GYNEMED

TrakJector™

Gynemed - Hamilton Thorne

Micromanipulator

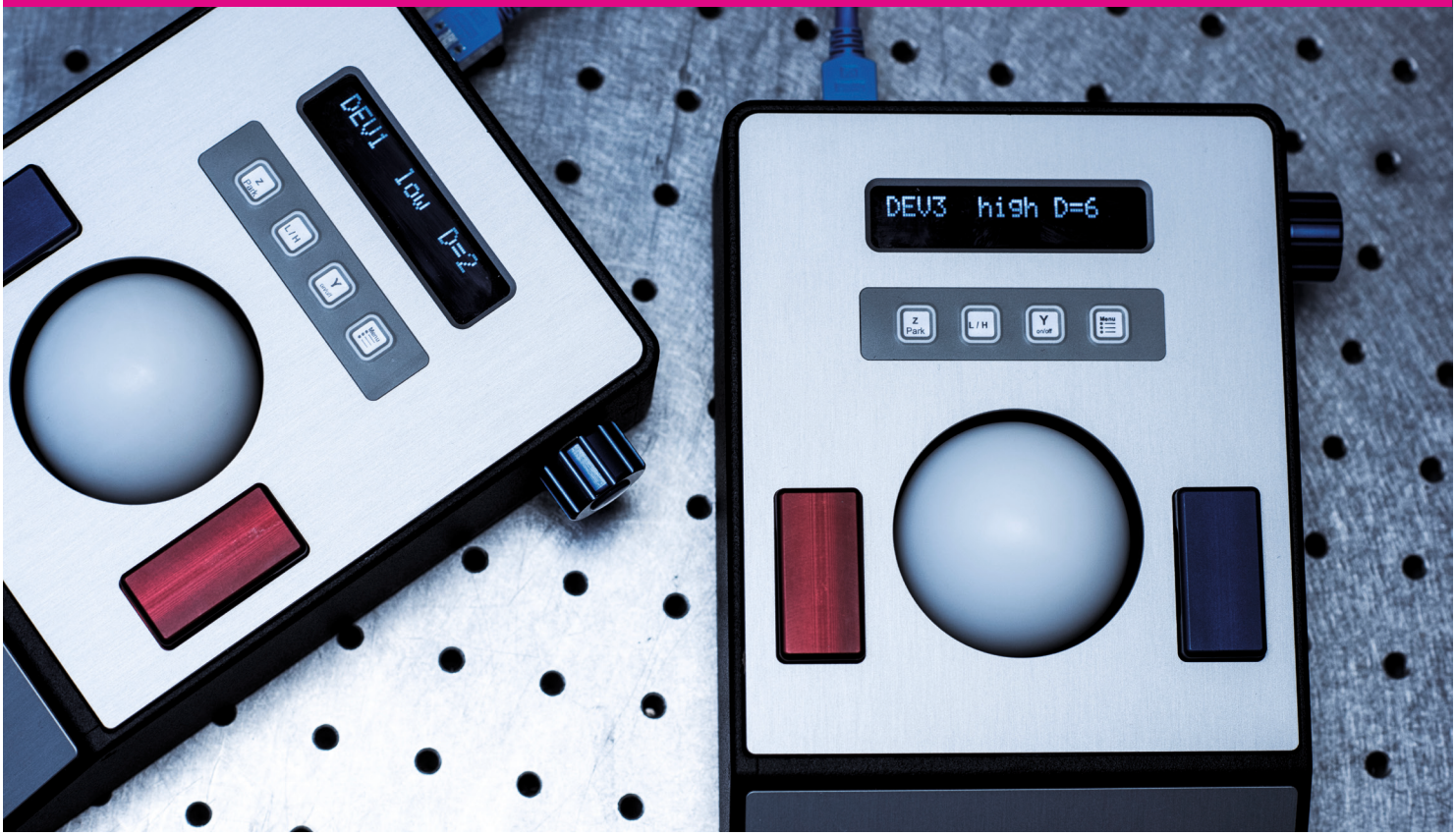
The TrakJector™, a newly developed and "Made in Germany" Micromanipulator from Gynemed/Hamilton Thorne, offers a unique control system for fast and absolute accurate ICSI and biopsy procedures.

- The AIO^{trackball} (All-in-one Trackball) in conjunction with the MIU^{mot}Oil (Motorized Oil Injection Unit) offers true one-handed operation by controlling both the injection holding pressure and the motorized movement using the trackball and two buttons. Hands stay relaxed on the GEL^{pillow} during extended operating sessions.

- Available in two injector versions:
  our MIU^{mot} Oil allows exact and adjustable dosing of pressure during injection and offers a long-term bubble free workflow with easy refill oil-reservoir. A hands off set up is key for a faster and more reliable workflow. If manual injection units are preferred our newly designed MIU^{man}Oil (Manual Oil Injection Unit) offers outstanding performance with an easy manual refill system.
  Our MIU^{man}Air (Manual Air Injection Unit) will be available soon.

- The TrakJector™ Micromanipulators offer low-maintenance operation, an outstanding performance in smooth fine control, precision (tolerance ≤1 µm), speed and mechanical stability. Different velocity settings allow balancing between operators and different magnifications.
  The manipulator offers coarse adjustments in all relevant directions.

- The ability to disengage movement in the y-axis coupled with the superb accuracy allows an injection movement of proper parallelism. Due to its tidy design the manipulators are easy to clean.



- The TrakJector™ Microinjection-holder provides a two-step adjustment for the injection and holding angles. The holder offers both coarse and fine adjustments using an easy rotational control.

- The swing out mechanism permits easy access to micropipettes and together with the automatic HOME function, a fast and reliable way to exchange the micropipettes and bringing them back to the original working position.

Technical specifications of TrakJector™	
Range of all motorized axisRange of all motorized axis	24 mm
Resolution	> than 100 nm in one direction
Repeatability	< than 1 µm
Velocity	up to 16 mm/sec adjustable in 30 steps
Weight of manipulator Units	4,8 kg
Power	100 - 240 V

- The Gynemed/Hamilton Thorne TrakJector™ fits on all common inverted microscopes from Leica, Olympus, Nikon and Zeiss.

Designed and distributed by:

Gynemed Medizinprodukte
GmbH & Co. KG
Lübecker Straße 9
23738 Lensahn
Germany

Tel.: +49 (0) 4363 90 32 90
Fax: +49 (0) 4363 90 32 9-19

info@gynemed.de
www.gynemed.de

Hamilton Thorne, Inc.
100 Cummings Center
Suite 465E
Beverly, MA 01915
USA

Tel.: +1 978-921-2050
Tel.: +1 800-323-0503
Fax: +1 978-921-0250

info@hamiltonthorne.com
www.hamiltonthorne.com

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