



## Intertool X Welding 2026 Technical Safety Guidelines for Exhibitors Demonstration of Machines, Welding and Laser Welding Systems

(Update 09.03.26)

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### 1. Scope

1.1 These provisions apply to all exhibitors who display, demonstrate, or commission machines, welding systems, laser welding devices, or comparable technical equipment during the event.

1.2 The demonstration and/or commissioning of the aforementioned equipment must be notified to the organizer in writing in advance and requires the organizer's explicit approval.

1.3 The exhibitor is obliged to comply with all relevant legal provisions, official requirements, safety regulations, and applicable technical guidelines.

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### 2. Legal Basis

In particular, the following shall apply:

- Upper Austrian Events Act
- Machinery Safety Regulation 2010 (MSV 2010)
- Employee Protection Act (ASchG)
- Work Equipment Regulation (AM-VO)
- OVE EN 60825-1
- The applicable ÖNORM standards must be observed, in particular [ÖNORM S 1105].

Austrian law shall apply exclusively to all exhibitors.

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### 3. Laser Welding

3.1 Hand-held laser welding devices (typically Laser Class 4) are subject to increased safety requirements.

3.2 The following measures are mandatory:

- Submission of a written safety concept
- Where applicable, official notification or approval
- Appointment of a qualified Laser Safety Officer who confirms proper on-site installation
- Compliance with optical radiation exposure limits

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- In publicly accessible areas: maximum Laser Class 2
- If children or adolescents may have access: exclusively Laser Class 1
- Standard-compliant shielding in accordance with EN 60825-4
- Laser safety goggles in accordance with EN 207 and the PPE Regulation (EU) 2016/425

3.3 As guidance reflecting the current state of the art, consideration of the recommendations of the Austrian Social Insurance for Occupational Risks (AUVA), in particular the checklist “Laser Welding Devices” and the information sheet “Hand-held Lasers,” is recommended.

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## 4. Machines and Welding Systems

### 4.1 Machines Not Fully Conforming

If machines are not yet fully compliant, Section 6(3) of the MSV 2010 shall be complied with. A clearly visible notice must be affixed, and the protection of persons must be ensured.

### 4.2 Active Operation

During demonstrations, the following provisions must in particular be observed:

- Sections 43 and 44 of the AM-VO
- Sections 7, 33, 34 and 36 of the ASchG

In addition, the following must be ensured:

- safeguarding of all hazardous areas
- accessible emergency stop devices
- appropriate protection against spray, sparks and glare during welding, grinding and machining operations
- protection against unauthorized start-up (e.g., power disconnection, key switch, removal of ignition/start keys)

As visitors are not considered instructed persons, an enhanced safety standard shall be applied.

### 4.3 Operation and Demonstration of Machines

All machines and equipment (e.g., crane systems, lifting devices, industrial trucks or motor vehicles) may only be operated and demonstrated by verifiably trained operating personnel.

The operating personnel must be present throughout the entire demonstration and ensure that it is carried out safely.

Except for the operating personnel, no persons may remain within hazard zones, swing areas, or operating/manipulation areas. Where necessary, suitable barriers or cordons must be provided.

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Demonstrations must under no circumstances extend into adjacent traffic routes or escape routes.

Upon request, the names of the operating personnel deployed shall be provided to the organizer.

Machines may only be started and operated with the designated and fully functional safety devices in place.

#### 4.4 Fire and Spark Hazard

For demonstrations in which sparks, heat, open flames, or hot surfaces may occur (e.g., welding, cutting, grinding, or comparable work), appropriate protective measures must be implemented.

In particular, the following must be ensured:

- appropriate spark and glare protection for visitors and neighboring stands
- sufficient distance from combustible materials
- provision of suitable fire extinguishing equipment at the stand
- removal or covering of flammable materials in the immediate working area

All applicable fire safety regulations as well as the requirements of the venue must be complied with.

#### 4.5 Compressed Gas Cylinders

The use of compressed gas cylinders (e.g., welding gases, shielding gases) must be notified to the organizer in advance.

In particular, the following must be ensured:

- stable positioning and protection against tipping
- protection against mechanical damage
- use of suitable pressure regulators and fittings
- labeling in accordance with applicable regulations
- shut-off of the gas supply outside operating hours

The currently applicable safety regulations for compressed gas containers must be complied with.

#### 4.6 Emergency Stop and Shutdown

Machines and systems must be capable of being safely and immediately shut down at any time.

Emergency stop devices must be freely accessible and fully functional.

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Operation of the systems must be immediately discontinued if hazards to visitors, personnel, or property may arise.

The instructions of the organizer and the competent safety authorities must be followed without delay.

## 4.7 Power Supply and Technical Connections

Electrical connections, power supplies, and other technical installations may only be carried out in accordance with the applicable electrical engineering regulations and the technical guidelines of the venue.

Cables, lines, and hoses must be routed in such a way that no tripping, crushing, or damage hazards arise. Where necessary, suitable protective measures (e.g., cable bridges) must be provided.

Temporary or improperly executed installations are prohibited.

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## 5. Notification, Approval, and Measures

5.1 Each demonstration must be notified to the organizer in writing in advance.

5.2 In the event of safety deficiencies or violations of these provisions, the organizer is entitled to take appropriate measures, in particular:

- Interruption of the demonstration
- Shutdown of systems
- Interruption of energy supply

5.3 For demonstrations involving welding, laser, or comparable systems, the signed safety confirmation must be submitted before the start of the event.

5.4 Full responsibility for compliance with all legal regulations and safety requirements lies exclusively with the exhibitor.

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## 6. Liability and Indemnification

6.1 The exhibitor shall be liable, in accordance with statutory provisions, for all damages caused by the operation, demonstration, or display of their machines, systems, or technical equipment.

6.2 The exhibitor undertakes to indemnify and hold harmless the organizer, as well as its governing bodies, employees, and agents, from any third-party claims arising in connection with the demonstration or operation of the equipment brought in by the exhibitor.

6.3 This applies in particular to claims arising from personal injury, property damage, or financial loss, insofar as these are attributable to a violation of legal provisions, official requirements, or these safety regulations by the exhibitor or its representatives.

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6.4 The organizer shall not be liable for damages resulting from the prohibition, interruption, or shutdown of systems due to safety deficiencies.