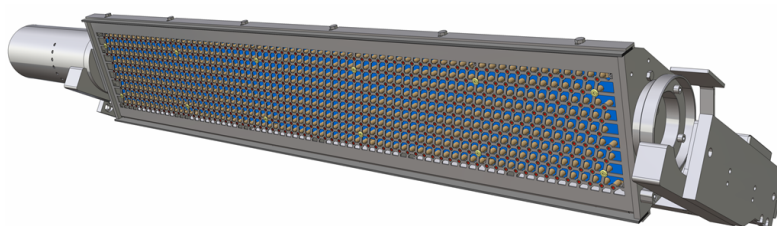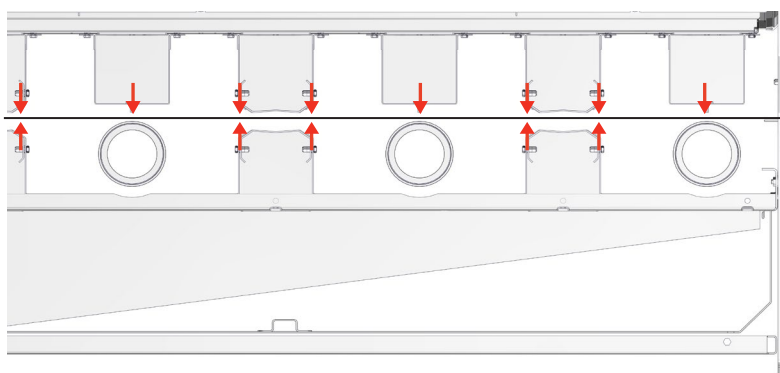|	20SEVEN	
	8-color	10-color
Print width mm (inch)	1050 - 1450 (41.3 - 57)	
Print repeat mm (inch)	370 - 1200 (14.6 - 47.2)	
Speed m/min (ft/min)	400/500*/600* (1312/1640*/1968*)	
Web tension area N	20 - 700	
Ink system	solvent- / water-based	
Dimensions Lx H xW mm (ft)	16 x 5,5 x 5,5 (52.5 x 18 x 189)**	

*optional
**standard configuration

DRYING SYSTEM:
EFFICIENT AND USER-FRIENDLY

Featuring both floating and impingement type nozzle technology, optimized air flow, and the use of recycled air, the dryer is a model of efficiency. The motorized dryer hood allows for user-friendly access for maintenance purposes or for webbing within seconds. Similarly, the BC dryers can be accessed easily and the jet inserts can be removed without tools.

Its modular design allows for adapting the bridge dryer to specific production requirements. Depending on the ink system (water- or solvent-based), ink coverage, and production speed, the press can be equipped with the required number of drying modules.

Also concurring to superior performance, especially when printing with water-based inks at speed, is the **Full Surface Matrix** (FSM) dryer which guarantees perfect drying at reduced temperatures thereby eliminating the issue of substrate stretching.

MAXIMUM PRODUCTIVITY

It is not only the print quality the machine delivers that ensures your competitive edge but also its fast change-over capability. Easy accessibility, user-friendly handling concepts for sleeve and cylinder changes, automatic systems for impression and registration setting and for inking and cleaning of the print units, and auxiliary systems for changing large format cylinders ensure extremely fast change-overs.

"Smart" impression setting systems

With the fully automatic set-up system smartGPS ™, you will achieve the perfect register and impression position faster and more efficiently than with any other system on the market; off-press during the mounting stage and with close to zero waste of substrate and production time; and saleable quality from the first impression, allowing profit or even the smallest orders. For semi-automatic set-up, the smartSET system is available. It is a highly efficient on-press system that considerably re-duces waste and increases production time. Using existing micro dots, smartSET does not require additional control marks. Being a non-optical system, smartSET works with all substrates including reflective ones.

ColorControl - the fastest way to match color

Color matching is an important and in most cases time-consuming process step when setting up a new job. BOBST Color-Control is a holistic approach to efficiently matching colours. It is an approach which does not only include hardware and software features but also includes expert analysis and consultation of the whole process.

Data is not binding. Non-contractual pictures.
The Manufacturer reserves the right to make
modifications without notice.

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