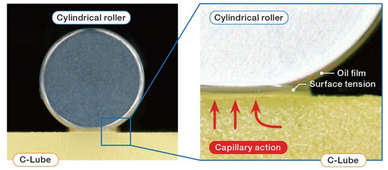
IKO TECHNOLOGY

High Quality, High Performance Products Manufactured by IKO
IKO Unique and Innovative Technology:

C-LUBE TECHNOLOGY

"C-Lube", IKO's innovative and unique lubrication system utilizes the capillary action of the lubricant to significantly reduce the amount of lubricant required and provide effective maintenance-free performance.
All IKO C-Lube products have minimal impact on the environment and provide superior reliability.

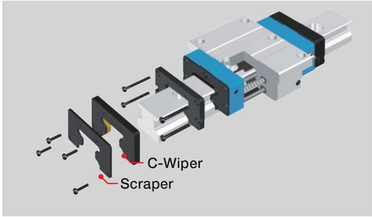


INTERCHANGEABILITY

IKO's unique high precision machining technology and strict dimensional management of slide units and track rails make most linear guides available as interchangeable units. Mixing and matching rails and slide units allow for easy installation and maintenance while maintaining rigidity and accuracy.

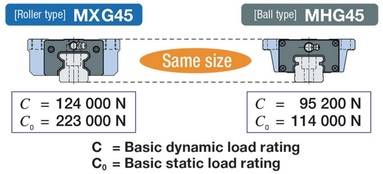
CONTAMINATION PROTECTION

IKO offers many options for protection from contamination such as wipers, metallic scrapers, underseals and double seals.



ROLLER TECHNOLOGY

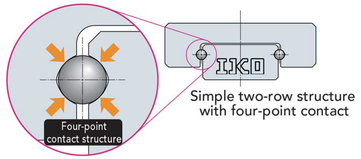
In comparison with ball-type bearings, rollers experience minimal elastic deformation when under load. IKO linear rolling guides take advantage of these characteristics and combine smooth operation with high reliability, high rigidity, and high accuracy.



C = Basic dynamic load rating
C_0 = Basic static load rating

COMPACT DESIGN

Simple structure and proprietary miniature technology result in assemblies with the smallest footprint. Even our extremely small products feature IKO's signature high quality and high performance.



MINIATURE LINEAR WAYS

IKO Micro linear way combines superior rigidity and accuracy in a miniature package. A wide variety of track rail widths (from as small as 1 mm) are available for even the most demanding micro positioning mechanisms.

IKO
Innovation, Know-how & Originality

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Oil Minimum
IKO Gentle to The Earth

BRONZE | Top 35%
ecovadis
Sustainability Rating
APR 2026

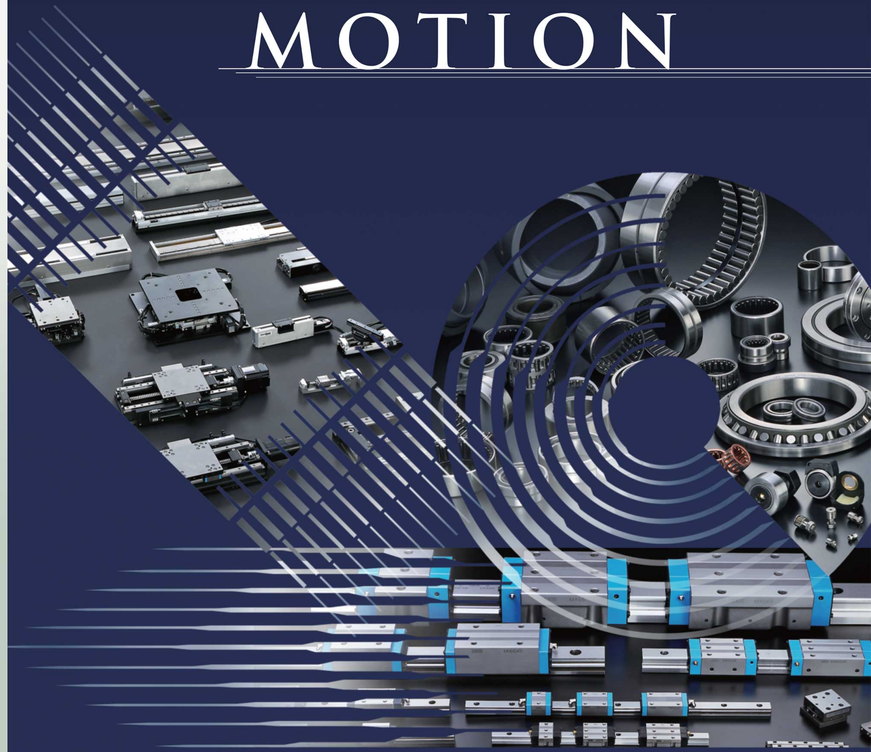
Nippon Thompson Co., Ltd. is proud to be recognized as a leader in sustainability and environmental protection. We are committed to developing products that make our customers' machinery and equipment more reliable, thereby protecting the environment from unnecessary waste.
Innovative IKO products like "C-Lube" and our ISO14001 certification can be seen as prime examples of our commitment to minimize our impact on the global environment.

IKO is proud to announce that it received a bronze rating from EcoVadis, the leading platform for environmental, social, and ethical performance ratings for global supply chains. This rating places IKO in the top 35% of global companies within the same industry and recognizes their positive environmental, social, and governance (ESG) initiatives across company operations.

IKO Clean Lubrication
C-Lube
Friendly to Maintenance
Gentle to the Earth

IKO

EXPERTS IN MOTION

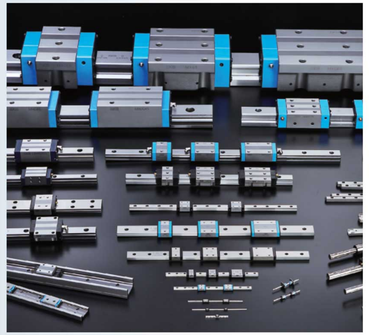


IKO INTERNATIONAL, INC.

LINEAR MOTION ROLLING GUIDE SERIES

Linear Motion Series: A wide variety of models and sizes

- Ball and roller type endless linear motion guides range from size 1 (1 mm) to size 100 (100 mm), and limited linear motion crossed roller ways from size 1 (1 mm) to size 24 (24 mm). Other models and sizes of limited linear motion guides and limited linear + rotary motion guides are also available.
- Standard or high rigidity and high precision, anti-creep roller cage, stainless steel, and other options are available for Cross Roller Ways for use within semiconductors, electronics, medical, biomedical, robotics, automation, industrial, machine tool, automotive, and many other applications.
- Optional integrated C-Lube lubrication system, which provides long-term, maintenance-free operation, is available for endless linear motion guides.



ML / LWL
Miniature Type C-Lube Linear Way

MX / LRX
C-Lube Linear Roller Way

MAG / LSAG
C-Lube Linear Ball Spline

ME / LWE MH / LWH
C-Lube Linear Way

MV
Compact C-Lube Linear Way with High Load Capacity

MUL / LWU
C-Lube Linear Way with U-Shaped Track Rail

CRW(G) / CRWU(G)
Crossed Roller Way

CRWU···R(S)
Crossed Roller Way Unit

CRWM
Module Type Crossed Roller Way

BWU
High Rigidity Precision Ball Slide

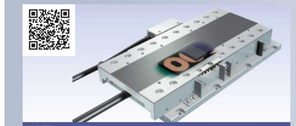
BSP / BSPG
Precision Linear Slide

STSI
Miniature Stroke Rotary Bushing

PRECISION POSITIONING TABLE SERIES

Precision Positioning Series: A wide variety of linear, rotary, and multi-axis actuators

- Options for several different driving mechanisms include ball screw, linear motor and high-resolution encoder, belt, or worm gear, which are combined with IKO linear and/or rotary bearings to create actuators that can accommodate an extensive range of solutions.
- The noteworthy NT Nano Series offers ultra-compact construction with an integrated direct drive linear motor and a high-resolution linear encoder for exceptional dynamics and positioning performance.
- Cleanroom compatible actuators are available standard as are many options and accessories such as shape and/or length of moving table, number of moving tables, integrated C-Lube linear guides, servo or stepper motors, couplings, bellows or cover protection, motor folding back kit (in-parallel), sensors, and more.

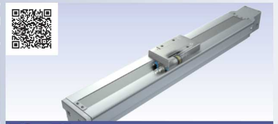


NT
Ultra-compact Linear Motor Table

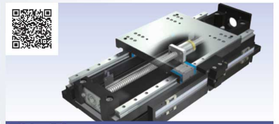
TE
Low Profile Positioning Table

TU
Standard Precision Positioning Table

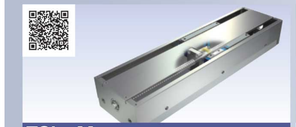
TM
Miniature Table



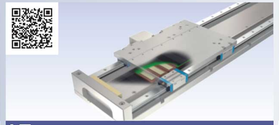
TC···EB
Cleanroom Precision Positioning Table



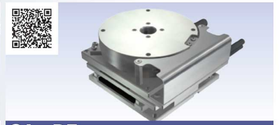
TX···M
High Rigidity Precision Positioning Table



TSL···M
Long Stroke Precision Positioning Table



LT
Long Stroke Linear Motor Table



SA···DE
Linear Motor Rotary Table

CTLH
High Rigidity X-Y Stage

TZ
Precision Elevating Table

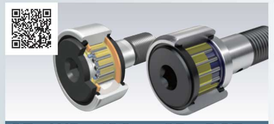
Ball Screws
High-Performance Precision Ball Screw

ROTARY BEARING SERIES

Rotary motion series: A wide variety of types and sizes

- Highly rigid, high-load capacity Crossed Roller Bearings accept simultaneous loading from any direction and can be easily mounted with integrated mounting flanges, making them one of the lowest-cost precision joints.
- Compact, lightweight shell-type needle roller bearing options are available that reduce overall machine size, and larger, heavier-duty machined-type needle roller and roller bearing options for higher load capacity and rigidity.
- Other types of bearings include various cam followers, stud-less roller followers, spherical plain bushings, rod ends, thrust bearings and washers, needle roller cages, inner and outer rings, combined type needle roller bearings, and several C-lube maintenance-free products.

CRBF
Crossed Roller Bearings with Mounting Holes

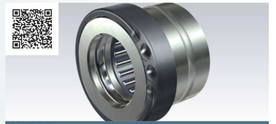


CF···WB···/SG CR···BSE
C-Lube Cam Follower

NTB
Thrust Needle Roller Bearings

CRB / CRBH / CRBS / CRBT
Cross Roller Bearing

CF / CFKR
Standard Cam Follower

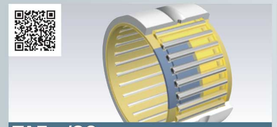


NAX
Combined Type Needle Roller Bearings

NART
Non-separable Roller Followers

KT
Needle Roller Cages

POS / PHS
Rod End / Pilloball



TAF···/SG
C-Lube Bearings

TA / BR / RNA
Machined and Shell-type Needle Bearing

GE / SBB
Spherical Bushing