BELTRON®

OVER 50 Years QUALITY MADE IN GERMANY www.beltron.de

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 bran “**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...

Control computer
Beltromat 815

Application:

The BELTROMAT 815 is designed to steer complete exposure processes. To handle the computer in the most comfortable way, a new foil-keyboard has been developed. Any function of the computer can be reached by 6 keys.

Design:

The apparatus is equipped with a Uv unit of measurement, which enables the operator to determine the percentage loss of power of the Uv burner by key-pressing at any time. At the outlet of the computer there are two relais switch-over contacts (lamp and vacuum).

The BELTROMAT 815 can be run either steered by photocells or as pure time switch. The control computer is equipped with 15 exposure programs and one general vacuum program. It has got connections for the vacuum controller and an extern start. A 5-digit indication and 2 control lamps inform constantly about the actual work cycle of the computer.

Modern switching networks prevent registered programs from being deleted, even when the computer has been disconnected from the electric circuit for years (there are no batteries or accumulators in the computer).

Technical Information Control computer Beltromat 815

Art.-No.:	Description :
48.006	BELTROMAT 815
59.011	Uv photocell, complete with special filter
59.016	Photocell, complete for reproduction
59.017	Photocell, complete for daylight-copy-printing frames
59.020	highly sensitive photocell, complete

Voltage: 230 V / 50 -60 Hz
outside-measurement of the computer: 202 x 81 x 96 mm (WxHxD)

optional:

Art.-No.:	Description :
59.047	Mounting box for BELTROMAT 815

The Control computer Beltromat 815 is 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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Control computer
Beltromat 8100

Application:

The BELTROMAT 8100 is developed for controlling of complex exposure applications. Besides its special function keys (operator friendly because of raised surface) the BELTROMAT 8100 convinces because of the large 4-line LCD-display, which could be adjusted to the local lightning conditions by modification of the display contrast.

Design:

99 programms can be stored in the EEPROM-memory which controls and supervies via 4 in- and outputs external functions. Optional a photocell for measuring the light could be connected to the BELTROMAT 8100.

Technical Information Control computer Beltromat 8100

Art.-No.:	Description :
48.033	Beltromat 8100
59.011	Uv photocell, complete with special filter
59.016	Photocell, complete for reproduction
59.017	Photocell, complete for daylight-copy-printing frames
59.020	highly sensitive photocell, complete

Main connections: 230 V / 50 Hz

Power consumption: approx. 7 Watt

Max. Temperature: 45° C

Housing: steel plate

The Control computer Beltromat 8100 is 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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Control computer
Beltromat 8100

Technical Information Control computer Beltromat 8100

Dimensions:

front panel:	225 x 100 mm
casing:	202 x 81 x 96 mm
Weight:	1,2 kg
Number of programs:	99 (With 1 endless test-program)
Time ranges:	0,0...999,9 Sek.
Contacts (Outputs):	1 contact for vacuum, 1 contact for lamp, 2 contacts not used
max. permanent current:	10 A ~
Nominal current:	250 V ~
max. contact rating:	AC1 2,5 kW ~

Inputs:

4 digital inputs, galvanically sealed
Max. input current 8 - 24V DC
1 x external start
1 x external stop (Esc)
1 x vacuum control
1 x counter operating hours
Photocell: Posibility tio connet 1 photo cell
Display: LCD-Display, 4 x 16 Signs, back ground illuminated

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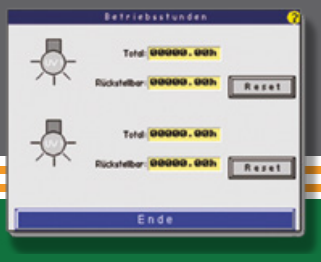
PLC Programmable Logical Control



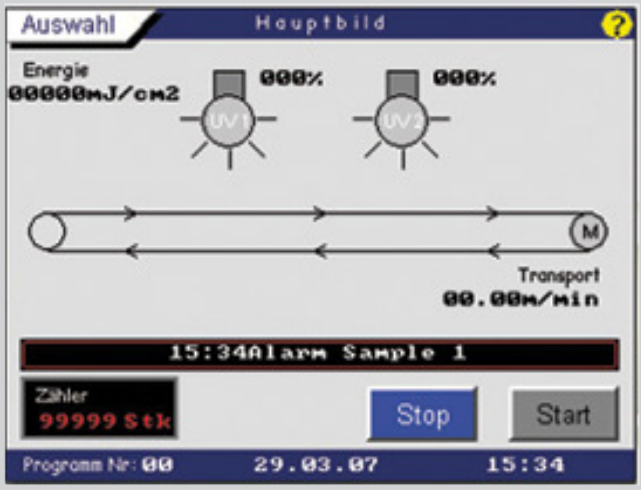
Application
PLC Programmable Logical Control:

Beltron UV– and IR-dryer can be equipped with an operator panel with touchscreen. The equipment comprises a screen with high resolution with 32768 colors and 5 inch size.

Functions 1:

The main screen appears after the machine is started. The most important parameters are displayed here. By means of Start/Stop bottom the machine can be switched on and off. Symbols on the screen indicate the relevant lamp status (starting, warming, ready) and the belt speed. In case of trouble, an rolling windows with a error description is displayed. An online energy-display and a counter can also be displayed if required. A detailed help system is available for all screens. All important information of the actual screens are explained there. Various functions can be accessed via several menus.

A password can be set for protection of the process data. For input of data, 2 different keyboards are available (alphanumeric, numeric only). Touching the respective panel field will automatically open the corresponding corresponding keyboard. Important information as well as security checks will automatically pop-up.



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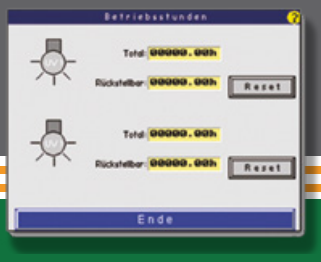
PLC Programmable Logical Control



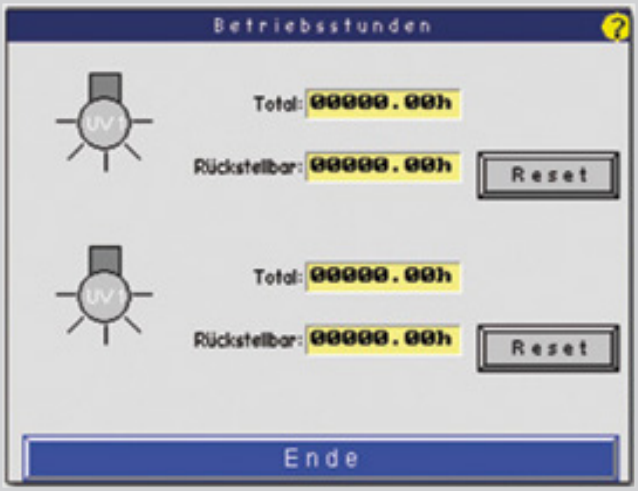
Application
PLC Programmable Logical Control:

Beltron UV– and IR-dryer can be equipped with an operator panel with touchscreen. The equipment comprises a screen with high resolution with 32768 colors and 5 inch size.

Functions 2:

The process data can be saved. A program description of up to 10 characters could be entered. Each UV lamp has 2 counters for operating hours. By this the total life time of the lamp can be monitored. In case an error might occur, it willl be displayed in a error list. A corresponding history shows all errors occured.

The Standby function enabled an automatic reduction of the lamp power in case of longer production breaks. Thus reducing the energy consumption of the dryer. Depending of design, various other parameter could be monitored, such as: uv monitoring in mJ, language, Counter, etc.



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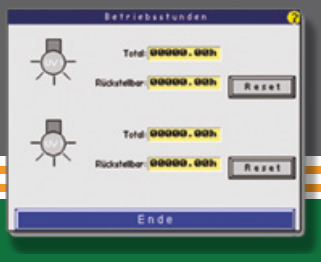
PLC Programmable Logical Control



Application
PLC Programmable Logical Control:
Beltron UV– and IR-dryer can be equipped with an operator panel with touchscreen. The equipment comprises a screen with high resolution with 32768 colors and 5 inch size.

Technical Information PLC Programmable logical control

Screen with high resolution with 32768 colors
5 inch size
Start/Stop button
Rolling windows with a error description
A detailed help system is available
The process data can be saved

The PLC Programmable Logical Control is 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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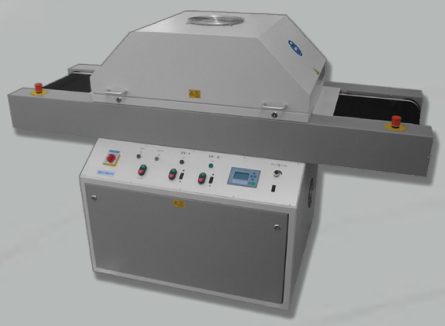

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