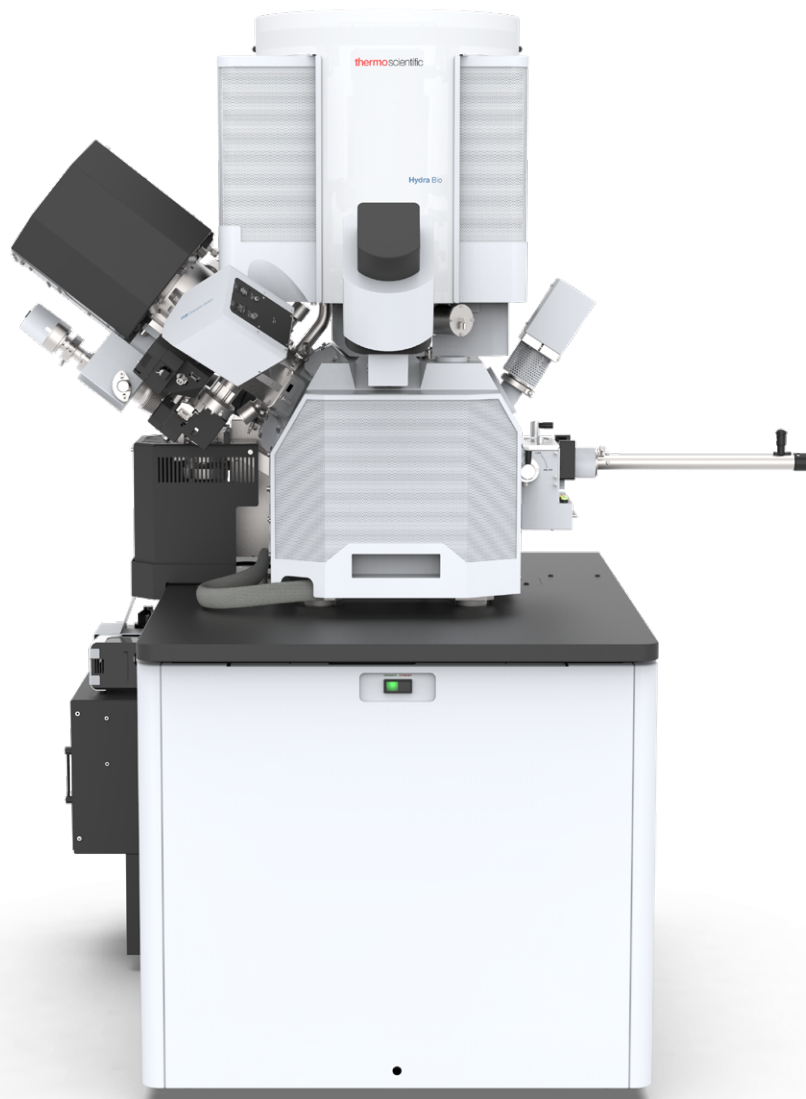










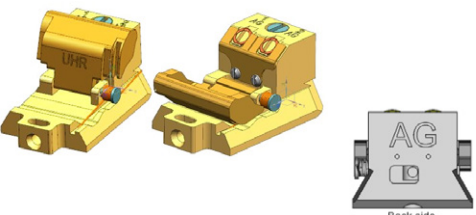
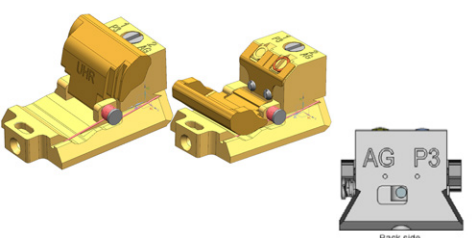
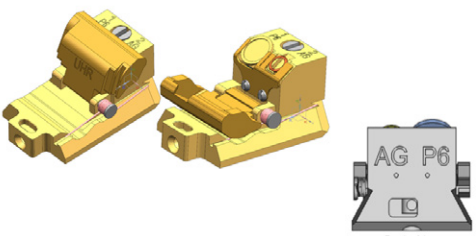
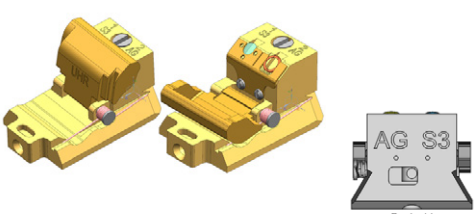
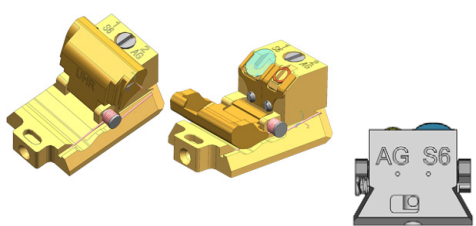
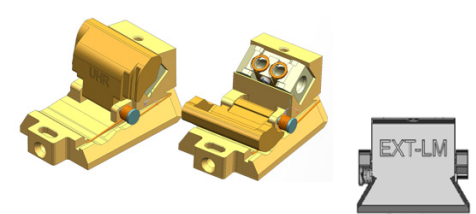
Hydra Bio Plasma-FIB



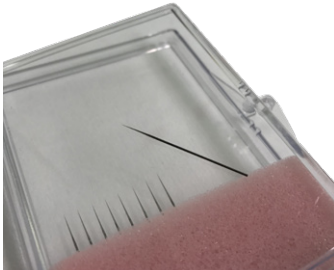

Accessory and consumables overview

This document provides an overview of the accessories and consumables for Thermo Scientific™ Hydra Bio™ Plasma-FIB. Some of these are part of the minimum Cryo Package tool-set. Others may be used to assist a particular workflow, depending on your specimen type or preference.



Accessory / Consumable	Part number	Description
C-Clip Ring (1x100 pcs)	1036173	Set of 100 rings in which classical 3 mm specimen grids can be mounted. A C-clip ring is also referred to as AutoGrid.
		
CryoFIB AutoGrid (1x100 pcs))	1205101	Set of 100 modified rings for low angle FIB milling compatible with the standard 3 mm specimen. A standard C-Clip is required to secure the grid.
		
C-Clip (1x100 pcs)	1036171	Set of 100 clips that secure the specimen grids inside the Auto-Grid rings. Compatible with Cryo-FIB AutoGrid.
		
C-Clip Insertion Tool	9432 909 97571	Tool to insert a C-clip into an AutoGrid ring.
		
AutoGrid Alignment Tool	9432 909 97641	Tool that assists in aligning the C-clip insertion tool to an AutoGrid ring.
		
AutoGrid Container (1x20 pcs)	1084591	Set of 20 boxes (also referred to as AutoGrid Boxes) used for storage and transfer of up to four (4) AutoGrids. Each box comes with a lid that can be fastened to hold the AutoGrids in place and protect them during cryo transfers.
		
Grid Container Tool	9432 909 97671	Tool to pick up, transfer, and place both conventional grid containers and AutoGrid containers.
		
AutoGrid Tweezers	9432 909 97631	Pair of tweezers used to manipulate AutoGrids between an AutoGrid box and a cassette.
		

Accessory / Consumable	Part number	Description
<p data-bbox="97 188 574 224">AutoGrid Shuttle 3 mm</p> 	1515747	<p data-bbox="790 188 1495 380">The AutoGrid shuttle has a pre-tilted sample uptake and can accommodate two AutoGrids. The shuttle is labeled with engraved (AG) mark on the top and back side. It is compatible with the iFLM Correlative System and the immersion mode of the Hydra Bio PFIB (indicated with UHR on the protective cover).</p>
<p data-bbox="97 495 574 530">HPF-Carrier Shuttle 3 mm</p> 	1515759	<p data-bbox="790 495 1495 728">The 3 mm HPF-carrier shuttle has a pre-tilted sample uptake and can accommodate a standard 3 mm HPF carrier and an AutoGrid. The respective positions of the 3 mm HPF carrier (P3) and the AutoGrid (AG) are engraved on the top and back side of the shuttle. It is compatible with the iFLM Correlative System and the immersion mode of the Hydra Bio PFIB (indicated with UHR on the protective cover).</p>
<p data-bbox="97 801 574 837">HPF-Carrier Shuttle 6 mm</p> 	1515762	<p data-bbox="790 801 1495 1030">The 6 mm HPF-carrier shuttle has a pre-tilted sample uptake and can accommodate a standard 6 mm HPF carrier and an AutoGrid. The respective positions of the 6 mm HPF carrier (P6) and the AutoGrid (AG) are engraved on the top and back side of the shuttle. It is compatible with the iFLM Correlative System and the immersion mode of the Hydra Bio PFIB (indicated with UHR on the protective cover).</p>
<p data-bbox="97 1108 574 1144">HPF-Sapphire Shuttle 3 mm</p> 	1515752	<p data-bbox="790 1108 1495 1321">The 3 mm HPF-sapphire shuttle has a pre-tilted sample uptake and can accommodate a standard 3 mm HPF sapphire disk and an AutoGrid. The respective positions of the 3 mm HPF sapphire disk (S3) and the AutoGrid (AG) are engraved on the top and back side of the shuttle. It is compatible with the iFLM Correlative System and the immersion mode of the Hydra Bio PFIB (indicated with UHR on the protective cover).</p>
<p data-bbox="97 1393 574 1429">HPF-Sapphire Shuttle 6 mm</p> 	1515754	<p data-bbox="790 1393 1495 1601">The 6 mm HPF-sapphire shuttle has a pre-tilted sample uptake and can accommodate a standard 6 mm HPF sapphire disk and an AutoGrid. The respective positions of the 6 mm HPF sapphire disk (S6) and the AutoGrid (AG) are engraved on the top and back side of the shuttle. It is compatible with the iFLM Correlative System and the immersion mode of the Hydra Bio PFIB (indicated with UHR on the protective cover).</p>
<p data-bbox="97 1680 574 1715">Leica Cryo CLEM Kit</p> 	1514060	<p data-bbox="790 1680 1495 1870">The 35 degree Leica Cryo CLEM Kit contains one FIB-shuttle compatible with the Leica Cartridge used in the Leica EM Cryo CLEM light microscope. It is compatible with the iFLM Correlative System and the immersion mode of the Hydra Bio FIB (indicated with UHR on the protective cover). The kit contains all tools required for shuttle manipulation and transfer.</p>

Accessory / Consumable	Part number	Description
<p>Preparation Station</p> 	1136946	Complete preparation set with controller station, preparation pot with loading lid, transfer rod, and diaphragm pump.
<p>Preparation Pot</p> 	1215927	Additional single preparation pot.
<p>Half Moon Grids (1x100 pcs)</p> 	1063888	Copper grids with 4POST used in the EasyLift Cryo application.
<p>W Probe tips (1x10 pcs)</p> 	1020466	Tips for needle used in the EasyLift Cryo application for attaching the sample chunk. They should be replaced if damaged, or once the capacity of the needle (after re-sharpening) is reached.
<p>Tweezer, straight</p> 	4022 297 12561	Pair of tweezers used to manipulate the needle used in the EasyLift Cryo application

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