

## Lamp Head Enquiry Form (Conventional UV)

Please fill out this form with as much detail as possible. You should also send us any technical diagrams, photographs or attachments that will also be helpful. This will enable us to offer the best solution possible to meet your requirements. Please note these units are air cooled. Please contact us separately us for water cooled or LED UV curing systems.

Name:  Telephone Number:

Company:  Company Country:

### Step 1: Project Details

Are the reflector units for a retrofit or new installation?

Please tell us which UV curable product is being used?  
(e.g. adhesive, coating, ink, lacquer etc)

Please describe the application:  
(also tell us more about the system that the UV modules are to be installed onto. If it is a retrofit the make and model of the machinery would be useful)

### Step 2: UV Lamp Details

Please note - if uv-technik is not supplying the UV lamps you should send us a full technical drawing of the lamp to ensure that the lamp is compatible with our system. In addition to the items below, this should include the lamp overall length, end cap dimensions and end cap material (ceramic/metal etc)

Do you require uv-technik to supply a lamp with this reflector?

The following three fields are required regardless of who will supply the lamps:

Lamp Power:

Watts

Arc Length:

mm

Lamp Diameter:

mm

If uv-technik is to supply the lamps we will also need the following information:

What is the Lamp doping:  
(i.e. Mercury, Gallium, Iron etc)

What is the quartz type:  
(i.e. Ozone producing, ozone free etc)

What is the preferred termination type?



Bootlace:



Eyelet:



Fork:



Receptial:

**Step 3: Reflector Unit Specification**

A reflector unit can be built with and without shutters. Shutters can protect the substrate whilst it is



With shutters



Without shutters

Do you require the reflector unit to be made with or without shutters?

With shutters:

Without shutters:

If shutters are required you will need to select whether should be opened pneumatically (compressed air - standard) or electronically (special). We recommend the pneumatic option wherever possible.



Pneumatic Actuator



How should the shutters be opened?

Pneumatic actuator:

Electronic actuator:



Electronic Actuator



If you have selected an electronic actuator type please tell us which power supply type will be required for the proximity switches / solenoid valve:

24 VDC:  
(Standard)

230 VAC:  
(Special)

We can build our UV reflector units with a quartz plate to offer additional protection for the UV Lamps from dust and debris. Depending on the arc length of the lamp, this will be either a frame (arc length more than 500mm) or holder (arc length less than 500mm). Please confirm if we should included this.



Quartz Holder



Quartz Frame

Include the quartz frame/holder and plate:

Do not include these items in the offer:

We provide HiPro high voltage connector plugs for our systems. They can be used for the plug-in connection of a UV module as well as for the high-voltage connection directly to the control cabinet containing the ballasts.



025 10131 0000



025 00395 0000

Please confirm if we should include both the module side of the HiPro, and the cable end side or whether you would rather other arrangements:

Include both parts of HiPro:

Do not include HiPro connectors:

If you have opted to include the HiPro please confirm the mounting position of the HiPro at the module side:

Mount lengthwise at the actuator:

Other:

(please describe)

We are able to pre-adjust the reflectors for you. To do this we need to know the distance between the UV module and the substrate. Please confirm this distance if you require this additional service:

**Step 4: Air Control Set**

We can supply air control sets for performance-related air volume control. Please consider that it is essential that air flow and cooling are carefully managed to ensure stability for the lamp. Incorrect cooling of the lamp could cause issues starting the UV lamps, significantly shorten the lamp lifetime or even destroy the lamps.

The complete set comprises:

- Temperature sensor PT 100, cable included (1)
- Electronic controller (programmed and ready for connection) for front-panel mounting, 45 x 45 mm (2)
- Throttle valve including mounting accessories (3)
- Motorised throttle valve, DC 24 V (4)
- Hose-clamps (5)
- 2 set point settings are possible (operation / stand-by)



Please confirm your preference for which items should be included in the offer:

Complete air control set (flap, Belimo motor, controller, PT100, cable for PT100, hose clamp)

Set with flap, Belimo motor, controller, hose clamp (no PT100 and no PT100 cable)

Set with flap, Belimo motor, PT100, PT100 cable, hose clamp (no controller)

Set with flap, Belimo, hose clamp (no PT100, no PT100 cable (no controller)

If you have opted to include the PT100 temperature sensor we will need to know your preferred mounting position. As standard, this is usually mounted on the UV module (pictured). Please confirm your preference:



Separate:

Mounted on the module:

Other:

(please describe)

**Step 5: UV Measurement & Monitoring**



We can supply a UV sensor for continuous only measuring of the lamp. This will produce a proportional (to irradiance) output signal DC 0... 10 V which can be provided for your PLC. Please confirm if we should include in this in your offer.

Include in the offer:

Do not include in the offer:

Please use this space to provide any additional information that you think would be helpful:

Thank you for completing the form. Please send this back to either to the salesperson you have initially been in contact with, or to info@uv-technik.co.uk. Please include any additional documentation described in this form.