

The new UV Belt Dryer **UV-STAR²** from **Bochonow[®]**



Cutting Edge UV-Technology for Professionals!

Space saving design and user-friendly operation are focused on the new **UV-Star²-Series**. Uncompromising quality standards in selection of components and the use of bulbs which are designed and manufactured in-house ensures a maximum of longevity and user benefit!

Consequently designed, the **UV-Star²-Series** stands alone as a **plug-and-play** solution, thus expensive installation costs can be saved!



Photo shows the UV-Star² BT 300 with 1 UV-set

All UV-Star² models from BT150 to BT500 are tabletop units as standard.

Wheel stand available as an option!!



Photo shows the UV-Star² BT 600 with 1 UV-set

From this model with a working width of 600 mm all UV-Star² comes as Stand-Alone Unit with wheel stand as standard!

Increasingly specialized application areas require technically complex and flexible solutions.

Therefore, the UV-Star² series are offered not only with mercury bulbs (Hg bulbs), but also with so called "doped" bulbs.

Gallium-doped (Ga-doped) and Iron-doped (Fe-doped) bulbs are available as standard.

It is often necessary to use 2 or more different doping in a UV-Dryer. To realize this, but also to have twice the UV power available for example, the **UV-Star²-Series** are also offered with multiple UV sets. In these cases, the UV-Dryer is equipped with 2 or more UV sets.

Because all UV-bulbs are designed and manufactured in our modern, highly specialized UV-bulb manufacturing plant, also mixed dopings can be designed, which allows the optimized adaptation of the UV-Dryer to the requirements of the customer.



**Photo shows the UV-Star² BT 400
with 2 UV-sets**

The UV-sets can be equipped on request with bulbs of different doping.

The bulbs, made in our in-house bulb manufacturing plant, can be doped with Hg, Ga, Fe. Also mixed dopings are possible on request.

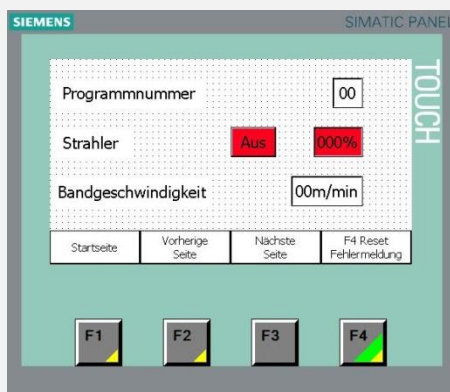
New! With touch-screen panel and 20 different memory locations!

Recently all UV-Star² models are equipped with **SIEMENS** touch-screen display. State of the art electronics allow the display input of all relevant parameters and their deposit in 20 different memory locations (programs).

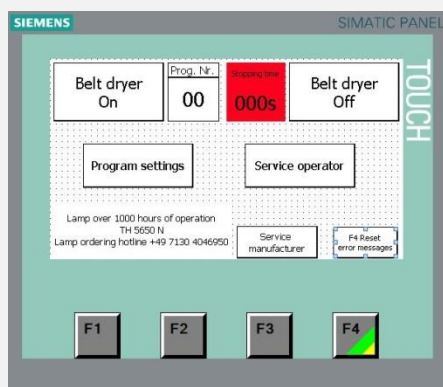
These programs can be a specified drying task (UV-ink type, film thickness, substrate, etc.) which can be accessed at any time depending for subsequent orders.

All relevant messages and ads are displayed in plain text on the touch screen display.

The belt speed can be infinitely adjusted in m/min. and the UV output will be continuously selected by 30-100% on the display and, if desired, can be saved to a memory location number for future use.

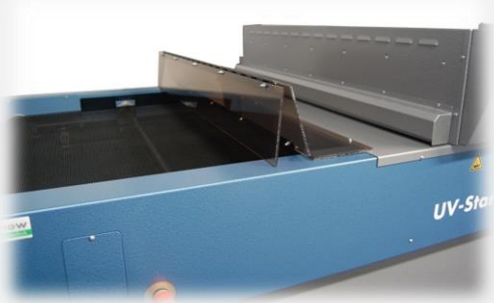


The **SIEMENS** Simatic Panel TOUCH in conjunction with the Siemens PLC ensure optimum compatibility and reliability!



The **SIEMENS** Simatic Panel TOUCH informs of all relevant operating parameters! Bulb age, bulb replacement interval, etc. can be accessed by touch.

Operating states are displayed graphically.



The shapely machine body is made of painted sheet steel, with thoughtful, torsion-free design. Light traps are delivered according to the tape width.

A vacuumbelt is available as an optional.

The **power-saving electronic ballast (comes as standard)**, with integrated system control, comes with 5 mtr power connection cable!

The use of **electronic ballast** offers significant advantages comparing to the until now usual transformer/choke solutions!

- Infinitely digital preselection of the UV-power 30 ... 100%
- Energy savings by releasing power
- Shortening the IR- power
- No dark phases
- Massive reduction of weight

Operating hours counter and bulb monitoring as standard!

The high quality conveyor belt made from a UV-stable, antistatic, black glass mesh fabric, completes the system with aspiration towards highest quality. The tape speed is stepless adjustable from 2-20 m/min.

Higher speeds are optional.

The UV Belt Dryer **UV-Star²** transports the product to be dried automatically underneath the UV-lamp with a infinitely adjustable belt speed. The added substrates (like inks, lacquer, glues or digital-inks) will be hardened by optimized UV-light.

Simple Operation

- switch UV Belt Dryer on
- adjust belt speed (step less 2-20 m/min)
- adjust UV-power (step less 30-100%)
- put material to be dried on the belt
- remove dried material at the end of the belt

model UV-Star ²	Working Width	Feeding Width	UV Power total kW	STANDARD 1 UV set W/cm	OPTION 2 UV set W/cm	Infeed/Outlet Length as standard
Tabletop model						
BT 150-1,8	120 mm	150 mm	1,8	120	240	each 150mm
BT 150-3	120 mm	150 mm	3,0	200	400	each 200 mm
BT 300-6	300 mm	340 mm	6,0	200	400	each 200 mm
BT 400-6	400 mm	440 mm	6,0	150	300	each 300 mm
BT 500-6	500 mm	540 mm	6,0	120	240	each 300 mm
Stand Alone Model						
BT 600-12	600 mm	640 mm	12,0	200	400	each 400 mm
BT 700-12	700 mm	740 mm	12,0	170	340	each 500 mm
BT 800-12	800 mm	840 mm	12,0	150	300	each 600 mm
BT 900-12	900 mm	940 mm	12,0	133	266	each 700 mm
BT 1000-12	1000 mm	1040 mm	12,0	120	240	each 800 mm
BT 1000-24	1000 mm	1040 mm	24,0	240	480	each 800 mm
BT 1200-24	1200 mm	1240 mm	24,0	200	400	each 1000 mm
BT 1400-24	1400 mm	1440 mm	24,0	170	340	each 1200 mm
BT 1600-24	1600 mm	1640 mm	24,0	150	300	each 1400 mm
BT 1800-24	1800 mm	1840 mm	24,0	130	260	each 1600 mm
BT 2000-24	2000 mm	2040 mm	24,0	120	240	each 1800 mm
BT 2500-48	2500 mm	2540 mm	48,00	-	190	each 2200 mm

Total length of dryer up to BT500: In feed length+outlet length +500 mm (example: BT500 = 300+300+500 = 1100 mm)
Total length of dryer up to BT2500: In feed length+outlet length +600 mm (example: BT600 = 400+400+600 = 1400 mm)

Options



Extension of Infeed or Outlet Length

In increments of 100 mm

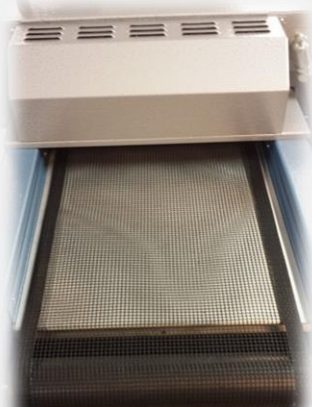
Infeed and Outlet length can be extended independently



Wheel Stand

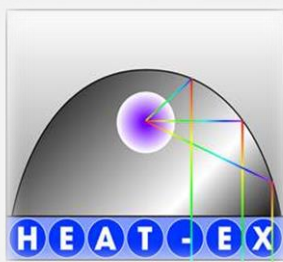
For Tabletop Models BT150 up to BT500

Tubular steel, painted, with wheels.



Active Vacuumbelt

The printing piece will be fixed to the vacuum belt underneath the UV-bridge. Prevents light printing pieces from fluttering.



HEAT-EX is an air cooled quartz tube system to reduce considerably heat emission of the UV bulbs.

This is important for heat-sensitive substrates like PVC films, light papers or special lacquers!

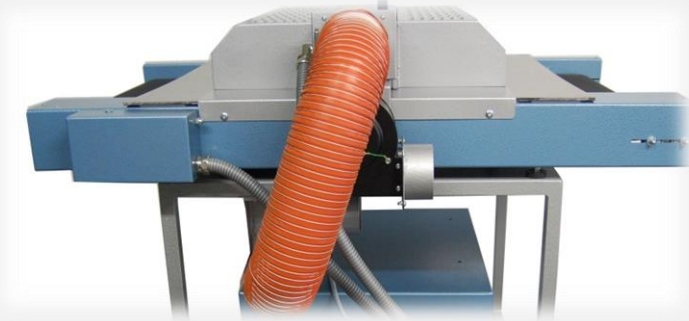
Because the removal of the IR-heat is separated from the bulb cooling, the lifespan of the UV bulb is increased!



**adjustable throughput height
up to 100 mm**

As a standard, the throughput height is 40 mm.

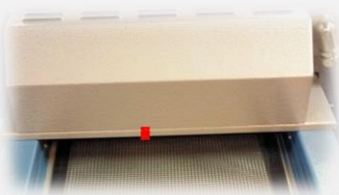
If there is a need to process printing pieces higher than 40 mm, this option allows the adjustment of the throughput height up to 100 mm.



Required waste air hose

The **UV-Star²** is able to handle max. hose length of 4 m with it's own cooling fan; To do so, there is a requirement for the herewith offered waste air hose quality regarding roughness level and UV-stability! For longer length of waste air hoses than 4 m, there is an additional blower available as an option – please ask for prices!

Hose , length 4m, UV-stable and temperature resistant,
including 2 hose clamps

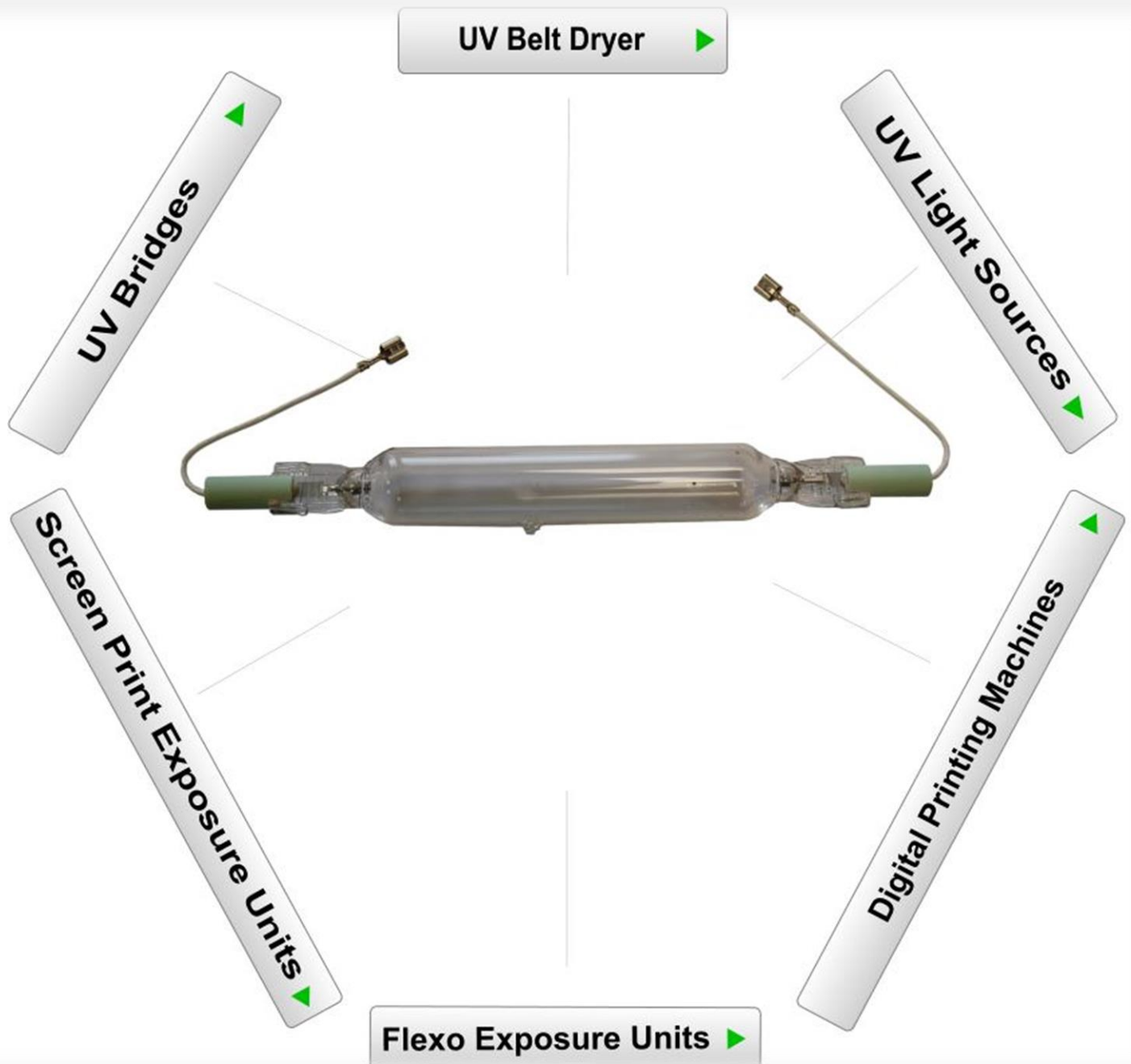


SensoStart

When putting the material on the belt, the UV-Star² automatically switches to 100% UV-Power, this is activated by a sensor. When the material has left the belt the UV-Star² switches down to 30% automatically.

(This offers considerable energy savings if use of the dryer is sporadic)
(for example in laboratory operation)

**Delivery Service UV-Bulbs
for all types and manufacturers!**

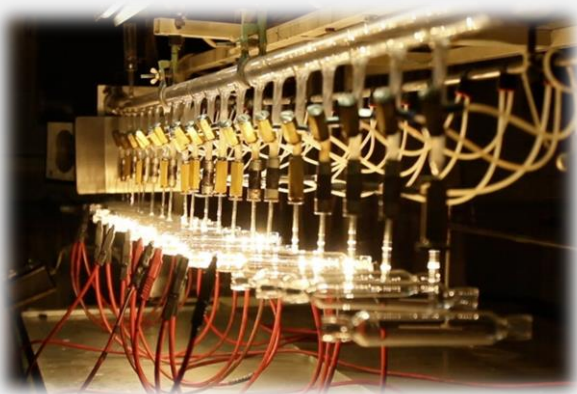




Our UV-bulb production

In our modern, highly specialized UV-bulb manufacturing plant, we are producing UV-bulbs for a variety of applications.

The in-house production of UV-Bulbs (the "heart" of any UV system) allow us to offer perfectly matched UV bulbs to the customer needs for any purpose. Our deep understanding of the UV technology enables us to design and manufacture excellent



Because we are committed to the environment and our customers, we offer for all delivered UV bulbs our **disposal system**.

Just send us your used UV bulbs, freight prepaid, in sufficient packaging, we dispose it expertly and **free of charge** for you!

On request we can produce ozone-free UV-bulbs to allow the usage in sensitive work areas!

UV-Bulbs for Digital Printing Machines



UV-Bulbs for Digital Printing Machines!

For all models, types and manufacturers of UV-systems, we can offer appropriate UV replacement bulbs!

Very often, not only the bulbs need to be replaced but the reflectors of the corresponding UV- inserts are damaged or soiled.

These complete units could be overhauled in our factory, which means the reflectors are cleaned or replaced and the new burner fitted perfectly. Thus, the UV unit put in a new

UV-Bulb Safety Kit



UV-Bulb Safety Kit

Chemical-free system for secure absorption of the released mercury from broken bulbs.

Includes detailed instructions!