

# Tescan Nanomanipulator

## Comfort

Tescan Nanomanipulator control is implemented into G4 UI directly into Stage Control module and supports mouse gesture control.

## Simplification

Based on our experience and application feedback from the field tip holder was modified for easier mounting/dismounting during needle exchange procedure.

## User-friendliness

With regards to users at all skill levels we have introduced **Align tip wizard** which helps with position setting after needle exchange.

## Technical specifications

Low vibration operation

Closed loop (resolution 5 nm) linear piezo movement

Magnetic and Non-magnetic versions available

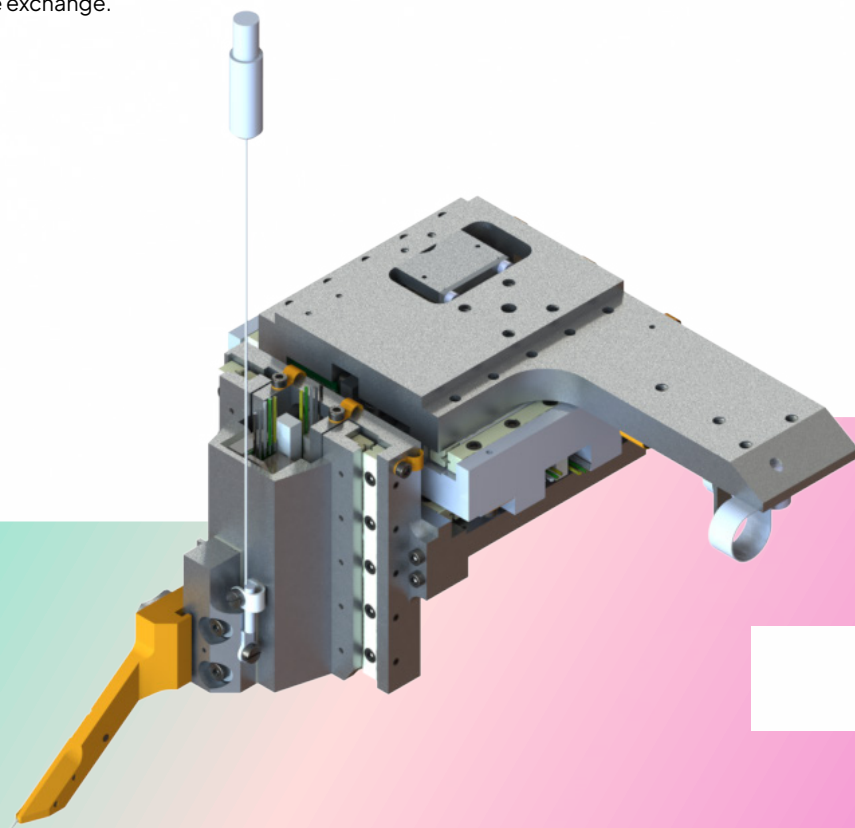
Maximum velocity 3 mm/s

Minimum velocity: 100 nm/s

Travel range (X, Y, Z) 11, 6, 12 mm – might be mechanically restricted by other SEM components

Omnidirectional repeatability < 100 nm

Insertion repeatability < 5  $\mu$ m



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