

mackworth

# FSG Portable Gantry



## Commissioning Manual

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## 1 Introduction

This manual will explain how to successfully commission the Mackworth FSG Portable Gantry safely and effectively. This document includes how to assembly the gantry, as well as removing and decommissioning the gantry at the end of its life cycle. The aim of the manual is to advise and assist you, so that you can provide a successful install for the end user.

## 2 Safety Precautions

Read and understand this manual in its entirety before Commissioning the Mackworth FSG Portable Gantry.

- Only Mackworth authorised personnel are eligible to perform a gantry commission and decommission.
- The gantry must not be in use by the user during any form of servicing.
- Ensure that all the procedures are followed correctly as instructed in this manual.
- All listed tools and equipment stated in this manual must be used to safely commission the gantry.
- Ensure you have assessed all risks for your environment and any persons within that environment before commencing work.
- Ensure you have all PPE available to carry out the work before commencing.
- The gantry is only suitable for installs within the professional and home health care environment.
- When working with gantries, ladders must be used for easier access. Ensure to follow safety guidelines while using ladders and working at height.

## 3 Tools and Equipment List

When carrying out work on the Mackworth TX Advanced Hoist, you will require the following:

Tools Required	Equipment Required
2mm Allen Key 2mm Slotted Screwdriver	Step Ladder Marker Pen Cloth Lint Free Cloth Relevant Documentation Digital Vernier Calliper Tape Measure

## 4 Assembly

This section will guide you on how to assemble and adjust the gantry. Prior to assembly, remove the components from the packaging, inspect the condition of each components and ensure that all components are available. See the list below for full component checklist. If any component is damaged, do not assemble the gantry and contact the local authorised dealer for replacement parts.

Item	Description
1	Adjustable track
2	Support Post
3	Foot
4	Trolley
5	Star handle bolts
6	User Manual



Follow the guidelines below for correct assembly method, a two person assembly is recommended.

1. Determine where the product is going to be installed, and clear the area from any obstacles.
2. Place a single foot onto a level surface and remove the star handle from its fixing.



- 3.** Insert the bottom of the support post into the foot as shown. Ensure to use both hands to support the post while inserting.



- 4.** Insert the star handle through the foot and post assembly and secure tightly.



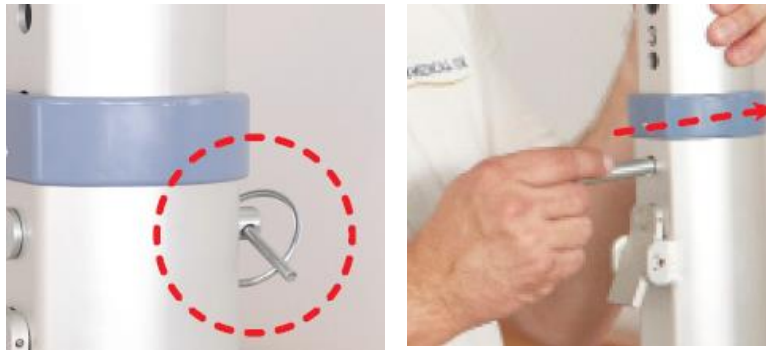
- 5.** Repeat steps 2 – 4 for the other foot and post assembly, and position them approximately 2.5m apart.  
**6.** Place the track onto the support posts using the locating pin on the posts to align the track correctly.



- 7.** Secure the track to the support posts by tightening the star handles as shown. This should remove lateral movement.



- 8.** To adjust the height of the gantry, first remove the safety and lynch pins found on both support posts.



- 9.** Press the latch found on the support post and raise the track vertically until the desired height has been reached. (This must be done on both posts)



- 10.** Once the desired height has been reached, release the latch and ensure it locates into the nearest hole found on the moving post. (Ensure this is done on both support posts and that the posts are set to the same height).



- 11.** Re-insert the safety and lynch pins into both support posts.  
**12.** If required, adjust the self-levelling screws to improve stability.



## 5 Accessories

The Remaining parts provided include the User Manual and the box/packaging. These should be given to the customer for safe keeping. The Box should also be kept with the User and stored in a safe place. The Box will be required for decommissioning and transportation.

## 6 Additional Documentation

See the list of available documents you may or may not need to refer to for a successful commission. All documents will be available to view on the Mackworth website: <http://mackworthusa.com>

- Spare Part Manual – 992548
- User Manual -999548
- Service Manual – 995548
- Hoist Commissioning Manual – See website

## 7 Decommissioning

Once the gantry has reached the end of its life cycle, the gantry will require decommissioning. This includes dismantling and disposal. Follow the guidelines below for detailed instructions on how to decommission correctly.

Before decommissioning the gantry, it is highly recommended that the gantry be cleaned to reduce the risk of cross-contamination. For cleaning instructions, refer to the user manual.

For details on hoist removal, refer to the hoist commissioning manual.

### 7.1 Dismantling

All serviceable components of the gantry should be dismantled prior to the disposal of the gantry. Refer to the service manual for detailed instructions on how to dismantle the gantry. This will be similar to the assembly instructions found in this manual.

### 7.2 Disposal

The following specifies the importance of correct disposal procedure including local laws and being environmentally friendly.

Please observe the local laws on recycling and respect the current laws for disposal within the community the device is being used within. If there is any uncertainty of the below guidelines, contact your local authorities to determine the proper method of disposal of potentially biohazardous parts and accessories.

The relevant components utilised in the manufacture of the device that can be recycled at the end of life are:

Fully recyclables:
FSG Track Assembly
FSG Leg Posts x2
FSG Feet x2
Initial packaging of the device (cardboard)
Metallic/Plastic fixing – Star Handles etc.

**Dealer/service contact details:**

**Contact details:**

**Mackworth USA**  
54 West Industrial Drive  
O'Fallon, MO 63366 USA  
314-889-1000  
www.mackworthusa.com

**Disclaimer**

While every effort has been made to ensure the accuracy of information contained in this manual, no liability can be accepted by Mackworth for any errors or omissions. Mackworth operates a policy of continuous improvement. Specifications and other data are subject to change without notice.

