

Kiosk workstation user's guide

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Kiosk workstation general information

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WEEE



The use of this symbol on Renishaw products and / or accompanying documentation indicates that the product should not be mixed with general household waste upon disposal. It is the responsibility of the end user to dispose of this product at a designated collection point for waste electrical and electronic equipment (WEEE) to enable reuse or recycling. Correct disposal of this product will help to save valuable resources and prevent potential negative effects on the environment. For more information, please contact your local waste disposal service or Renishaw distributor.

Warranty

Unless you and Renishaw have agreed and signed a separate written agreement, the equipment and/or software are sold subject to the Renishaw Standard Terms and Conditions supplied with such equipment and/or software, or available on request from your local Renishaw office.

Renishaw warrants its equipment and software for a limited period (as set out in the Standard Terms and Conditions), provided that they are installed and used exactly as defined in associated Renishaw documentation. You should consult these Standard Terms and Conditions to find out the full details of your warranty.

Equipment and/or software purchased by you from a third-party supplier is subject to separate terms and conditions supplied with such equipment and/or software. You should contact your third-party supplier for details.

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Care of equipment

Renishaw probes and associated systems are precision tools used for obtaining precise measurements and must therefore be treated with care.

Changes to Renishaw products

Renishaw reserves the right to improve, change or modify its hardware or software without incurring any obligations to make changes to Renishaw equipment previously sold.

Company registration details

Renishaw plc. Registered in England and Wales. Company no: 1106260. Registered office: New Mills, Wotton-under-Edge, Gloucestershire, GL12 8JR, UK.

Packaging

To aid end user recycling and disposal the materials used in the different components of the packaging are stated here:

| Packaging component | Material | 94/62/EC code | 94/62/EC number |
|---------------------|--------------------------|---------------|-----------------|
| Crate | Plywood | FOR | 50 |
| Packing foam | Low density polyethylene | LDPE | 4 |
| Bag | Plastic / aluminium | C/LDPE | 90 |

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Kiosk workstation product compliance

EU declaration of conformity

Contact Renishaw plc or visit www.renishaw.com/EUCMM for the full EU declaration.

UK declaration of conformity

Contact Renishaw plc or visit www.renishaw.com/UKCMM for the full UK declaration.

REACH regulation

Information required by Article 33(1) of Regulation (EC) No. 1907/2006 ("REACH") relating to products containing substances of very high concern (SVHCs) is available at:

www.renishaw.com/REACH

China RoHS

Contact Renishaw plc or visit www.renishaw.com/ChinaRoHSCMM for the full China RoHS tabulation.



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Kiosk workstation safety

 Where this symbol is displayed on the product the user must refer to the installation and user guide for information and safety advice.

If the equipment is used in a manner not specified by the manufacturer then the safety of the equipment may be impaired.

 **WARNING:** To prevent unexpected machine movement, the user is advised to isolate the machine from the electricity supply, compressed air or other energy sources in accordance with the machine manufacturer's instructions before entering the danger zone or performing any maintenance operations.

 **WARNING:** The user's guide must be consulted in all cases where this symbol is used on the equipment, in order to find out the nature of the potential hazard and any actions which have to be taken.

Emergency stop

 **NOTE:** Emergency stop is not considered to be a primary means of risk reduction for the hazards presented at a machine. All precautions advised by the machine manufacturer, the Renishaw product documentation and health and safety literature should be considered in determining the safety strategy for the use of this equipment.

The Renishaw system may provide the following safety categories, to standard EN ISO 13849, according to the type of servo amplifier fitted:-

SPA2-2: Category 2

The choice of the stop category of the emergency stop depends on the results of the user's risk assessment of the machine.

The emergency stop system, provided within the Renishaw servo amplifiers, has provision for the integration of external actuating devices.

The user should advise Renishaw of the requirements for such devices resulting from risk assessment.

Any emergency stop devices supplied by the user must comply with the requirements of UL1054 (EN60947) or other appropriate standards.

 **WARNING: Risk of toppling**
The unit is provided with casters to help manoeuvre it into position. Take care pushing the kiosk, especially over rough surfaces. Push the kiosk below the mid-point or have a second person hold the unit steady as it is moved. Once in place, the unit should be fixed to the floor using the fixing holes provided.

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Kiosk workstation environmental conditions

| | |
|------------------------------|--|
| Indoor use | IP54 (BS EN60529:1992) |
| Altitude | Up to 2000 m |
| Operating temperature | +10 °C to +40 °C |
| Storage temperature | -20 °C to +70 °C |
| Relative humidity | 80% maximum (non-condensing) for temperatures up to +31 °C Linear decrease to 50% at +50 °C |

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Introduction

The CMM kiosk is Renishaw's offering of a workstation housing that is suitable for the more harsh situations such as the shop floor environments. The CMM kiosk offers IP54 protection to the CMM's monitor, PC and printer.

It has been ergonomically designed for ease of interaction with the CMM, and offers mounting points for a variety of optional extras such as MCU and part identification scanners.

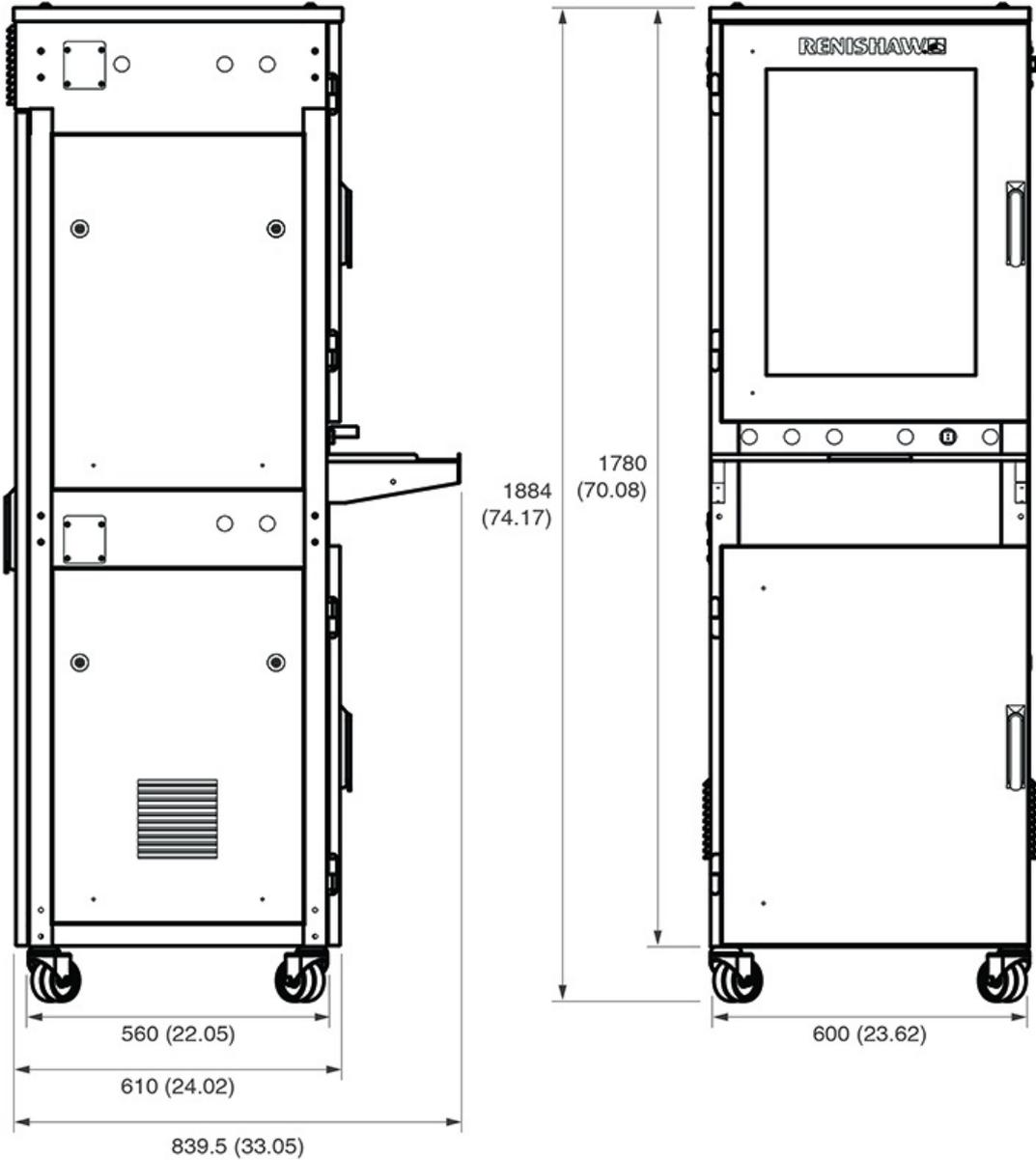
This user guide documents the main details of the standard kiosk, the possible variants of how the kiosk can be installed and further configuration options for the kiosk to the user needs. Also included are details of the periodic checks and maintenance that the user should carry out.

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Kiosk workstation description

Dimensions



i NOTE: Dimensions in mm (in).

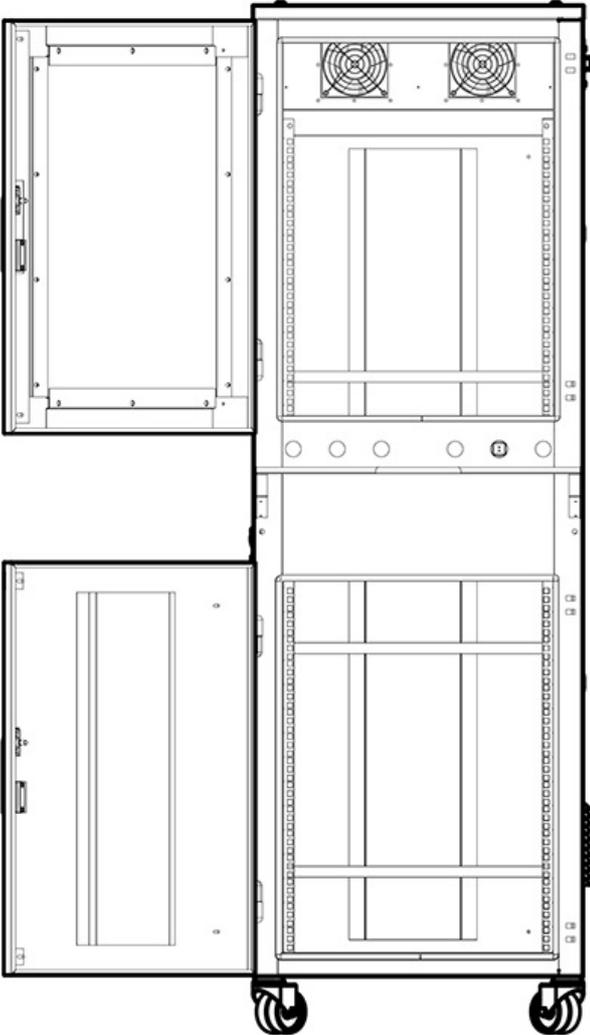
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180° opening lockable front doors

The front and rear access doors open to 180° and are lockable with a 7 mm square key. Two keys are supplied with each unit.

Please contact your local Renishaw office if replacement keys are required.



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Power distribution

Power is distributed throughout the kiosk via a 4-way IEC connector block.

Four male to female leads are supplied with the kiosk as standard to supply power for stand configuration:

1. PC
2. Printer
3. Monitor
4. 24 V PCU for cooling fan distribution PCB

Power is supplied to the cooling fans via a 24 V distribution PCB mounted within the kiosk. A 24 V PSU transformer block, to power this PCB, is supplied with each kiosk.

If a replacement 24 V PSU is required, please contact your local Renishaw support office.

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Installation variants

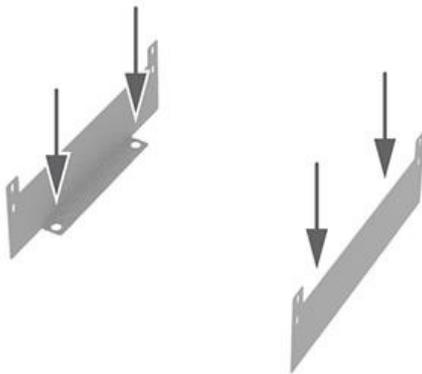
The kiosk must be restrained from toppling.

The preferred option is to use floor mounting fixings to secure the kiosk to the floor. The kick plates supplied in the kiosk kit should be secured to the floor. Pull force on floor fixing must be a minimum of 1 KN.

If kiosk cannot be fixed to the floor using kick plates then the suitable restraints should be used to remove the risk of the kiosk toppling.

Kick plate installation overview

1. Fix the two side plates to the floor using anchors.



2. Roll the kiosk into position between the side kick plates.

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3. Fix the kiosk base to the side plates.



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4. Once attached, fix the front and rear panels in place.



NOTE: If desired the kiosk can be re-positioned and re-installed by a single engineer with no lifting equipment. Please contact the installer to arrange reposition of the kiosk if required.

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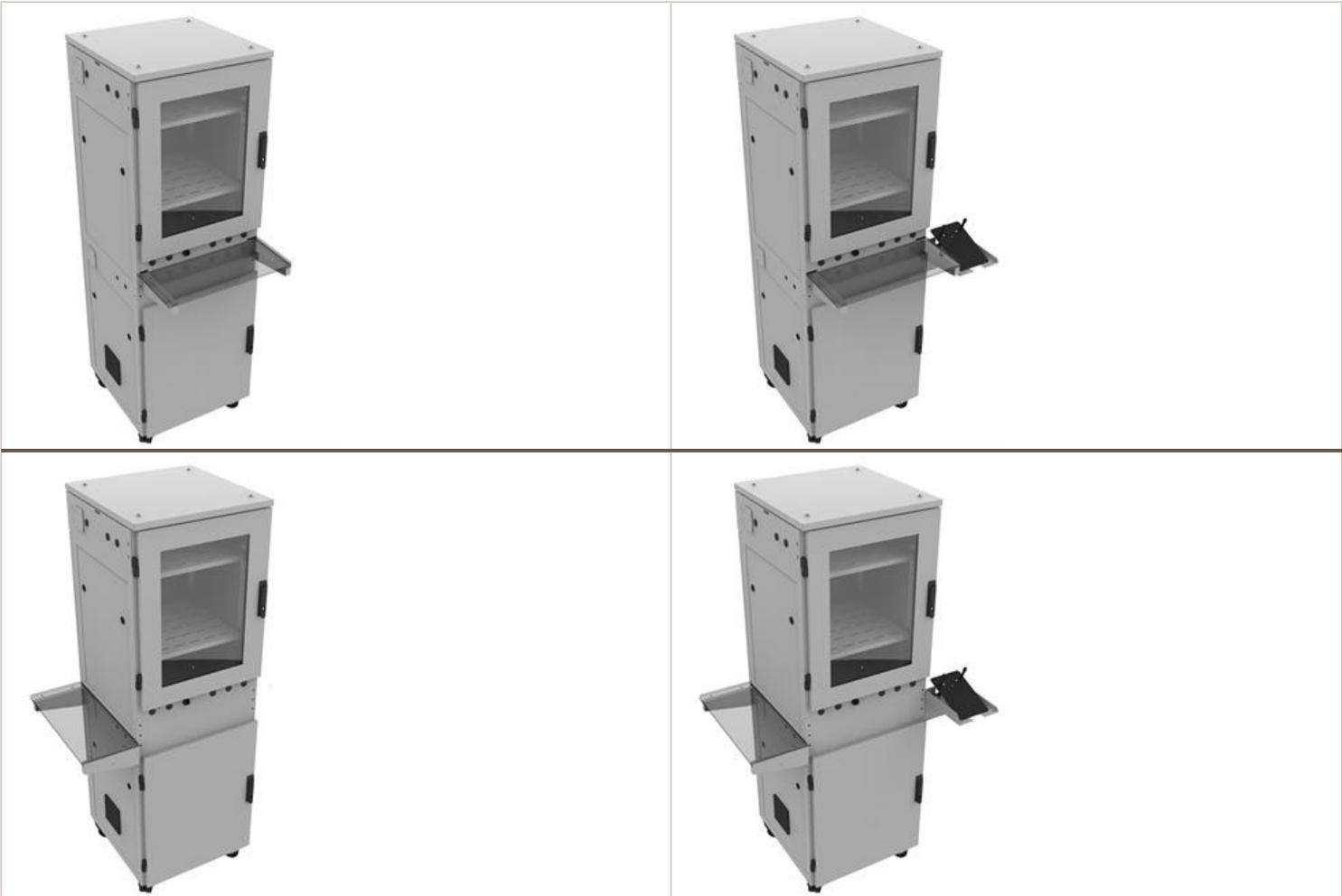
| Description | Part number |
|---------------------------|-------------|
| Kiosk assembly | A-6509-1100 |
| MCU tray | A-6509-0122 |
| MCU docking port assembly | A-1333-0026 |
| Kick plate kit | A-6509-0300 |

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Customer options

The kiosk can be configured in several different ways to suit the user. These include mounting options for the MCU and front or side-mounted keyboard tray.



Lockable drawers can be installed into the lower section of the kiosk.

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Kiosk workstation maintenance

Lifting



 **NOTE:** Lifting must only be carried out by the kiosk workstation installer. Please contact the kiosk workstation installer.

Periodic checks

It is advised to periodically check the kiosk and cable management system for damage or wear to key parts. Any visible damage or wear should be reported to the system maintenance engineer.

User serviceable parts

The kiosk has four fans which are the only user serviceable components.

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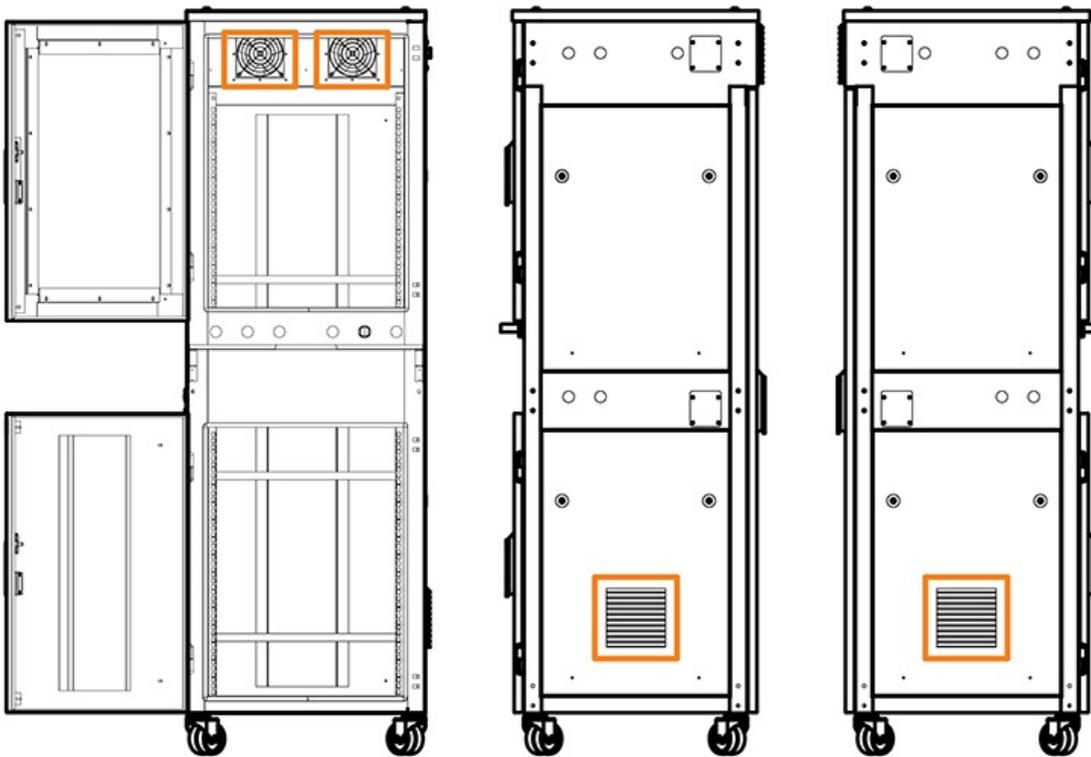
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Cooling fans



CAUTION: Ensure the cabinet is switched OFF before changing the filter.

The four kiosk fans are used to push air out of the cabinet for cooling the equipment within. Two fans are located on the top rear panel of the kiosk and one is located on each lower side panel.



The fans have mesh filters. Renishaw recommends that these are changed every 12 months at a minimum. If the kiosk is located in an environment with high levels of particulates in the air, the filters should be changed at more regular intervals.

| Description | Part number |
|--|-------------|
| Mesh filter replacement kit (pack of five) | A-6509-0400 |

Cleaning

Clean the kiosk workstation with a dry, lint-free cloth.

Renishaw plc
New Mills, Wotton-under-Edge
Gloucestershire, GL12 8JR
United Kingdom

T +44 (0)1453 524524
F +44 (0)1453 524901
www.renishaw.com/cmmsupport



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please visit our main website at
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