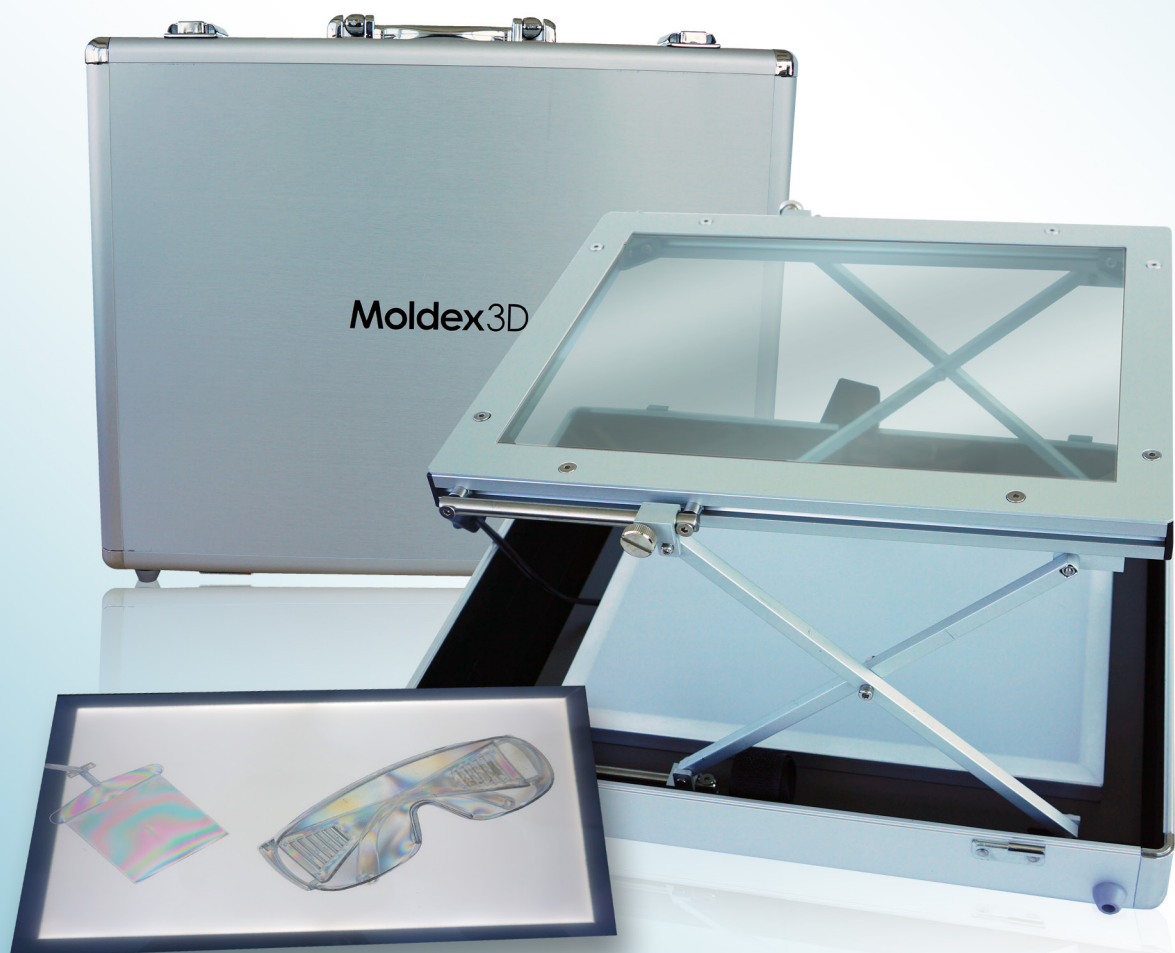


Moldex3D

Stress Viewer

View Stress, View Success

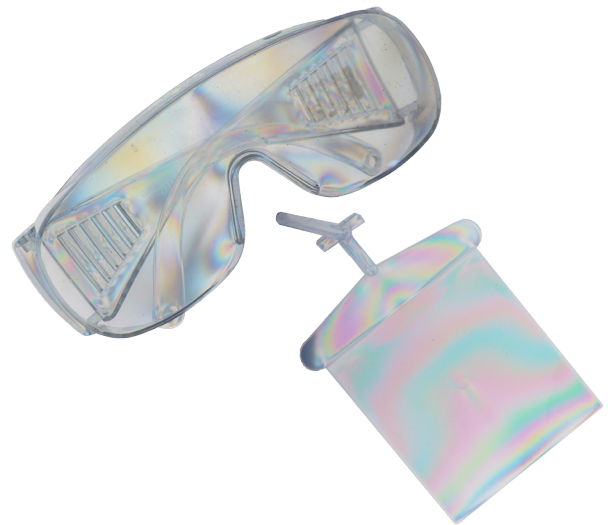


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Quality Viewer of Your Product

The residual stress of plastic part will influence the precision requirement for dimension and assembling. The internal residual stress will commonly accelerate the destruction of plastic part in the loading condition of environment stress, creep stress and fatigue stress. Besides, the residual stress could change the optical properties of photoelectric products and result in critical failure in secondary processing such as coating, plating process.

Now, with Moldex3D's latest exclusive patent "Stress Viewer", an non-destructive qualitative method which applies the principle of photoelastic response. When we place a sample of the transparent plastic between two polarized sheet. Using polarized light through this part with stress, the components of the light wave that are parallel and perpendicular to the direction of the stress propagate through the plastic at different speeds. We can observe colors correspond to different levels of speed retardation at that point, which in turn correspond to stress levels. From the color fringes patterns we can learn the areas with higher density of color fringelines higher stress inside.



The areas with higher density of color fringe lines have higher stress inside

It's the best tool to check product quality and enhance competitiveness

- A non-destructive qualitative method
- View residual stress clearly at a glance
- Applied on various transparent parts by backlight source
- Light and easy to carry

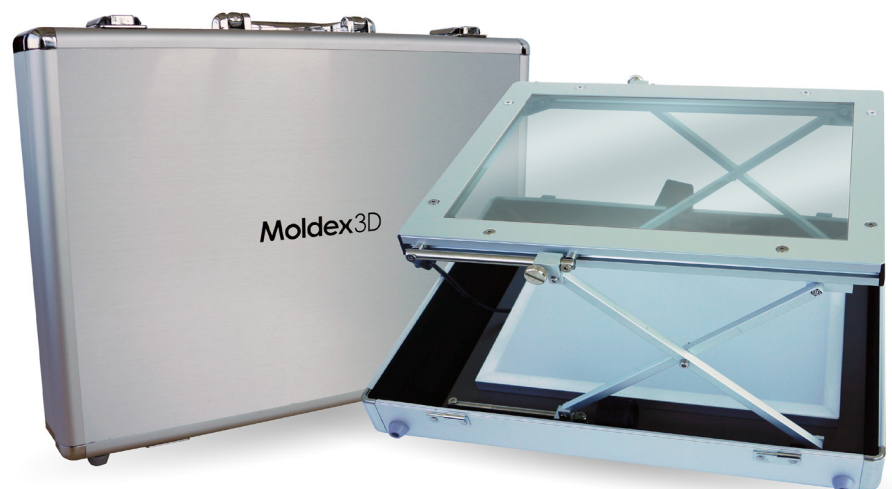


Specification

Voltage : 100 V ~ 240 V

Size : 420(L)x350(W)x75(H)mm

Weight : 4.5kg



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For more information, please visit www.moldex3d.com

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