
ASIA E-cots Pte Ltd

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ADTEC Step & Repeat Projection Exposure System (ADEX4000P/S)

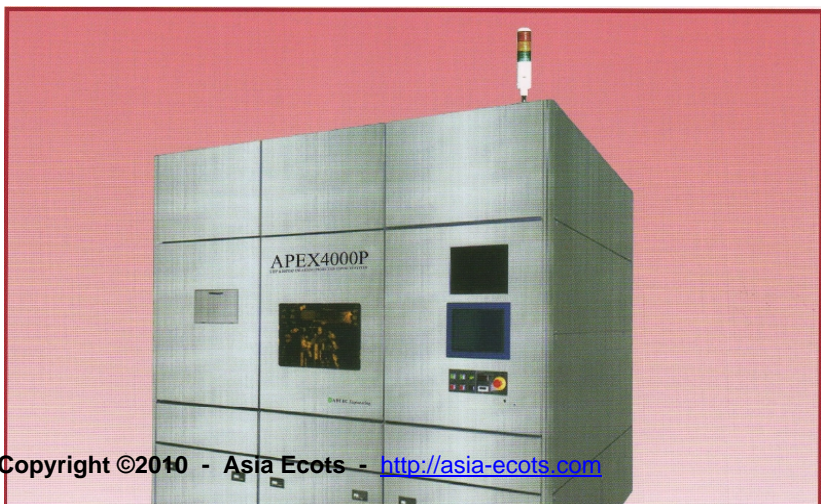
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ADTEC Step & Repeat Projection Exposure System (ADEX4000P/S)

This projection-type automatic exposure machine for printed circuit boards features a step and repeat system. A wide surface area can be covered by a single exposure due to the fact that the machine is equipped with a magnified-projection lens.

The TTL-system alignment ensures the high-accuracy positioning of mask mark on fiducial marks. The independent vertical and horizontal variable exposure magnification function offers improved overlay accuracy across the entire surface.



Features

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2x magnified projection system

- An exposure area of 200x250mm has been realized
- The mask size can be reduced to 6x6 inches (152x152mm) enabling the reduction of mask costs and mask storage space.

An optical system with high resolution projection

- The accuracy of lens processing, variations in lens installation method, and other factor were closely examined from the design stage to minimize the amount of distortion and to achieve a high and uniform resolution across the entire surface.

Long focus depth

- Focal depth of $\pm 100\mu\text{m}$ (ADEX4000P) and $\pm 75\mu\text{m}$ (ADEX4000S) enable the processing of warped and distorted substrate in addition to substrate with irregular surfaces

High accuracy alignment stage

- The high-accuracy linear motor equipped with a laser interferometer realize high resolution, high accuracy substrate positioning.

Reticle changer

- The reticle (mask) changer automatically changes the reticle.

[Vendor Information](#)

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