ETEL

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Bidirectional repeatability
±0.25 µm and
±0.25 arcsec

Position accuracy
±1 µm

Dynamics
Acceleration 2.5 g
and speed 1.2 m/s

VULCANO2

Stacked system/platform

For semiconductor applications

VULCANO2 is our gantry stacked-axes architecture combining our renowned ironcore motors, mechanical bearing and high-end optical encoders to deliver great geometrical performance at high dynamics.

When compared to our stacked CHARON2 family, the VULCANO2 mainly comes with higher duty cycle and payload capabilities. Its compact footprint maximises cost efficiency without compromising throughput and duty cycles.

Whether standard or customised, VULCANO2 ensures consistent repeatability and accuracy, even during extended operation. This platform is ideal for applications that require precision, such as overlay metrology and flip-chip processes on large plates.

NANOMETER POSITION STABILITY
Ensures precise positioning accuracy over extended periods.

ISO 2 CLEAN ROOM COMPATIBILITY
Suitable for controlled environments with stringent cleanliness requirements.

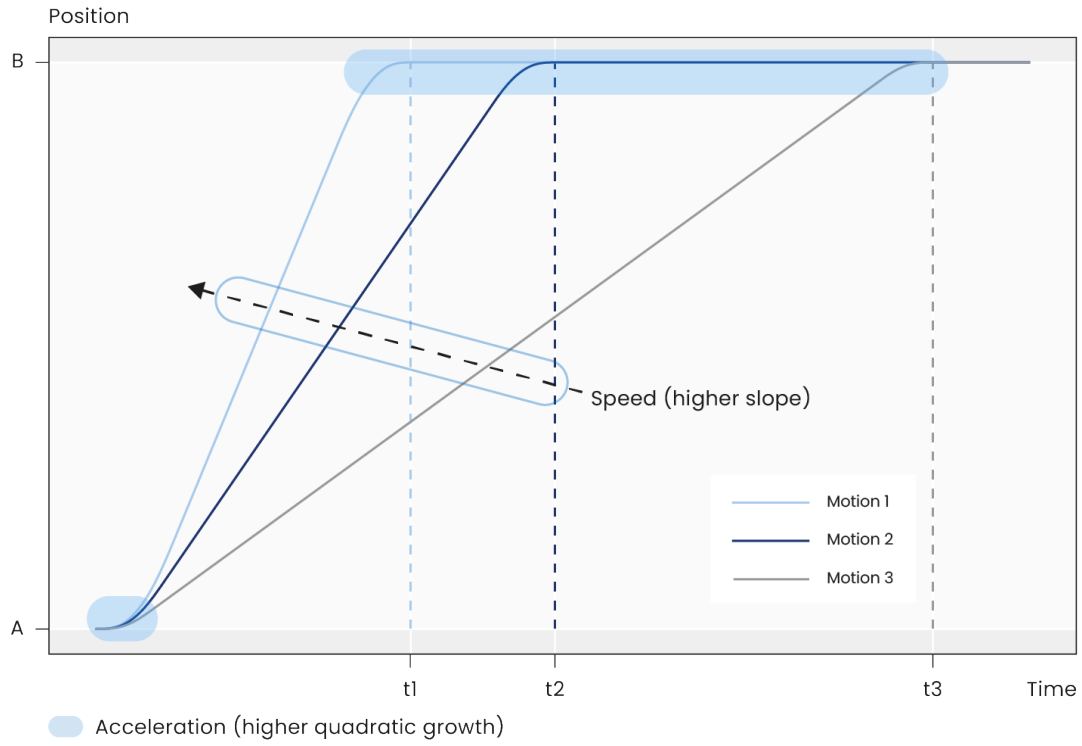
TIP-TILT CORRECTION WITH THE Z3TM+ COMBINED MODULE
Enables precise adjustment for optimal positioning.

BUILT-IN VACUUM SUPPLY AT CHUCK LEVEL
Facilitates efficient operation by ensuring proper material handling.

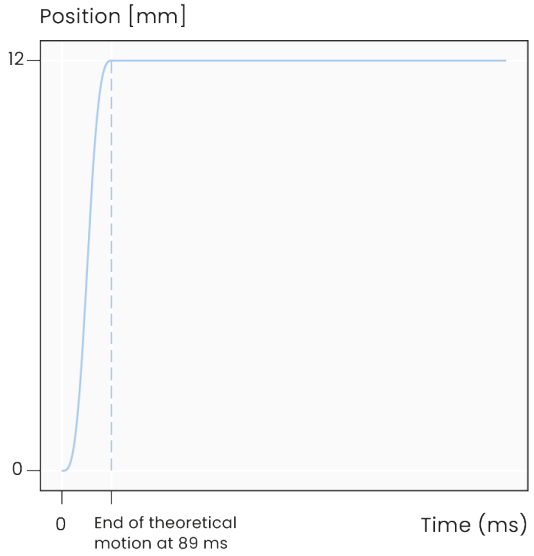
Integration example

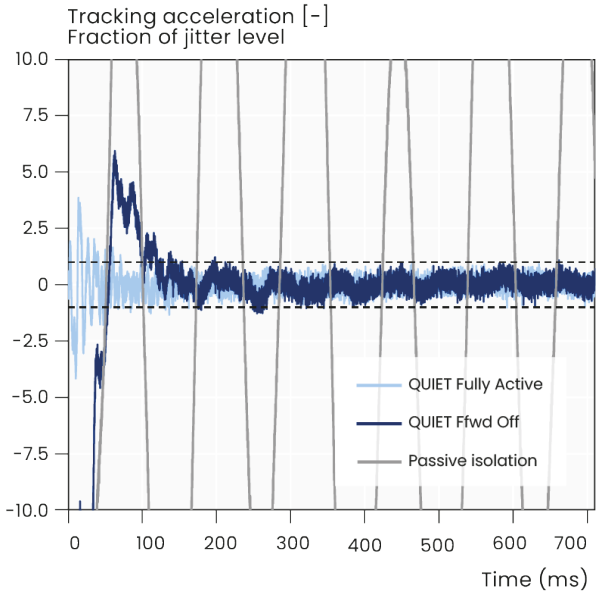
Standard strokes of 365 x 355 mm

Up to 80 kg payload



Toolpoint acceleration from end of theoretical motion





More info

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