

Contact and invoicing:

Regierung von Oberbayern
Gewerbeaufsichtsamt | 80534 München | Germany

TÜV Süd Industrie Service GmbH
Abt.: IS-EG 3 | Westendstraße 199 | 80686 München | Germany

Exhibitor

Hall / Stand no.

Outdoor exhibition area / Block

VAT no.

Contact

Street / P.O.Box

E-mail

Country / Town / Postcode

Tel. with area code and ext.

Fax with area code and ext.

Registration for the Operation of Laser Devices, Classes 3R, 3B and 4

We hereby register the following laser devices for operation:

1. Use to be made of laser equipment:

- Laser product demonstration
 Laser show

2. Technical details:

Manufacturer of laser device

Laser class

Class of laser equipment not encompassed by any existing protection facilities

Radiant power/energy

Wavelength

Pulse duration/pulse frequency

3.

Person responsible as laser safety officer

Registration for the operation of X-ray equipment and spurious radiation equipment in accordance with the X-Ray Ordinance (RöV)

We hereby register the following X-ray and spurious radiation equipment for operation:

1. Technical information, equipment data:

Designation

Manufacturer

Type

Year built

Purpose

Radiation unit no.

Type approval no.

Permission to demonstrate equipment

CE designation under the Medical Products Act (MPG)

Location

2.

Persons responsible for radiation protection
(legal representative, in the case of legal entities)

3.

Radiation protection officers

4.

Other persons involved in the operation of the X-ray equipment
(spurious radiation equipment)

We have noted the regulations and information given on page 2.

Please indicate tax no.

Place / date

Company stamp and legally binding signature of exhibitor

■ Please note for laser devices

1. In accordance with section 5 para. 1 of the BG regulation BGV B2 „Laser Radiation“, class 3R, 3B and 4 lasers that are demonstrated in operation as part of a product presentation or for publicity purposes (laser show) are subject to mandatory registration (see also usage instructions relevant to BGV B2 in the updated version published in April 2007).

Quote: “The operator must report the operation of laser devices of classes 3B or 4 to the relevant accident prevention and insurance institution (Berufsgenossenschaft) and to the authority responsible for industrial safety before they are put into operation.”

Requirements	Laser class	3R	3B	4
Notification (Section 5 BGV B2)		X	X	X
Laser safety officer (Section 6 BGV B2)		X	X	X
Laser zone demarcation and signage (Section 7 BGV B2)		X	X	X
Safety measures (Section 8 BGV B2)		X	X	X
Approval by qualified expert		X	X	X

X = necessary
- = not necessary

- The operator must nominate in writing qualified personnel as laser safety officers for the operation of laser devices of classes 3B or 4.
 - The operator must charge the laser safety officers with the following duties:
 - Supervising the operation of the laser devices
 - Assisting the operator with the safe operation and the necessary safety measures
 - Cooperating with the industrial safety officials in fulfilling their duties, including instructing them in the important aspects of laser radiation protection.
 - Para. 1 does not apply if operators can prove to the accident prevention and insurance institute (Berufsgenossenschaft) responsible that they possess the necessary expertise and will personally supervise the operation of the laser devices.
- New standards

The European standard DIN EN 60825-1 on laser equipment safety underwent thorough revision with a new version being published in November 2001. Changes include the introduction of new laser classes. The necessary amendment or rewriting of the corresponding German regulation BGV B2 is expected soon. Those safety measures applicable to the old laser class 3B now apply to the laser class 3R (already included in the above table) that was introduced in conjunction with the new standard DIN EN 60825-1.
- The exhibitor is liable to MMG for any injury to persons or damage to property arising from the operation of the laser equipment, even if the exhibitor commissions a third party to erect or operate the equipment. Please also inform your insurance company providing third-party liability insurance since a general liability insurance may not cover damage arising in connection with laser or maser radiation.

■ Please note for X-ray and spurious radiation equipment

1. Under the X-Ray Ordinance of 8 January 1987 (Fed. Gazette I, p. 114) in the version as notified dated 30 April 2003 (Fed. Gazette p. 604), the operation of X-ray equipment requires approval or notification (Section 3, 4, X-Ray Ord.). Even for type-approved high-protection or full-protection devices, a notification must be sent to the competent authorities at least 2 weeks before the start of operation. The necessary documents for the notification and operation of the equipment are shown in the following table:

Eqmpt.	med. X-ray device		techn. X-ray device with type approval				Spurious rad. eqmpt U > 30 kV w/out type approval	
	w/out type approval	w/out typ approval or CE/MPG	w/out type approval	general	high protection	full protection		school X-ray eqmpt
Approval	X	-	X	-	-	-	-	X
Notice 2 weeks before start of use	-	X	-	X	X	X	X	-
expert certificate	X	X	X	X	X	-	X	X
certificate with expert's test report	X	X	X	X	-	-	-	X
Proof of competence of authorised persons	X	X	X*	X*	X*	-	X*	X*

x = required
- = not required
*** = confirmation of radiation protection coordinator or officer concerning instruction provided and level of experience available in the given area of application**

- Under Section 3 Para. 2 no. 4, X-Ray Ordinance, the exhibition stand must be staffed with personnel who have the necessary knowledge of possible dangers of radiation and the protective measures to be taken. A Radiation Protection Officer as required under the X-Ray Ordinance must be reachable during operation of the X-ray device or spurious radiation equipment requiring permission.
- If the preconditions for operation of the X-ray device/spurious radiation equipment do not exist on site without an expert's inspection, the equipment must be inspected by an expert after proper registration on the part of the exhibitor and before the equipment is put into operation. The competent authority, the Trade Supervisory Department of the Government of Upper Bavaria, will check at the beginning of the trade fair whether the approval conditions have been met, and whether any defects found have been rectified and will issue any approvals necessary for operating the equipment on site. The operator must pay for this approval. Also for operations not requiring approval with compulsory on-site radiation inspection by an expert, the operator must keep the necessary documents on the exhibition stand.
- The exhibitor is liable to MMG for any injury to persons or damage to property arising from the operation of the X-ray equipment, even if the exhibitor commissions a third party to erect or operate the equipment. Please also inform your insurance company providing third-party liability insurance, since a general liability insurance may not cover damage arising in connection with X-rays.