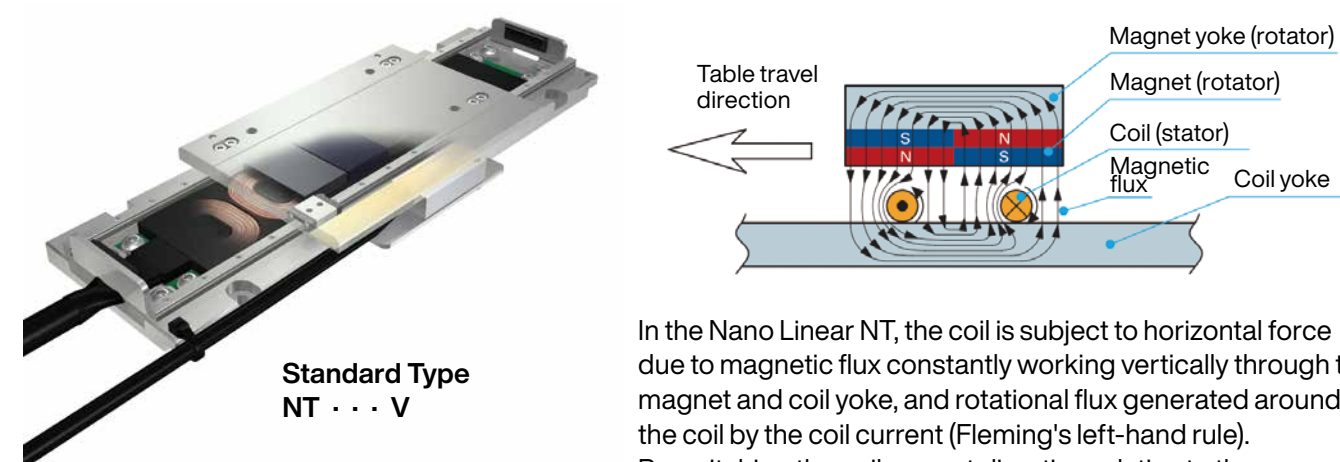


Linear Motor Table

Nano Linear NT Series

Ultra-Compact, State-of-the-Art Linear Motor Table!

How It Works



Standard Type
NT . . . V

In the Nano Linear NT, the coil is subject to horizontal force due to magnetic flux constantly working vertically through the magnet and coil yoke, and rotational flux generated around the coil by the coil current (Fleming's left-hand rule). By switching the coil current direction relative to the magnetic flux direction, continuous thrust force in a single direction can be obtained, and linear motion of the rotator is maintained.

Features

1 Ultra-Low Profile

Since an IKO miniature linear motion rolling guide is used for the moving table guidance, the compact size of this part results in an ultra-low profile, unique to IKO.

2 Large Thrust Force

A high-performance neodymium magnet is used, providing high-speed and highly responsive positioning.

3 High Level of Cleanliness

By using a driving method without moving cables and minimal mechanical contact parts, less dust is generated which results in a high level of cleanliness.

4 Ultra-Compact Design

A relentless emphasis on compact design has resulted in sectional height of 14 mm for NT55V and 16 mm for NT80V.

5 Vertical Mounting

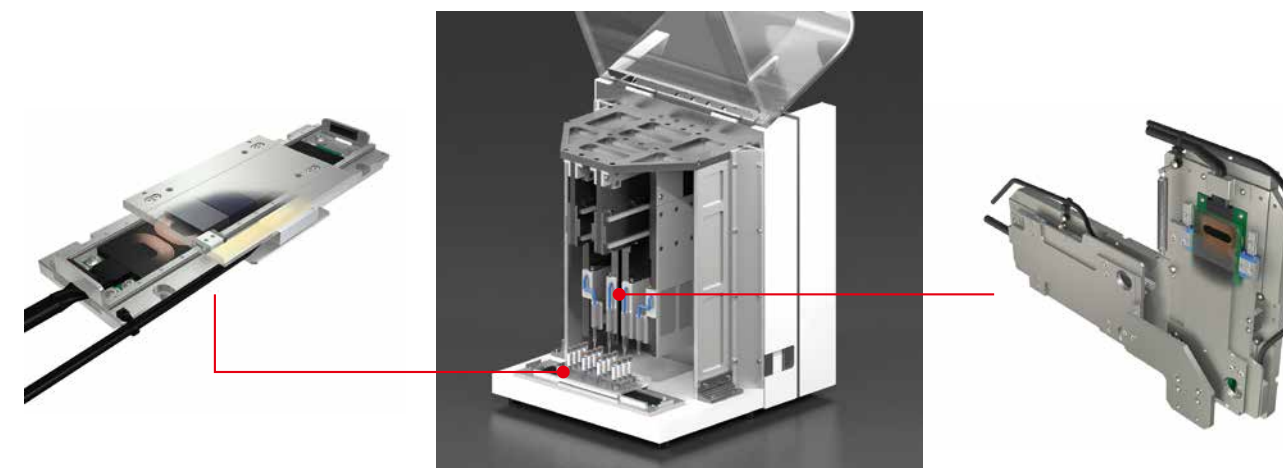
The integration of an individual spring system balance mechanism enables a vertical mounting structure with table fall prevention.

6 Compatible Amplifiers

Servo amplifier A6 family: MADL****
(Contact IKO for combination details)

Example of Use (Medical Equipment: Reagent Application Machine)

- Products Used**
- Standard Type NT . . . V
 - High Thrust Pick & Place Unit NT90XZH



Product Introduction



Standard Type
NT . . . V

Optimized component parts result in a Linear Motor Table which offers superb cost-performance while remaining ultra-compact.

High Accuracy Type
NT . . . H

With positioning accuracy and running straightness within 1 μ m, smooth, high-accuracy operation is achieved at a level comparable to air static pressure bearings.

High Thrust Pick & Place Unit
NT90XZH

By using a link mechanism to drive the moving table, tact time is reduced with a balance of higher thrust force and lighter moving parts.

Sales area

- Japan ● China

Language

- Japanese ● English ● Chinese

For more information

URL : https://www.me-iko.com/mecha-tool/product/en/mecha_NT-V_en.php



● Contact: NIPPON THOMPSON CO., LTD. <https://www.ikont.co.jp/eg/>

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