

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 1, 1M, 2, 2M, 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

Type of demonstration / show

2. Technical details:

Manufacturer of laser device

Laser class of radiation source installed

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

Email of laser safety officer

4. Email of booth operator entitled to receive test report

Registration for the operation of X-ray equipment and spurious radiation equipment in accordance with the Radiation Protection Ordinance.

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.

Place / date

Company stamp and legally binding signature of exhibitor

Please note for laser devices

- Class 1, 1M, 2, 2M, 3R, 3B and 4 laser radiation sources that are demonstrated in operation as part of a product presentation or for promotion purposes (laser show) are without exception subject to mandatory registration with Messe München GmbH! The key requirements depending on the laser radiation source installed are shown in the following table. Details can be found in the Occupational Safety Directive on Artificial Optical Radiation—OStrV and the Technical Rules governing Laser Radiation—TROS).

Requirements	Radiation laser class	1	1M, 2, 2M	3R, 3B, 4
Notification of laser demonstration/laser show to Messe München GmbH required		X	X	X
Clearly visible positioning of laser warning signage (section 7 OStrV)			X	X
Prevention of laser radiation exposure to persons (section 7 OStrV)			X	X
Execution and documentation of risk assessment (Section 3 OStrV)			X	X
Instruction of stand personnel in safe operation of laser demonstration/laser show (section 8 OStrV)			X	X
Appointment of a laser safety officer (section 5 OStrV)				X
Laser zone demarcation and signage (section 7 OStrV)				X
Implementation of further technical safety measures, e.g. screening, protective housing, etc. (section 7 OStrV)				X

X = required

- The operator must nominate in writing qualified personnel as laser safety officers for the operation of class 3R, 3B and 4 laser devices.
 - The laser safety officer supports the employer
 - with the execution of risk assessment
 - with the implementation of the necessary safety measures
 - with monitoring of the safe operation of the laser devices.
 - Para. 1 does not apply if operators can prove to the Employers' Liability Insurance Association (occupational health and safety) and Messe München GmbH 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 and was published in the current version in July 2015. Changes include the introduction of new laser classes.
- The exhibitor is liable to Messe München GmbH 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.
- All types of visual or moving live demonstrations and all types of show performances require the prior written approval of Messe München GmbH. They may not disturb other event participants or cause crowds of visitors that block the aisles.
Messe München GmbH is entitled, despite having given prior approval, to restrict or prohibit such performances as cause visual disturbance or for other reasons constitute a considerable disturbance of the event or event participants.
- The operation of lasers will be assessed by an independent expert. The laser device may only be put into operation if the requirements stipulated by the expert are complied with and the expert inspection report has been submitted to Messe München GmbH. Messe München GmbH reserves the right to prohibit the use of laser devices.

Please note for X-ray and spurious radiation equipment

- Under the Radiation Protection Act (RPA) of June 27, 2017, the operation of X-ray equipment requires approval or notification (section 19 (3) sentence 1 no. 1, respectively section 12 (1) no. 4 RPA). Even for type-approved basic-, high- or full-protection devices, notification must be sent to the competent authorities at least four weeks before the start of operation. The necessary documents for the notification and operation of the equipment are shown in the following table:

Eqmpt.	Medical X-ray device		Tech. 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	basic/high protection	full protection	school X-ray eqmpt	
Documents required								
Approval	X	–	X	–	–	–	–	X
Notice 4 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 authorized 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 19 (3) no. 6 RPA, 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 Messe München GmbH 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.