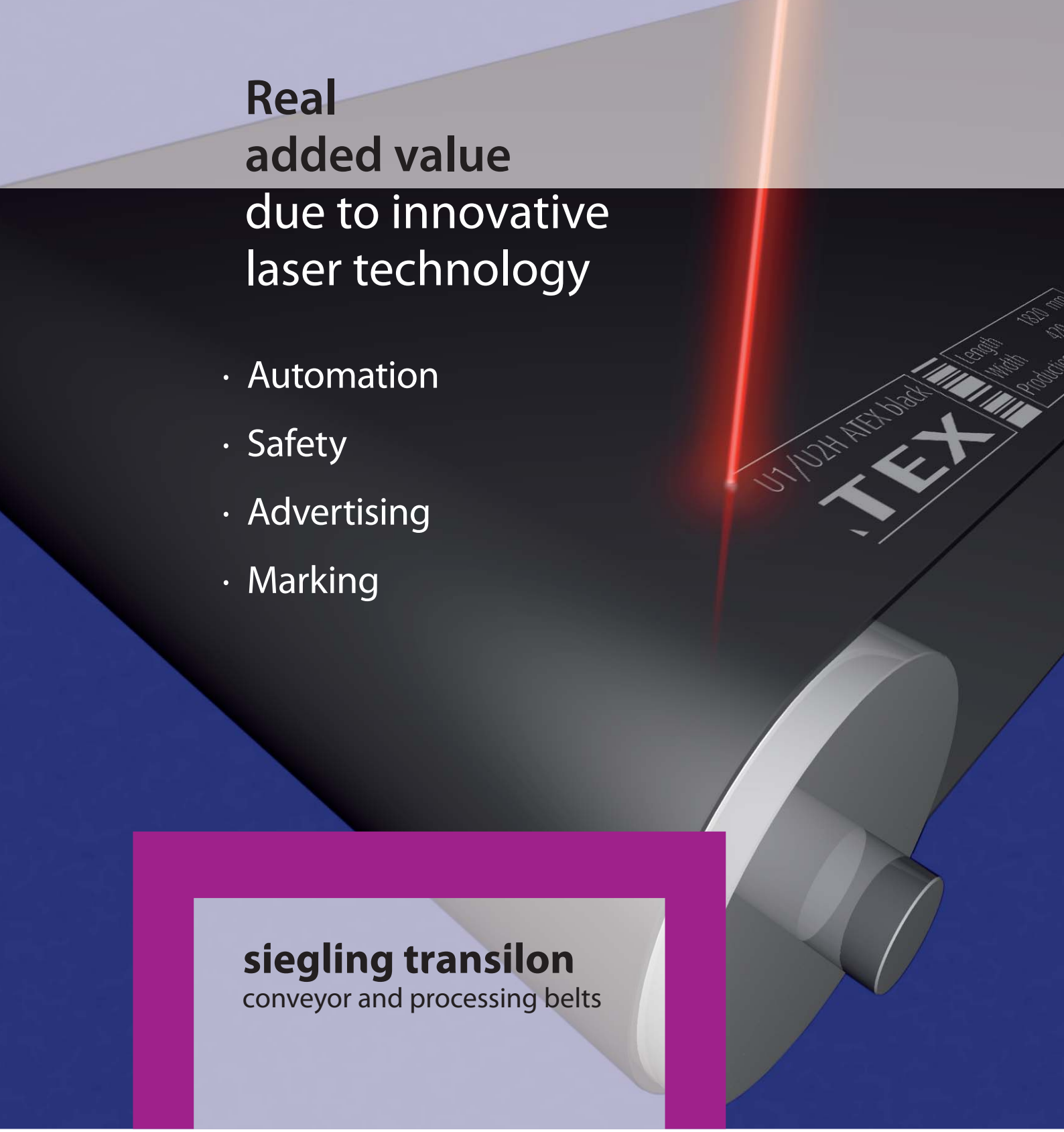
# Real added value due to innovative laser technology

- Automation
- Safety
- Advertising
- Marking




## siegling transilon

conveyor and processing belts

Siegling – total belting solutions

forbo
MOVEMENT SYSTEMS

# Real added value

## due to innovative laser technology


Screen-printed and foil lettering or images on conveyor belts are frequently impractical where mechanical or chemical loads are concerned. Forbo Siegling's new technology provides an impressive alternative: The print is created not with other materials, but by applying images/lettering to the surface of the belt using a laser. Because of its extreme durability, precise positioning and crisp results, this method opens up new opportunities for using belts. For example:

- Precisely-applied positioning grids and control marks for optical sensors support **automated processes** (e.g. in pizza production, bakery machinery, the wood and logistics industries.)
- Very resilient markings indicate the belt is moving (on treadmill, worker and ski acceleration belts) and as a result ensure **greater safety**.
- Permanent **advertising** is possible that cannot rub off (for example on check-out counter and treadmill belts.)
- Safe and clear **marking** of technical data, belt properties and reference codes (type plates) are possible on the top face too.

The laser is controlled by a DXF file and has a working area of 24 x 24 cm. Images or signs can be repeated any number of times. Any number of lines can be created across and along the belt (0.2 mm minimum width.) The range of colours depends on the belt type.

| The properties | The advantages |
|---|---|
| inscription applied to belt permanently | extremely abrasion resistant even with heavy loads |
| no dots, no sticky edges | precise, crisp inscription, fine images/fonts possible (from 0.2 mm) |
| no extra material applied, the surface stays homogenous | FDA-compliant |
| extreme positioning accuracy | exact repeat accuracy |
| no screen printing/tool costs | cost effective even with lowest quantities |



Forbo MOVEMENT SYSTEMS

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