CrysPack

for clean,for safe

FUZHOU
CRYSPACK OPTO-ELECTRONIC
TECHNOLOGY CO.,LTD.

福州康派克光电科技有限公司

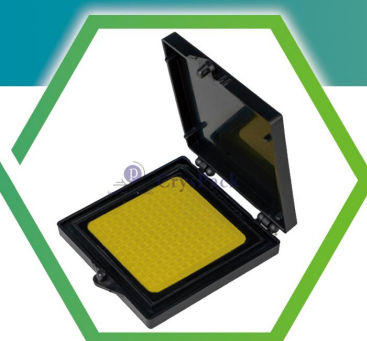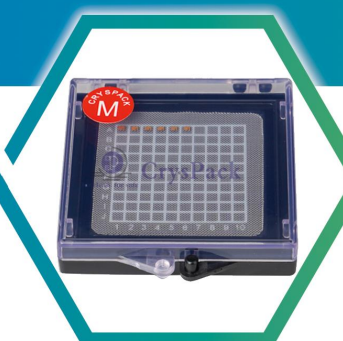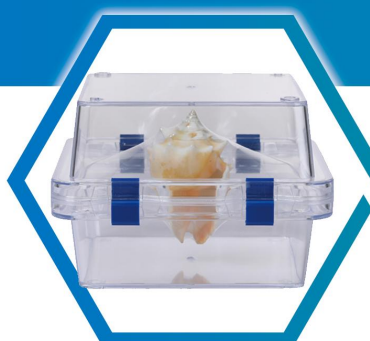RoHS   REACH COMPLIANT   ISO 9001 Certified   RECYCLE · REUSE · REDUCE

About us

After nearly 20 years of development, Fuzhou Cryspack Opto-Electronic Technology Co., Ltd. (hereinafter referred to as Cryspack) has become a world famous supplier in the field of precision packaging. Cryspack has been adhering to the quality policy of " Today's quality, tomorrow's market." Providing customers with reliable products and sincere services is Cryspack's eternal pursuit.

Cryspack has created innovative solutions for the safe handling and shipping of leading edge technologies, and over 1000 active customers rely on Cryspack. Cryspack's best-selling packaging includes but not limited to membrane box, vacuum box, gel box, optical storage box, wafer box, etc. All the products from Cryspack are in line with EU ROHS and REACH certification standards. They are widely used in semiconductor, optoelectronic, microwave, tele-communication, medical, automotive and other industries.

Cryspack's perfect quality management system, innovative R&D team and fast-response sales network provide customers with a satisfactory purchase and use experience.

CrysPack

for clean,for safe

Workshop Dust-free，High cleanliness

Quality Control
100% inspection，quality is guaranteed >

FUZHOU
CRYSPACK OPTO-ELECTRONIC
TECHNOLOGY CO.,LTD.

customers all over the world >

Our company has obtained more than 30 patents

We were rated as an innovative small and medium-sized enterprise with honorary title of Fujian High-tech "Little giant", and the certificate of high-tech enterprise of Fujian Province was awarded

CrysPack
for clean,for safe

Membrane Box

Membrane Boxes are constructed using a thin, highly elastic transparent membrane mounted to the top and bottom halves of a polystyrene box. High elasticity allows devices or large objects that have an irregular shape or non-flat contact surface to suspend between the two transparent membranes. Due to its high security, reliability, stability, and 3D visibility, it is ideal for shipping 3-D objects such as Test Sockets, Optics, Prisms, Lenses and Crystals. The high optical transparency of the membrane box allows for inspection and visual checks of the devices without having to open the box.

The membrane boxes are reusable and come in a wide range of shapes and sizes. In addition to standard products, customization of personalized LOGO, anti-static materials as well as hinges colors are available. Currently, two series of membrane boxes are available:

◆ M1 series （Without hinges)
◆ M2 series（with hinge）

M1 series（Without hinges)

M2 series（with hinge）

Sticky Box
自吸附盒

Cryspack's sticky box is comprised of a plastic hinged box with special gel coating applied directly to the bottom.

The surface of the gel has intrinsic stickiness that effectively immobilizes the devices during shipping, handling and processing. The degree of holding force is intrinsic to the tack ability of the gel, and there are four tack level available: XL(extra low stickiness), L(low stickiness), M(medium stickiness) and H(high stickiness). Proper tack level will guarantee the components to be held in place and protected from damage even if the box is tilted or turned upside down. The components can be loaded or unloaded using tweezers or fingers.

Cryspack has devised an effective box system that offers a versatile selection of box materials optimized for the diverse range of applications:

- ◆ CB - Conductive black box
- ◆ CT - Clear Anti-Static box
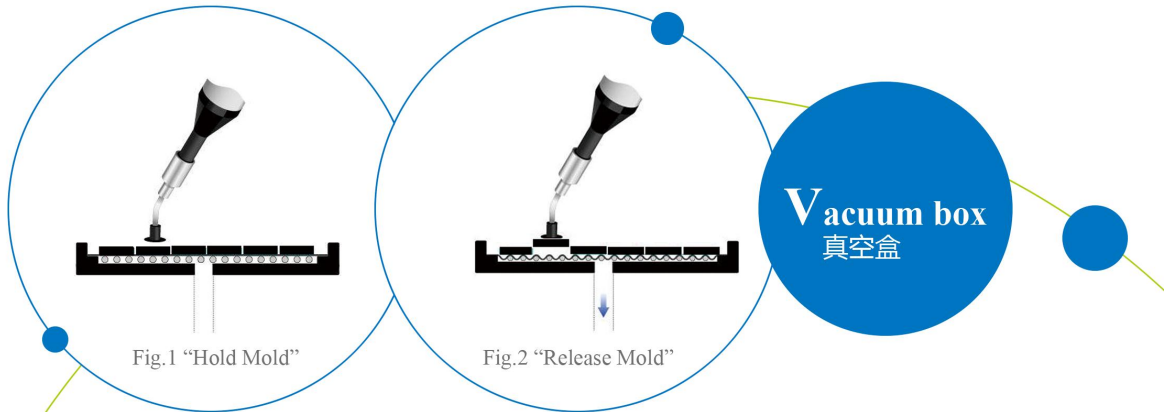- ◆ B – Black box
- ◆ T - Clear Box

A wide assortment of optional printed grid patterns readily available. Custom sizes and prints (grids, company name, logo, etc) can be created upon request.
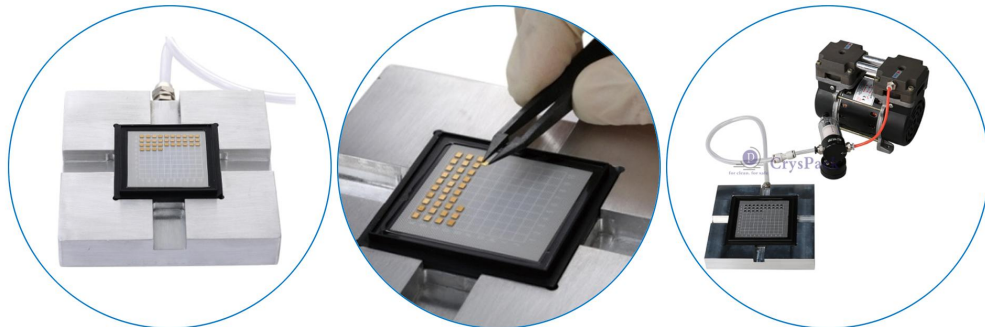
Sticky box with tray
托盘式自吸附盒

Similar to sticky box, the tray series is to have gel directly coated on the surface of the plastic tray. The tray can be removed from the plastic box and placed on the production line for use.

Fig.1 "Hold Mold"

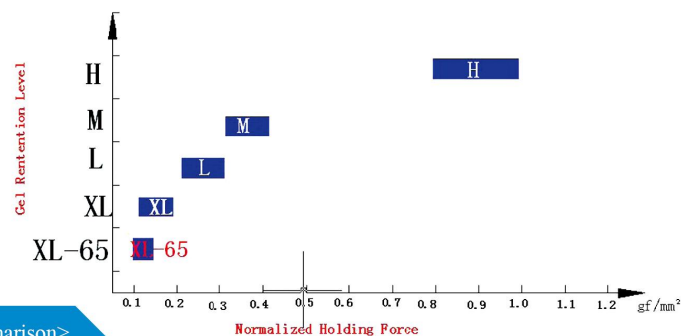Fig.2 "Release Mold"

Vacuum box
真空盒

The vacuum boxes from Cryspack are available in 2" and 4" sizes. The box is either hinged with snap closure (VR-B SERIES) or slides into a clip (VR-A series) for secure closure and transport. Each box contains a tray with gel to firmly hold substrates, electronic devices, and other materials.

Applying vacuum to the tray (in release mode), the elastomer material conforms to the mesh layer beneath it reducing device contact area, allowing the device to be removed easily without prying or application of force. Once the vacuum has been removed, the elastic film will return to its original position. VR tray is reusable. It can be repeated in the hold and release process. Vacuum boxes may be used in automated pick-and-place applications.

Retention levels available are XL(extra low tack level), L(low tack level), M(medium tack level) and H(high tack level). The optimum tack level for individual parts depends on size and surface roughness. Grid size can be customized according to your requirements.
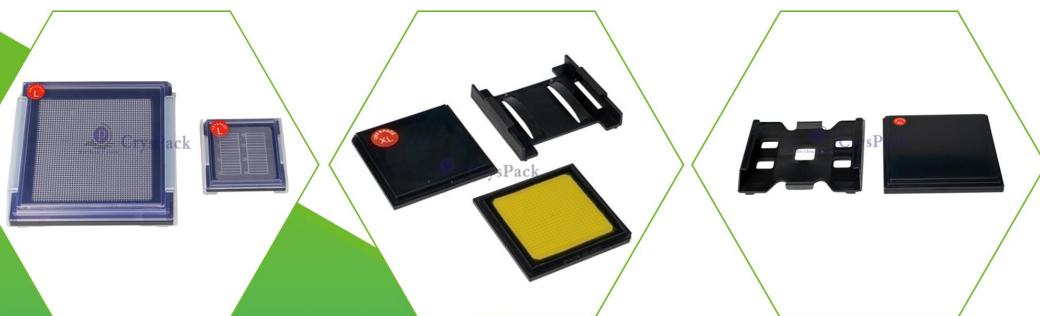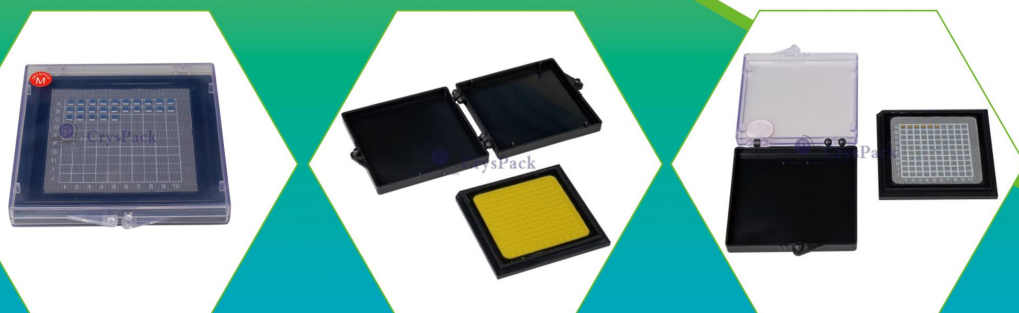

Retention Level Comarison>

To optimize unloading performance, Cryspack provides a range of mesh geometries. Choosing the right mesh depends on the size of your device. If you are not certain about the mesh, please contact our technical sales team.

Size of the device (um)	Suggested mesh	Suggested tack level	
		Smooth surface	Rough surface
X≤254	195	XL(65)	XL
254≤X≤508	195/137	XL	L
508≤X≤1524	76/103	XL	L
1524≤X≤2794	33	L	M
2794≤X	16	M	M

VR-A series （Vacuum box with clip）

VR-B series (Vacuum box with hinged box)

Wafer Container
硅片盒

Cryspack's silicon wafer containers are made from polypropylene and designed for both 2 inch &4 inch diameter wafers. They can prevent precision wafer or substrate from damage and contamination during shipping and storing.

Two series of wafer containers available in Cryspack

◆SW series (Single wafer box)
◆W series (multiple-wafer box--a storage capacity of 25 wafers)

CPK-SW-2
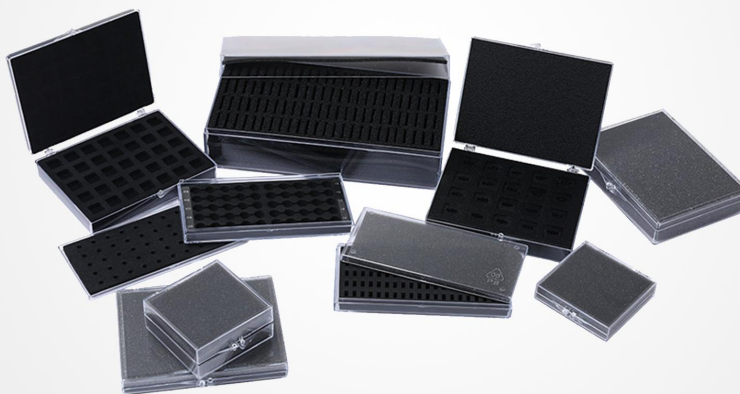Φ60mm*12mm/1pc>

CPK-W-2
Φ2 inch/25pcs>

CPK-W-4
Φ4 inch/25pcs>

Sponge box
海绵盒

Cryspack's sponge boxes are fitted with soft foam inserts so that delicate optics will always remain protected even strong shocks or vibration happens. Sponge boxes have been widely applied in many fields, such as semiconductor, optical materials and optical communication.

Customization of appropriate sponge packaging is also available, please contact our technical sales team.

Optical Storage Box
吸塑盒

Optical storage box is made of PET-G material, which is designed and processed by precise mold according to different shapes of the components. It is mainly used for various optical lenses, prisms, filters, mirrors and other optical components.

Cryspack's optical storage boxes are perfect for keeping optical components organised and protected during transport.

If you require a custom design or have a quantity requirement for our stock range of storage boxes please contact our technical sales team.

Optical Protect Bag
光学保护袋

Cryspack provides dust-free cotton bags in a wide range of sizes. The optical protect bag is made of white hydroentangled polyester and it's an economic methods for packing lenses.
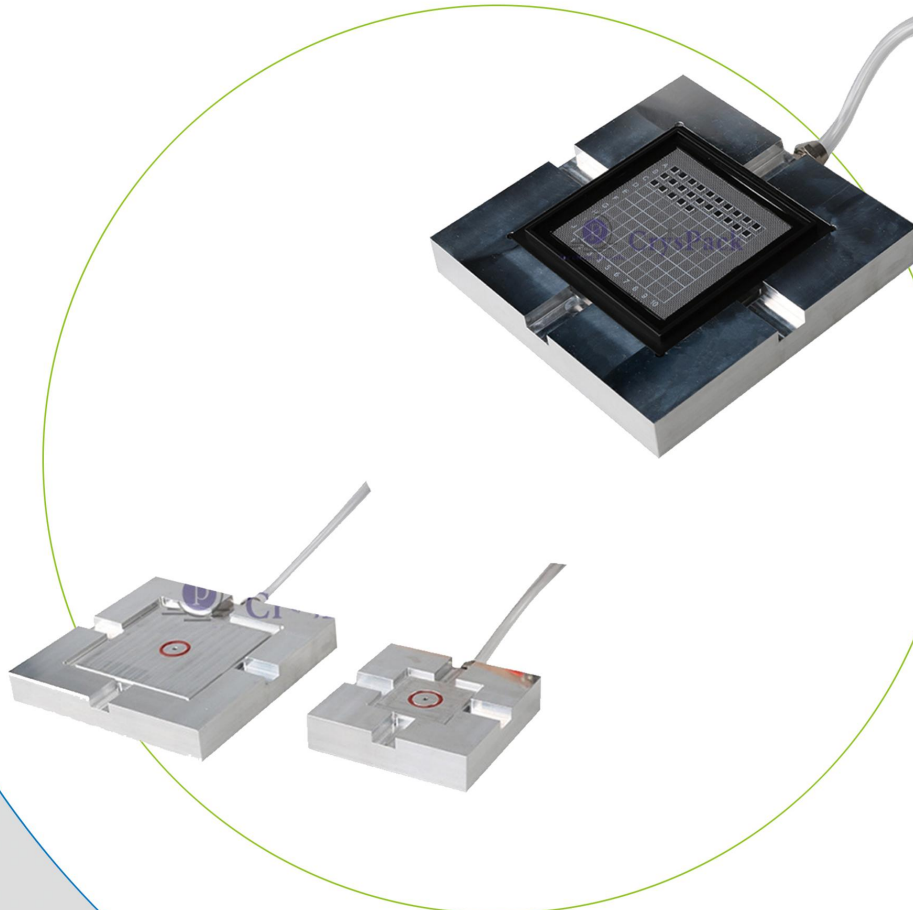
Other accessories
配件

Cryspack also provides fixture plate, stainless tweezers, 3M tapes and other accessories to better serve the market.

The metal fixture plate is designed for 2" or 4" vacuum release trays. Applying vacuum to the underside of a vacuum release tray will place it in release mode.

3M tape is intended for cleaning gel boxes and trays for reuse. 3M tape is formulated so that it is tackier than the gel and can easily remove debris or other contamination from the gel surface enabling reuse.

11

Add：The 4th floor, 30# Building, Juyuanzhou Plaza, Jinshan
Industry Zone, 618 Jinshan Road,Fuzhou City, Fujian Province.
350008, P. R. China
地址：福州市仓山区金山大道618号金山工业区桔园洲园30座四层
邮编：350008