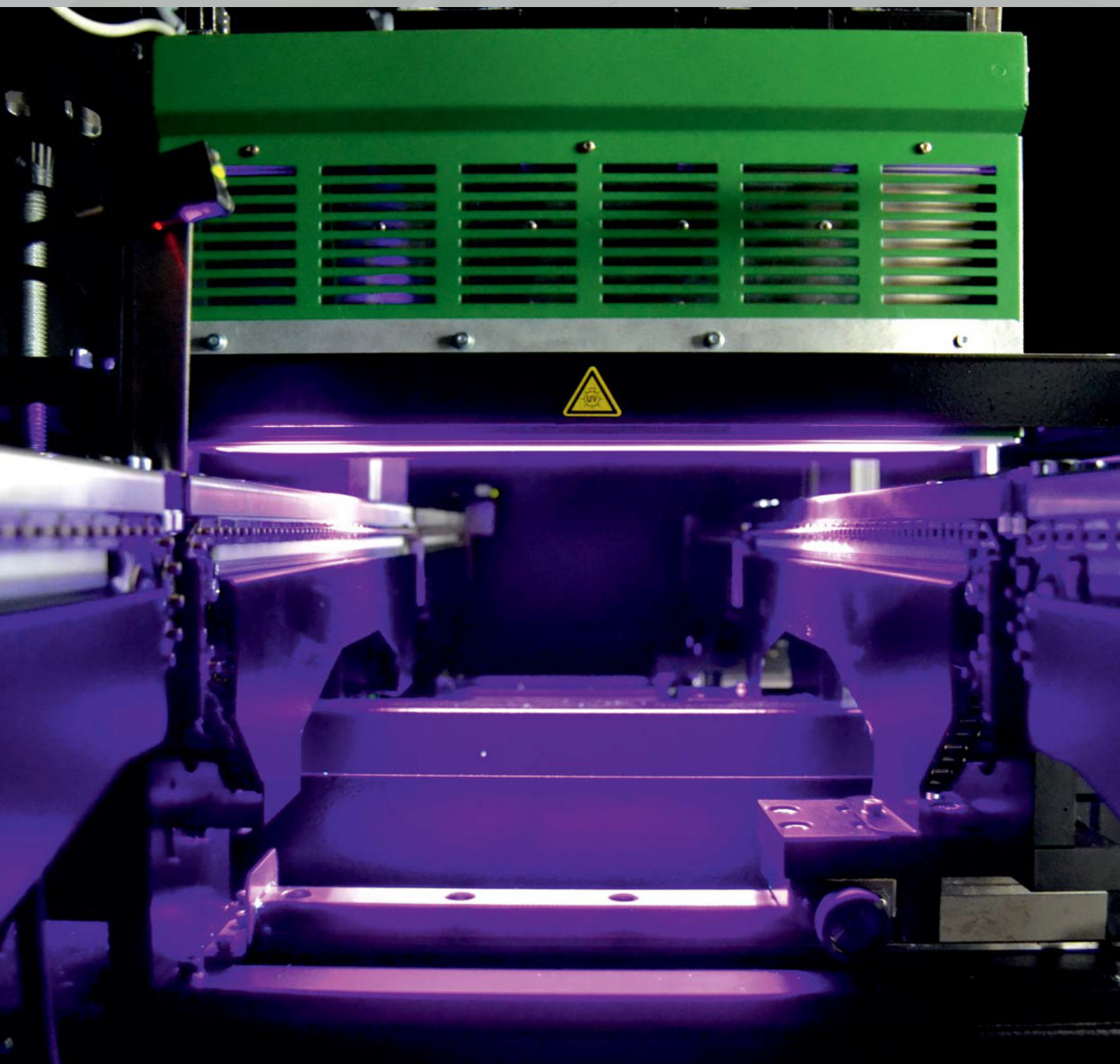




Innovative

# uv technology

sustained • efficient and save • for a clean future



Over 50 years - Quality „Made in Germany“

# Beltron GmbH

over 50 years Quality „Made in Germany“

**BELTRON** produces high quality machinery and equipment for many applications and markets. Generally our partners are from the graphic industry as well as from other industrial applications. Besides the printing and reproduction market and the electronic industry, the brand “**BELTRON**” has been approved in many other fields, such as solar industry, nano technology, uv-hardening of glue, medical industry, glass industry, automobile industry, production of furniture or other wood based applications, manufacturing of concrete plates, are just a few examples from **BELTRON**'s manifold partner portfolio.

## Beltron GmbH

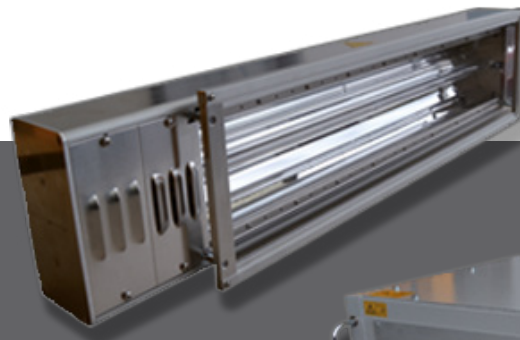
more than 50 years your partner in UV technology

**Which criteria should your new business partner have to become interesting for you?**

Besides requirements like quality and reliability, competence, readiness and partnership are the most important features. As many of our business partners confirm, **BELTRON** fulfils these requirements. Of course – our equipment stands in accordance with all main regulations, such as CE, DIN or SMEMA. Over 50 years quality and experience combined with “**Made in Germany**” – which is still **BELTRON**'s policy.

Design and engineering in 3D and most modern CNC and laser production enables us to fulfil all partner specific requirements. Your needs and wishes must not be what we have – our possibilities must be according to your needs. Furthermore **BELTRON** offers his customers a minimized spare parts stock as we have our own spare parts storage. More than 20.000 different articles including UV lamps etc. are available for your requirements. Besides a strong network of local partners, **BELTRON** has business relations to customers all over the world in almost all countries.

**Want to try? Your Satisfaction is our target...**



# Mobile UV bridge

## Application:

The mobile UV-Bridge from Beltron is perfect for a flexible and variable use around the ambient UV-Radiation, experimental purposes and research. The stickable module system enables a quick installation and disassembling and provides a space saving solution for the necessity of 80 - 120 W/cm.

## Design:

The device is equipped by a UV-Lamp and a stepless power regulation from 30 to 100 %. Optional the mobile UV-Bridge can be equipped with cold-mirror reflector and quartz glass panes (for heat reduction).

## Technical Information mobile UV bridge

- Lamp unit completely ready for installation, with connection for compressed air
- Compact balance, ready for operation
- Stepless power regulation by an electronic balance
- Compact control with LED-Screen
- 8 meter cable between switch board and UV-Lamp housing
- Lamp filling: Hg (Mercury), Fe (Iron), Ga (Gallium)
- Working area from 35 to 200 cm
- Electrical supply: 400 V / 50 Hz / 3~
- CE-Sign

### The mobile UV bridge are used successfully in:

printing industry, electronic industry, plastic industry, building materials industry, textile industry, packaging industry, pharmaceutical industry, automotive industry, glass industry and engineering.

*These are just a few examples from the various partner portfolio of Beltron.*

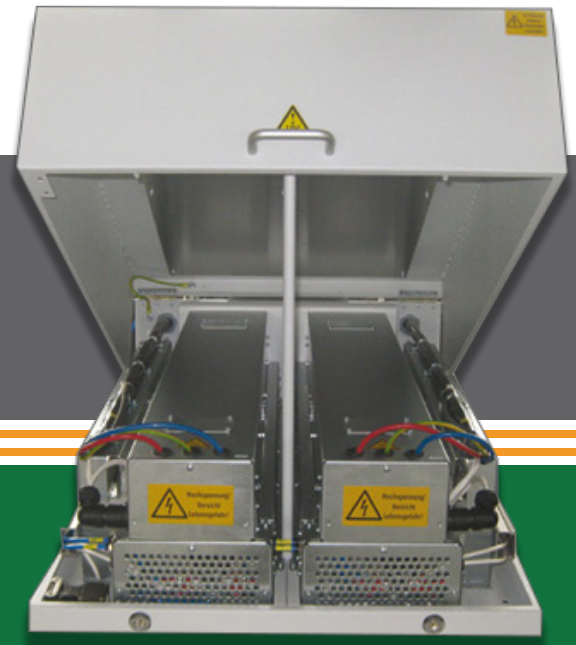
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# UV bridge with or without shutter



## Application:

Air-cooled UV bridges are suitable for retrofitting into existing printing lines or plants. With a working width of 20 cm - 2 m, the performance of 80 - 120 W/cm available.

## Design:

Pneumatic shutter and reduced lamp power in stand-by mode make BELTRON UV bridges to an ecological alternative to the power-hungry UV bridges from other manufacturers. BELTRON UV bridges can be equipped with a PLC control. This control allows the online performance monitoring of UV lamp which in turn leads to higher production reliability.

Alternatively, the BELTRON UV bridges can be equipped with stepless power control, selective filters (Heat reduction of the product to be fitted) and quartz glass.

## Technical Information UV bridge with or without shutter

- Lamp unit completely ready for installation, with connection for compressed air
- Compact balance, ready for operation
- Stepless power regulation by an electronic balance
- Compact control with LED-Screen
- 8 meter cable between switch board and UV-Lamp housing
- Lamp filling: Hg (Mercury), Fe (Iron), Ga (Gallium)
- Working area from 35 to 200 cm
- Electrical supply: 400 V / 50 Hz / 3~
- CE-Sign

The UV bridge with or without shutter are used successfully in: printing industry, electronic industry, plastic industry, building materials industry, textile industry, packaging industry, pharmaceutical industry, automotive industry, glass industry and engineering.

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# UV minibridge



## Application:

Complete unit ready for operation with existing conveyance equipment, comprising a UV lamp unit with pneumatic shutter system and a power unit (lamp ballast), designed for continuous operation in the small-format printing sector, i.e. paper, sheet glass, plastics, foils and metals.

## Design:

The UV lamp is housed in an air-cooled lamp unit with aluminium reflector and is OZONE-FREE (length of arc 70 mm, power 120 W/cm).

Power unit with mains switch, lamp on/off, full-/half-load preselection, compressed-air supply and power cable.

## Technical Information UV minibridge

- Length of arc 70 mm
- Power: 120 W/cm
- Power unit with mains switch
- Lamp on/off
- Full-/half-load preselection
- Compressed-air supply
- Power cable
- Electrical supply: 400 V / 50 Hz / 3~
- CE-Sign

### The UV minibridge are used successfully in:

printing industry, electronic industry, plastic industry, building materials industry, textile industry, packaging industry, pharmaceutical industry, automotive industry, glass industry and engineering.

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# UV compact modules

## Application:

For special installation purposes and individual customer requirements. UV compact modules are available in working breadths from 200 - 1600 mm. They are adapted to correspond with the local conditions. The electrical units such as transformers, capacitors, resistors, power relays etc. can be supplied fully wired, mounted in control boxes or panels, or also supplied as single components.

## Design:

Emitter units equipped with uv medium-pressure lamps, alu-facet reflectors or the tried and tested heatreducing selective filters. Special, integrated quartz glass panes below the uv lamps prevent the print material from flapping and help to reduce the heat. Uv lamps with performance up to 120 W/cm. All units with full- or half-load circuit (if required, also infinitely variable capacity for specific working breadths).

## Technical Information UV compact modules

- Length of arc 70 mm
- Power: 120 W/cm
- Power unit with mains switch
- Lamp on/off
- Full-/half-load preselection
- Compressed-air supply
- Power cable
- Electrical supply: 400 V / 50 Hz / 3~
- CE-Sign

### The UV compact modules are used successfully in:

printing industry, electronic industry, plastic industry, building materials industry, textile industry, packaging industry, pharmaceutical industry, automotive industry, glass industry and engineering.

*These are just a few examples from the various partner portfolio of Beltron.*



# UV dryer UV lamp service- and safety-set



An essential addition to existing maintenance and safety.

All ultra violet lamps contain a small amount of mercury and in accordance with Guidance Note EH17 (revised) ; all users of ultra violet light are advised to have a kit easily accessible located within the factory area where UV equipment is operated. Our uv lamp change and mercury spillage kit has all that is needed, not only to handle the delicate process of lamp changing, but to clean up safely in the event of accidental damage to the lamp.

**Detailed instructions are included.**

## Content of the Set:

### Service Set

Safety Spectacles - high impact polycarbonate lens which meets EN166 Grade 1F. Lint Free Nylon Gloves - essential when handling or cleaning uv lamps. Ensures prevention of fingerprint marking which will burn into the quartz during operation and significantly reduce lamp life. Also cleaning issues - saturated with 70% v/v Isopropyl Alcohol BP for cleaning uv lamps immediately after fitting and also periodically during the operating life. Also used for cleaning filter glasses and reflectors.

### Mercury Spillage Kit

Materials and personal protective equipment for safe removal of small mercury spillages, which could result in the event of UV lamp breakages.

### Contains:

- Zinc powder, GPR.
- Safety spectacles.
- protective rubber.
- Gloves.
- Scoop and spoon; sponge; disposal bag and full instructions.

The UV lamp service- and safety-set are used successfully in:  
printing industry, electronic industry, plastic industry, building materials industry, textile industry, packaging industry, pharmaceutical industry, automotive industry, glass industry and engineering.

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