

## MEDIAJET – Connection Kit MARKEM-IMAJE 9018-9030 and 9330 Operating Instructions V04 for inkjet printhead installation

### Document Change History

Vers.	Status:	Name:	Date:	Change:
V00	Released	n/a	24.02.2015	Document issued.
V01	Released	n/a	02.06.2015	Picture exchange.
V02	Released	n/a	08.06.2018	Printhead holder added.
V03	Released	n/a	21.08.2019	MJ compatibility and 9018, 9029, 9030 added.
V04	Released	n/a	06.04.2022	MJ compatibility to 9330 added

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## 1 Introduction

This document describes installation and connection of the MARKEM-IMAJE (MI) inkjet printhead to the MEDIAJET (MJ) dish filler. The following MI types are supported:

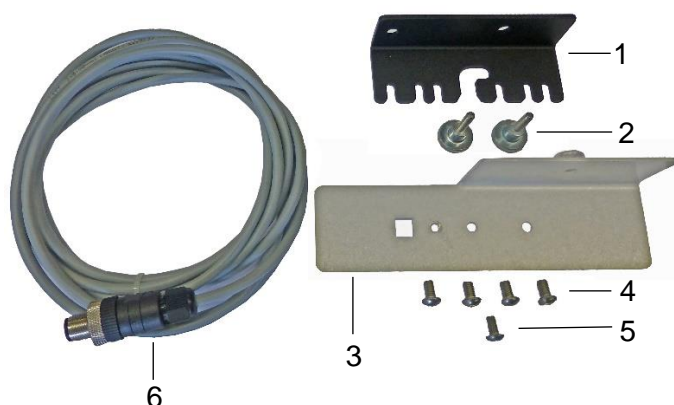
- 9018 (discont.), 9020 (discont.), 9028 (discont.), 9029, 9030 (discont.), 9330

Before starting with the installation, please carefully read both the MJ and the corresponding MI operating instructions. All MJ units manufactured after Dec 2005 / February 2007 (serial numbers above 10305000/11307000) are compatible with MI 9018/9020/9028/9029/9330 inkjet printers.

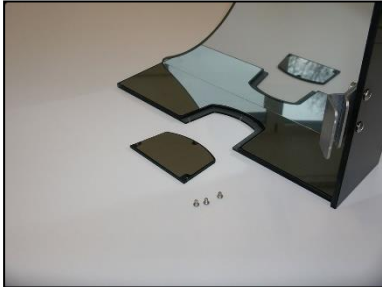
## 2 Required Accessories and Documentation

The components listed below are required to connect the IMAJE inkjet printer to MEDIAJET. Components available from INTEGRA Biosciences:

- MEDIAJET Dish Filler (Part no. 103005/103006/113000/113001/113002)
- MJ Operating Instructions (Part no. 103950)
- MEDIAJET Connecting kit (Part no. 103080) for MARKEM-IMAJE 9018-9030 and 9330 consisting of:
  - 1 Mounting bracket (Mb)
  - 2 Knurled head screw M5x16 (2x)
  - 3 Printhead holder (Phh) (103483)
  - 4 Lens head screw M6x10 (4x); 2x for Mb, 2x for Phh;
  - 5 Lens head screw M5x10 (to fix Phh on Maintenance tray)
  - 6 Interface cable MJ to MI (Part no. 103081)
  - 7 This document (Part no. 103983)



### 3 Mount printhead onto MEDIAJET



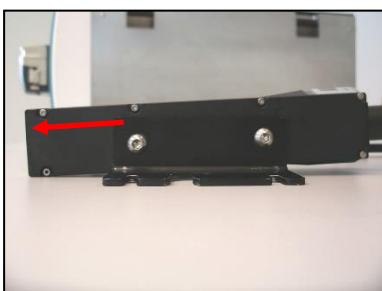
Remove the slot cover on the back side of the MEDIAJET Plexiglas safety cover.



With a thin screwdriver spear the two round plastic pieces which cover the threads of the printhead fixing points and remove them.

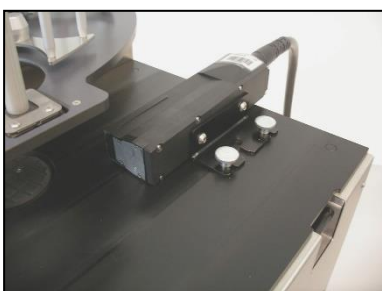


Fix the printhead adapter to the MI inkjet printhead using the two M6x10 Allen screws.



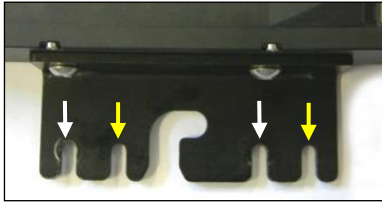
Place the printhead on a flat surface and adjust the adapter plate so that the head points slightly downward. Completely tighten the two Allen screws.

**Note:** This allows the vertical adjustment of the ink jet stream to the side of the Petri dish bottom.

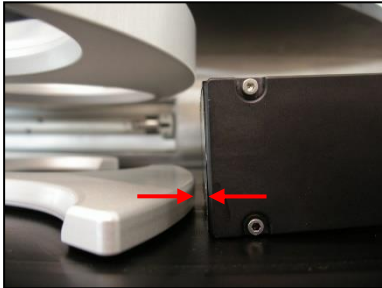


Fix the printhead onto the MEDIAJET with the two knurled head screws.

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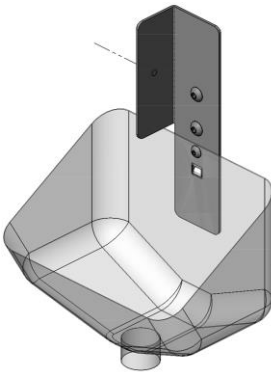
Use the anterior slots (white arrows) when printing on 90 mm Petri dishes or use the middle slots (yellow arrows) when printing on 60 mm Petri dishes to fix the printhead onto the MJ. Use the posterior slots (not shown beside) for 35 mm Petri dishes (small printing area).



Mount the rotor to the MEDIAJET and check whether the clearance between the rotor and the printhead is between 1.5 to 3.5 mm.



Close the Plexiglas safety cover of the MEDIAJET. Check if the safety cover correctly seals the MEDIAJET filling chamber and if the printhead properly fits into the slot on the back side of the safety cover.

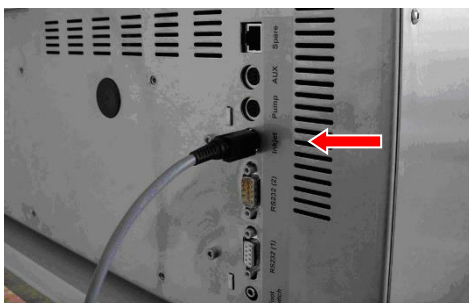


If you have a Maintenance tray to rinse the printhead, mount Printhead holder (103483) with Lens head screw M5x10, as shown beside.

Mount the Printhead holder with the delivered Lens head screw M6x10 (2x) or others on a stand or a wall.

For rinsing insert the printhead in the Printhead holder above the tray.

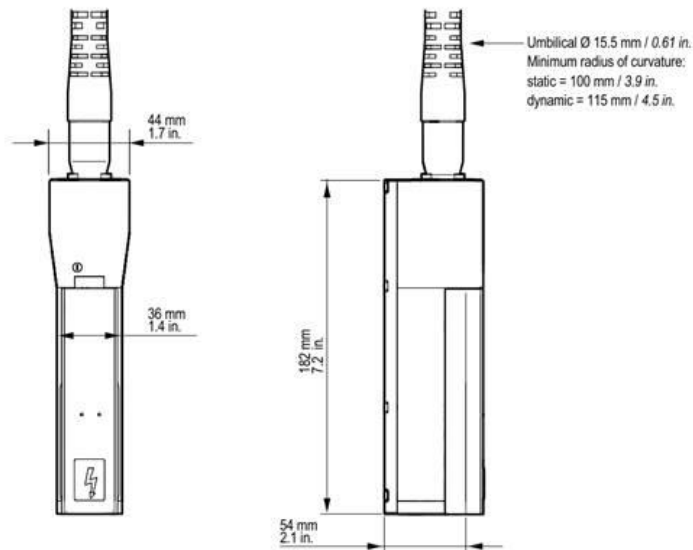
## 4 Plugging of Interface cable



Insert the Mini-DIN 8 poles plug of the Interface cable (103081) into the socket labeled with INKJET on the rear panel of the MEDIAJET.

Insert the plug at the other end of the interface cable according to the MI Operating Instructions.

## 5 Drawing of compatible Markem Imaje printhead



## 6 Imprint

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