



TQ-Group 1000X1000 Robot Frame Instructions

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Product information TQ Robot Frame 1000X1000

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The TQ robot frame 1000X1000 is used for assembling a robot Franka Production 3 (Franka Emika GmbH).
Material number: 330030.0101



Follow these instructions for correct and safe operation.

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1. Scope of delivery

1x TQ robot frame 1000X1000 (fully assembled)

4x slot nuts M8 in each horizontal profile (top) The mounting material for attaching a Franka Production 3 robot (Franka Emika GmbH) is not included in the scope of delivery.

2. Symbols

⚠ General warning sign

ℹ General mandatory action sign

Refer to instruction manual / booklet

- Lists

1. Numbering (The consecutive numbering defines the sequence of the instructions given.)

3. Intended use

The TQ robot frame 1000X1000 is used for elevated assembly of a Franka Production 3 robot (Franka Emika GmbH).

- The following forces can be absorbed by the profile table in static and dynamic operation:
 - Vertical force: max. 410 N
 - Horizontal force: max. 300 N
 - Tilting moment: max. 280 Nm
 - Torque around axis 1: max. 90 Nm

NOTE

The product is used as part of a higher-level overall system.

Project planning, assembly, and commissioning exclusively by authorized specialist personnel with the following knowledge:

- Knowledge of the applicable regulations on occupational safety and accident prevention

All applications deviating from the intended use are regarded as improper use.

These include, for example:

- Do not use outdoors
- Use outside the permissible technical operating limits
- Do not use in potentially-explosive environments
- Do not ignore safety instructions
- Operation after unauthorised conversions or modifications
- Do not operate a faulty machine

4. Safety Instructions

NOTE

Prior to handling frame 1000X1000 (assembly, use, control) , you must have read and understood the content of this Product information.

Comply with instructions and notes

NOTE

Assembly and commissioning only by authorized specialist personnel who have special knowledge of how to use the product.

5. Assembly

NOTE Device damage due to incorrect installation/attachment and unsuitable environmental conditions.

Prerequisites:

- Make sure that the surface is level and align the profile table horizontally using the adjustable feet.
 - Min. height of adjustable feet: 40 mm
 - Max. height of adjustable feet: 200 40 mm
- The base plate for mounting the Franka
Production 3 robot (Franka Emika GmbH) is mounted on the profile table.
- Observe the manufacturer's documentation for the Franka Production 3 robot (Franka Emika GmbH).
- The robot Franka Production 3 (Franka Emika GmbH) must not be live during assembly.

NOTE

Do not use any sharp or pointed objects to open the packaging.

1. Remove packaging
2. Check that the delivery is complete and undamaged, otherwise contact the manufacturer. Impressum

NOTE Tighten the screws with a tightening torque of 23 Nm.

Required tool:

- Allen key M8

Required mounting material:

- 4x Cylinder Screw with hexagon socket DIN 912
A2 M8x25 strength class 8.8
- 4x Washer DIN 125 A2 for M8

3. Determine mounting position.

4. Fasten the robot to the base plate with the 4 cylinder-screws and the associated washers.

Assembly of the robot on the base plate is complete

6. Control and Maintenance

NOTE In case of damage or wear, the entire product must be replaced.

The following checks are required to ensure trouble-free and permanent function:

- Clean only with a dry, lint-free cloth
- Secure fastening of all components
- Retighten all connections after 100 hours of operation with the specified tightening torque.
- damage

7. Disposal

Dispose of the disassembled components, packaging, operating materials, etc. in accordance with the applicable provisions and, to the extent possible, recycle them.

- Dispose of cardboard packaging material as waste paper in the local waste disposal system.
- Dispose of plastic films and packaging in accordance with the national laws and regulations.
- Collect all materials used for frame 1000X1000 operation as per the manufacturer's product information and separate, dispose of, or recycle accordingly.

Dispose of all waste properly and in accordance with the

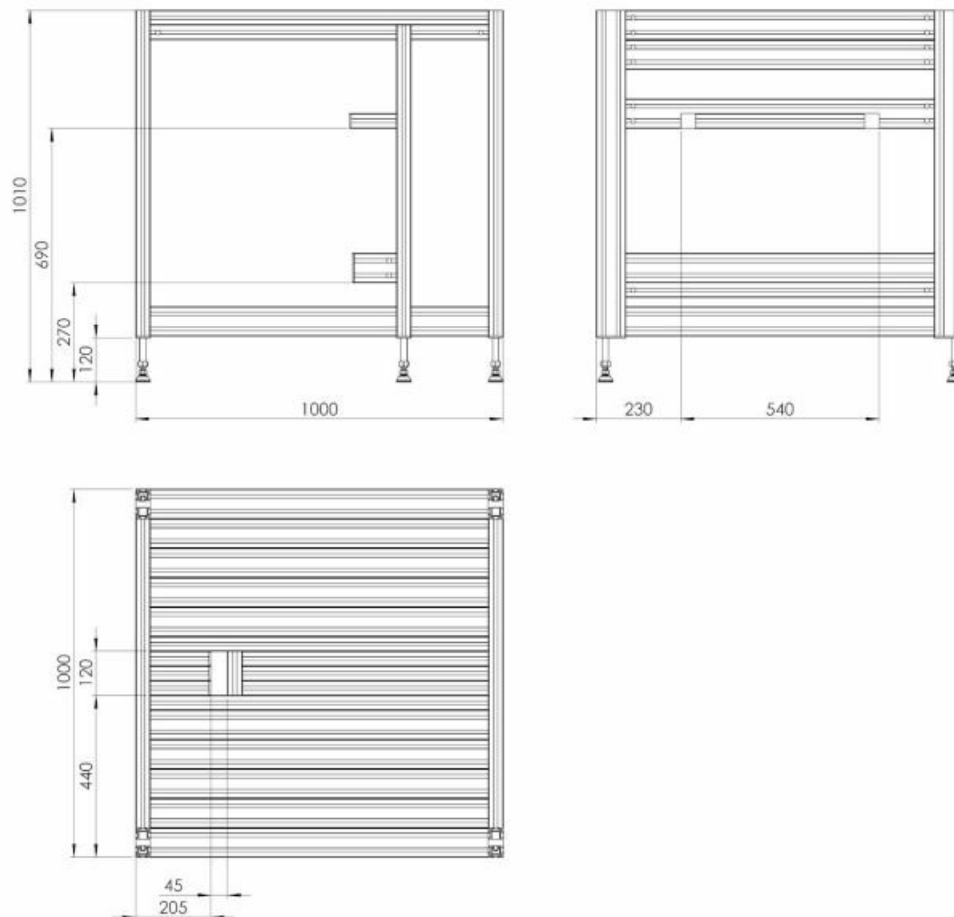
- Emissions Control Act,
- Waste Disposal Act,
- and the Water Resources Act.

Supplementary, higher-level, company-internal, or regional provisions may apply.

8. Warranty

If the above Conditions for the intended use are not met or if the safety instructions are not followed or if any maintenance work is not carried out as required, this leads to an exclusion of liability and the loss of the warranty.

9. Technical data



Parameter	Value
Material	aluminium
Environmental temperature	+5 °C - + 45 °C
Air humidity	20 to 85% rel.
Dimensions	1000 x 1000 x 1010 mm
Weight	approx. 85,5 g

Imprint:

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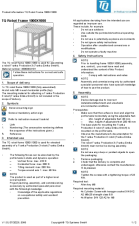
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Documents / Resources

	<p>TQ-Group 1000X1000 Robot Frame [pdf] Instructions 1000X1000 Robot Frame, Robot Frame, Frame</p>
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References

- [G Group Publishing](#)
- [TQ Electronic products & electronic services | TQ](#)