NEW

TECNOTION®

direct drive in motion

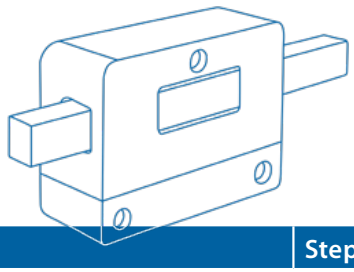
Unano series

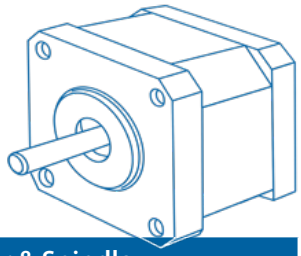
A smarter alternative to Piezo and Spindle motors

Unano motor real size

Higher speed. Smoother motion. Zero wear.

Our Unano ironless linear motor series offers excellent force density, smoother operation, and longer lifetime – with zero mechanical wear. With its direct drive design, you will eliminate the need for complex transmission components. Explore all the benefits of this unique build size.





	Unano ironless	Piezo	Stepper & Spindle
Cogging / backlash	✓ None	✓ None	× Present
Wear & tear	✓ No wear, long term reliable	× Yes, limited lifetime	× Yes
Precision	✓ Sub-micron capable	✓ Highly depedent per type	× Limited
Size	✓ Ultra compact and flat	✓ Compact	✓ Square build size
Max. stroke length	✓ No limit	× Millimeters	× Centimeters
Speed	✓ Only limited by max. force	× Often limited to 100mm/s	× High speeds cost accuracy

Direct drive motors

- Direct drive for ultimate control and zero backlash
- Ironless design for smooth, cogging-free operation
- No wear parts for long-term reliability
- Quiet and clean
- Designed to outperform piezo and spindel motors
- Ultra flat build size

www.tecnotion.com/unano

version 1.0

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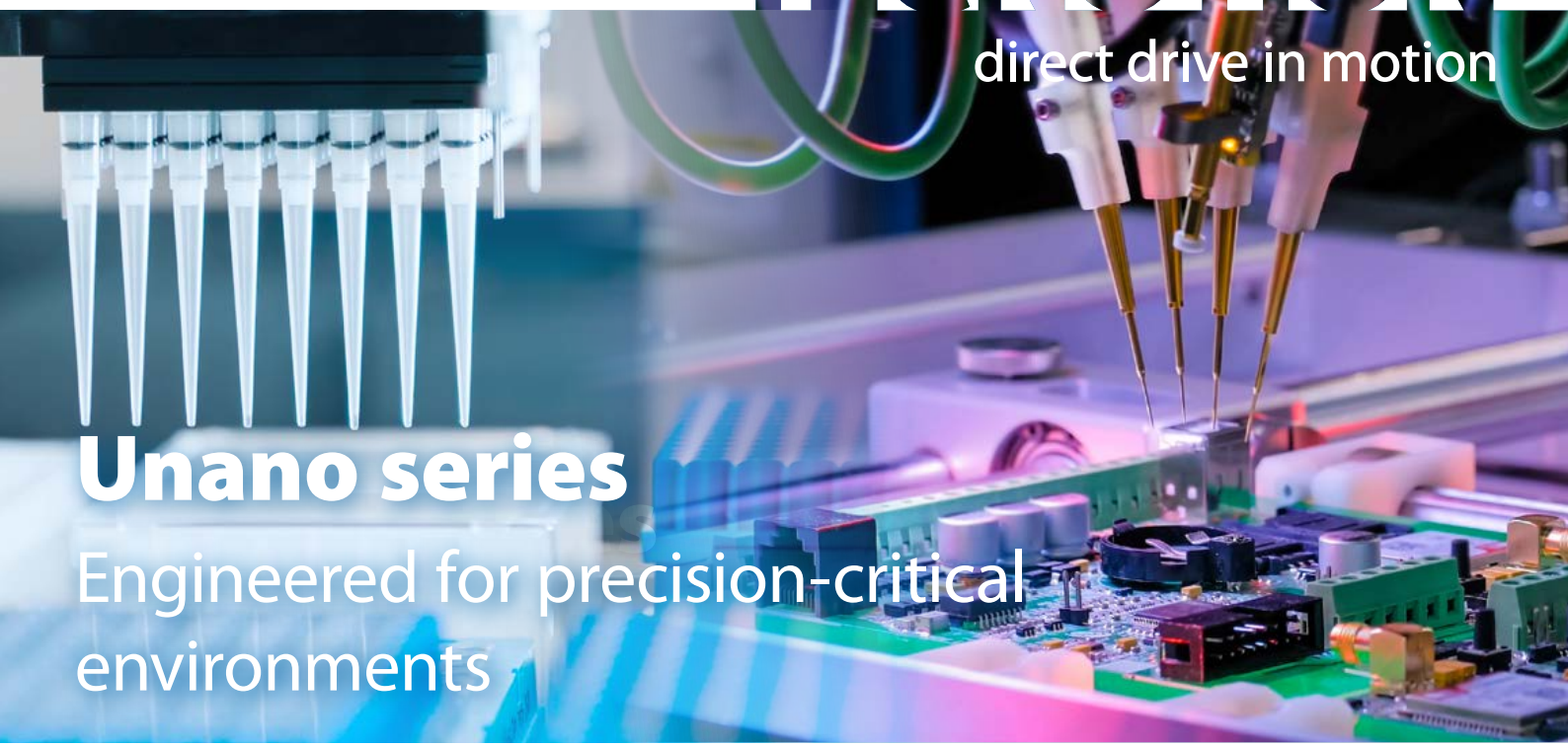

Unano series

Engineered for precision-critical environments

The Unano series is built with integration in mind. Whether you are designing a new medical device, enhancing test equipment, or optimizing automation stages, this motor fits right in — bringing precision and performance to your application in a small package.

Micro stages
Where even the smallest vibrations matter

Pharma & Lab automation
Clean, quiet, and consistent

Multi-carrier stages
Fitting seamlessly into smart motion setups

Medical pipetting
Where reliability is non-negotiable

- Zero contamination
- Quiet operation
- Combination of accuracy and speed
- Possibility for more motors on one track
- Ability to customize to achieve required build size

Flying Probe Testers
For high-speed, high-accuracy movement

- High force density to get the most force out of every available millimeter
- Low settling times
- Yokes usable in set-ups between 7 and 12.5 mm

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