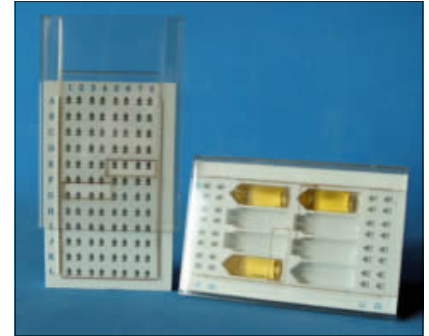


## MEM Grid Box Multipurpose EM Specimen Grid Box

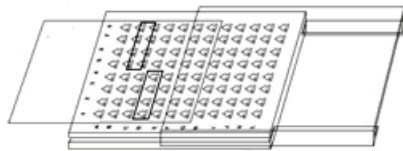
A newly designed Grid Box offering **safety, ease and convenience** – This EM specimen grid box is one of the most desirable boxes on the market.

### Advantages:

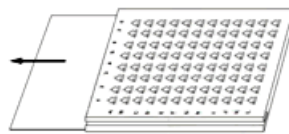
- Eliminates the chances of tweezer insertion damaging the grids – The 'tweezers slot' and 'grid slot' are in a separate location. The tweezers are only able to grip the edge of the grid enabling it to be picked up.
  - Stored grids no longer jump out of the box when the cover is removed. There is a separate plastic cover between the box and the sliding lid which allows only four slots to be exposed at any time.
  - The Grid Record Card is stored safely along on the reverse side of the box.
- Dimensions: 81mm L x 54mm W x 6mm Thick.



<b>G279</b>	MEM-96 can store up to 96 grids	each
<b>G279/10</b>	MEM-96 to store up to 96 grids	10 pack
<b>G280</b>	MEM 32 can store up to 32 grids and 8 blocks	each
<b>G280/10</b>	MEM 32 to store up to 32 grids and 8 blocks	10 pack

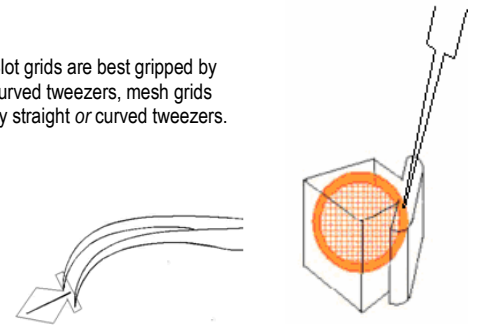


When moving the plastic cover only four holes are exposed at any time



Record card is stored under the box

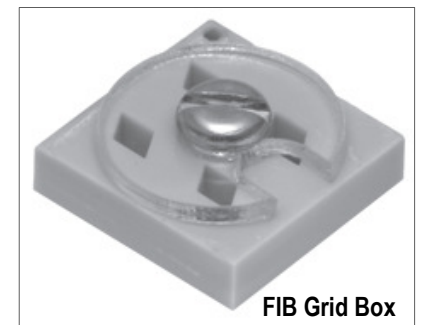
Slot grids are best gripped by curved tweezers, mesh grids by straight or curved tweezers.



## FIB Grid Storage Box

Storage box for four (4) FIB lift-out grids or half grids. Cavity depth is just 1.7mm, thus preventing grids from rotating. The diamond shaped cavities allow grids to be easily loaded or unloaded using fine tweezers.

**G277** FIB grid storage box



FIB Grid Box

## Cryo Grid Boxes

These cryo grid boxes are used for transferring, storing and manipulating vitrified cryo TEM specimens made with cryo devices such as the FEI Vitrobot™, Gatan 626 or Gatan CT4500 cryotransfer systems and others.. There are two versions each with four storage positions. The circular box is the most widely used and is available with or without a non-static rotatable lid. All of the boxes have a 5/40 tap in the centre. On versions with lids, the lid is held in place with a stainless steel screw. They can also be used for storing or transporting small numbers of grids or specimens. A handling tool is available for the cryo grid boxes.

<b>G274</b>	Cryo grid box with lid, circular	<b>G274/B</b>	Cryo grid box base only
<b>G278</b>	Cryo grid box with pin type lid, circular	<b>G275</b>	Cryo grid box with lid, square
<b>G276</b>	Cryo grid box handling tool		



G276 Cryo grid box handling tool

## Cryo Grid Box Tweezers & Gripper

Tweezers specially designed for handling cryo grid boxes with rotating lid used for storing grids under liquid nitrogen. The box is gripped via the head of the screw on the top. Designed for 5mm Ø screw heads, but can be used for screw head sizes 3mm Ø to 6mm Ø. Length of these tweezers is 145mm. The high quality, Swiss made tweezers feature polished edges for good contact, added length for safe handling in LN<sub>2</sub>, matt anti-glare finish and serrated handles for extra grip.

**T613** Cryo grid box tweezers each

Spring loaded **Grid Box Gripper** gives firm grip on pin type lid even under LN<sub>2</sub>.

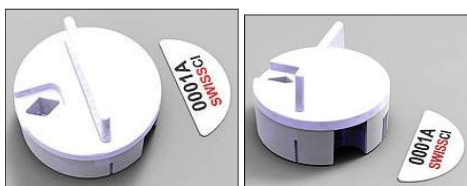
**T678** Cryo grid box gripper, made from cryo resistant Al

**T678** Cryo Grid Box Gripper



**T613** Cryo Grid Box Tweezers

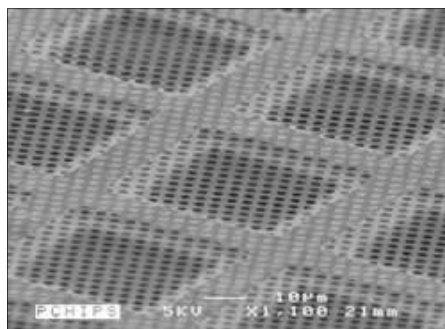
## Premium Cryo Grid Box



For storing vitrified samples on TEM grids. Click-stop rotating lid, a vertical ridge on the lid for easy rotation, marked cavities and a unique number for each individual cryo grid box. A round box with **4 diamond shaped positions**, each index notched. The lid rotates using standard laboratory tweezers and the click-stop mechanism keeps the lid on the base and in place when a cavity is selected. The unique numbering makes it easy to archive the samples, to retrieve from storage and to avoid archiving mistakes or mix-up of samples. Compatible with all major cryo systems.

**G348** Premium cryo grid box 14mm Ø x 9mm deep. Made from anti-static polymer blend  
**G348/10** Premium cryo grid box pack of 10 **G348/100** Premium cryo grid box pack of 100

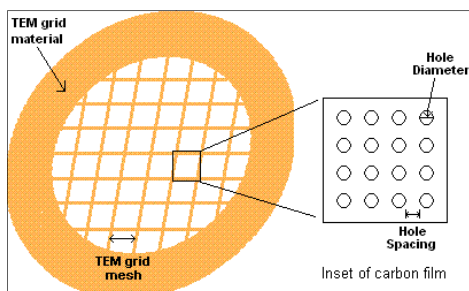
## Ultra Flat Holey Carbon Grids for Cryo TEM



**C-Flat™** is an ultra-flat, holey, carbon-coated TEM support grid for transmission electron microscopy (TEM). Unlike some other holey carbon films, C-flat™ is manufactured **without plastics**, so it is clean and without residue and can be used straight from the box. Made with patent pending technology, C-flat™ provides an ultra-flat surface that results in better particle dispersion and more uniform ice thickness. Patterning is done using deep-UV projection lithography, ensuring the most accurate and consistent hole shapes and sizes down to submicron features. The precise methods by which C-flat™ is manufactured eliminate artefacts such as excess carbon and edges around holes.

C-Flat™ holey carbon grids provide the ideal specimen support to achieve **high resolution data in cryo-TEM** making them an ideal choice for single particle analysis, cryo electron tomography and automated TEM analysis. C-Flat™ is a holey carbon film supported by a standard TEM grid. C-Flat™ products are fully specified by 4 parameters: the hole diameter and pitch of the holey carbon film plus the material type and mesh size of the TEM grid. **Standard support thickness is 20nm but 40nm is available on request at extra cost (about 30%).** Add postfix /T to existing code number e.g. G285/C50 becomes G285/C50/T.

C-Flat™ is available in several standard array patterns including hole diameters/hole spacings of 0.6/2, 1/1, 1/2, 1/4, 1.2/1.3, 2/1, 2/2, 2/4, 4/2, and a multi-hole pattern. C-Flat™ is supported by your choice of a **200 mesh** or **400 mesh copper TEM grid** and sold in quantities of 25, 50, or 100. **Available on other grid materials (e.g. gold)** to special order.

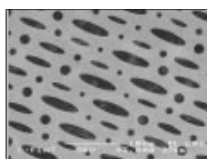


## Ordering Information

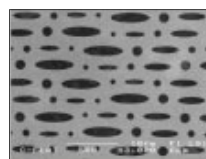
### CF-MH-2C and CF-MH-4C

**Multi-hole and space.** The Multi-hole device has a staggered pattern of six features consisting of three circle patterns of 1µm, 1.4µm and 2µm diameter and three ellipse patterns of 1µm x 4µm, 1.4µm x 5.6µm and 2µm x 8µm.

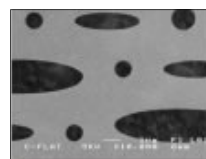
1500x (45°)



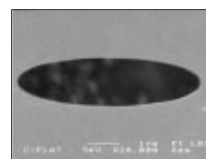
3000x



10,000x



20,000x

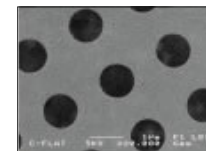
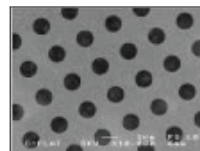
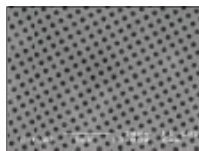
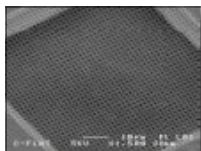


**G281/C50** CF-MH-2C Multi-hole on **200** mesh Cu grid (50)  
**G281C100** CF-MH-2C Multi-hole on **200** mesh Cu grid (100)

**G282/C50** CF-MH-4C Multi-hole on **400** mesh Cu grid (50)  
**G282/C100** CF-MH-4C Multi-hole on **400** mesh Cu grid (100)

**CF-1/1-2C** and **CF-1/1-4C**  
 (200 mesh Cu) (400 mesh Cu)

**1.0µm hole, 1.0µm space**

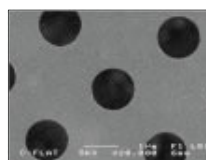
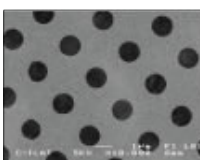
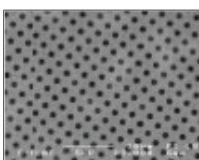
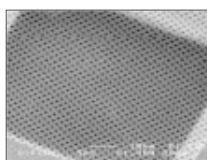


**G283/C50** CF-1/1-2C 1µm hole x 1µm space on **200** mesh Cu grid (50)  
**G283/C100** CF-1/1-2C 1µm hole x 1µm space on **200** mesh Cu grid (100)

**G284/C50** CF-1/1-4C 1µm hole x 1µm space on **400** mesh Cu grid (50)  
**G284/C100** CF-1/1-4C 1µm hole x 1µm space on **400** mesh Cu grid (100)

**CF-1.2/1.3-2C** and **CF-1.2/1.3-4C**  
 (200 mesh Cu) (400 mesh Cu)

**1.2µm hole, 1.3µm space**



**G285/C50** CF-1.2/1.3-C 1.2µm hole x 1.3µm space on **200** mesh Cu grid (50) **G286/C50** CF-1.2/1.3-4C 1.2µm hole x 1.3µm space on **400** mesh Cu grid (50)  
**G285/C100** CF-1.2/1.3-C 1.2µm hole x 1.3µm space on **200** mesh Cu grid (100) **G286/C100** CF-1.2/1.3-4C 1.2µm hole x 1.3µm space on **400** mesh Cu grid (100)