

**XPO**TM



X-Series™ **Transporting productivity to the next level.**

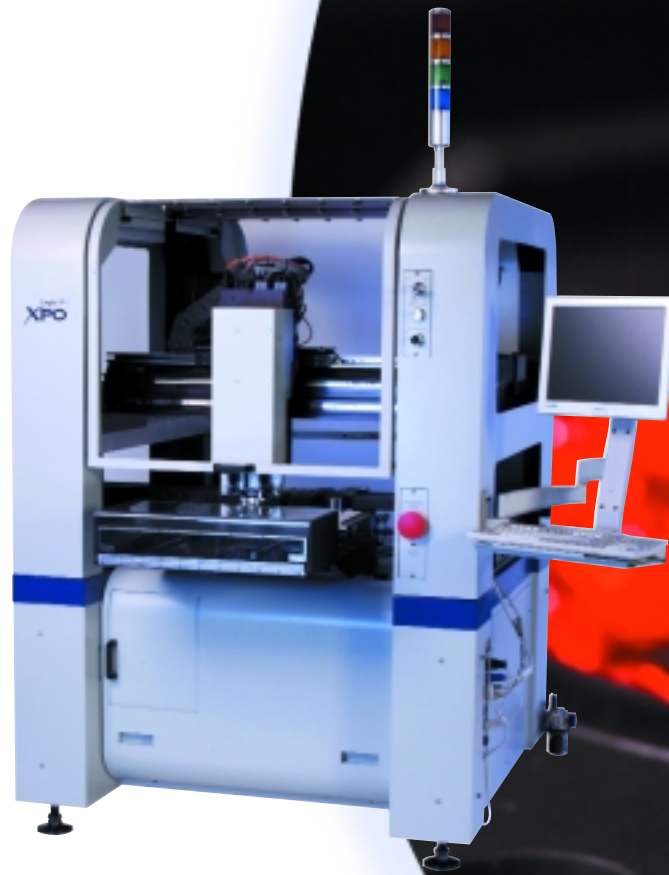
The proven X-Series instruments from Xpo combine application flexibility and superior linear motion speed with positional accuracy for higher, more reliable output. A versatile tooling plate provides complete process optimization while placement accuracy remains in-check through skillfully engineered features such as vision tools and multi-axis linear motion systems. X-Series instruments can be configured as stand-alone units, integrated with other instruments, or combined with third-party devices for complete process customization.

The X-Series is an established solution to the automation demands of the electronics, semiconductor, automotive and medical device industries. Now, the same high speed and accurate placement technology that has advanced the electronics packaging assembly world can be applied to a wide range of high-density, precision-oriented life science applications.

Xpo is the answer to automation challenges with three customizable X-Series models:

CT_x, CT₂ and CT_L.

Each instrument is designed to eliminate bottlenecks as a single-source system or part of a larger, integrated multi-unit system – delivering real solutions to today's automation needs.



X-Series achieves consistent positional accuracy.

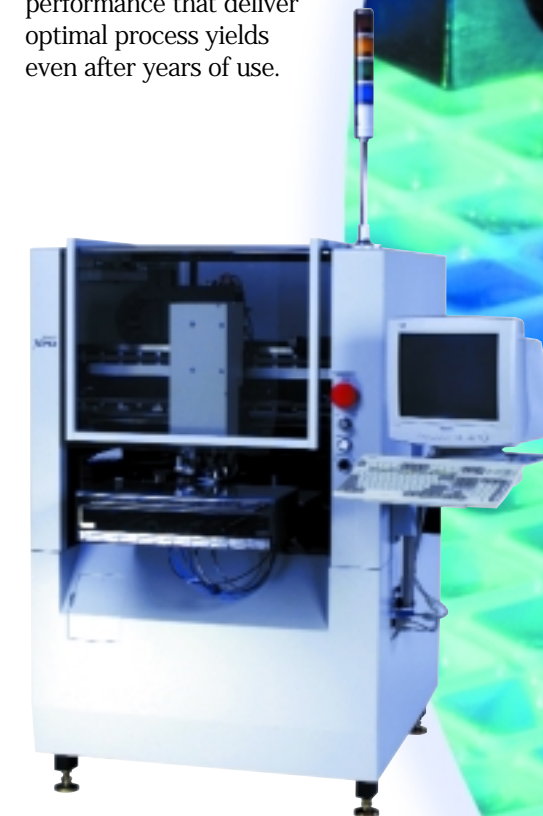
The X-Series uses linear motor technology and advanced vision tools to pinpoint placement locations with consistent positional accuracy of 25µm or better. The X-Series is also equipped with advanced features that reduce factors associated with wear-and-tear, so reliable yield continues over time and cost of operation is minimized. Its linear drive technology – ideal for continuous, ultra-smooth motion and true accuracy applications – eliminates wear problems caused by repetitive friction and vibration.

From multi-axis heads to a versatile tooling plate, the X-Series delivers flexibility.

The X-Series multi-axis system offers independent motion for expansive application performance using virtually any type of tray, boat, plate or slide. The CT_x and CT₂ models feature two heads for parallel or independent operation and a versatile tooling plate that delivers exceptional resistance to temperature variances, solvents, and abrasions as well as provides an adaptable means to accommodate custom or third party devices.

X-Series promotes valuable Cost of Ownership savings.

Automating your line with the X-Series will increase yields today and maintain strong performance levels over time. X-Series is engineered for maximum application flexibility and superior durability that ensures the speed, accuracy and performance that deliver optimal process yields even after years of use.



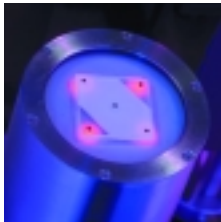
The X-Series is a throughput leader in demanding applications.

The X-Series is the key to efficient production, delivering both exactness and high pick-and-place speed up to 2200 uph. The instruments are user-friendly and processes can be fully customized to increase production by minimizing wasted motion and error.

“Now, the same precision technology trusted by time-sensitive automotive and electronics manufacturers is available for enhanced life science applications.”



*Preform and Heatsink Placement
Fiber Optic Lens/Lid Assembly
Proteomics Applications
384 and 1536 Well Plates
Substrate I/O Inspection
Assay Miniaturization
Substrate Ball Attach
Biochip Development
Lid/Clip Placement
MEMS Assembly
MCM Assembly
Colony Picking
Slide Handling
Gel Excisions
Flip Chip*



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productivity.**

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