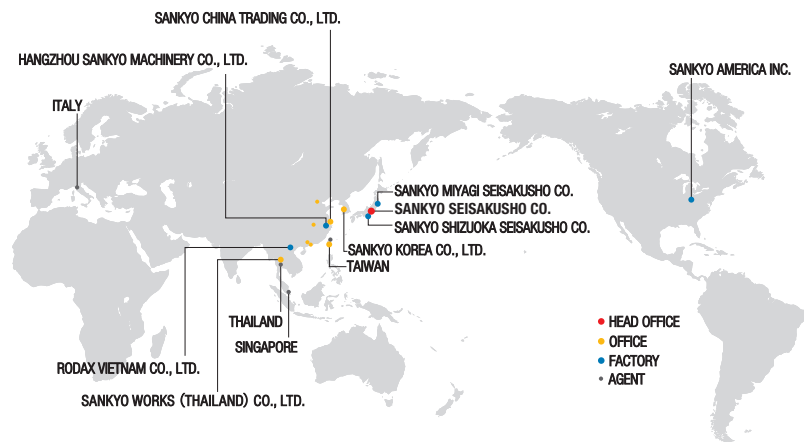




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GUIDE BOOK

Contact us

Mon-Fri AM8:30-12:00 PM13:00-17:30 UTC + 09:00 (JST) (Except public holidays and company holidays)



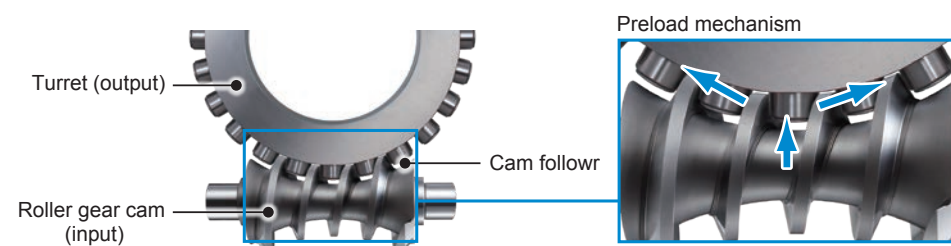
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The ZERO-Backlash Positioner **RollerDrive**®

Exclusive zero-backlash construction



Shorter positioning time

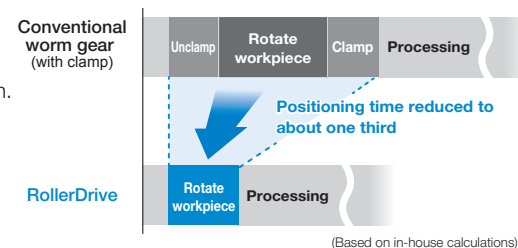
Time comparison for 90° positioning

Conventional worm gear

- ▶ Clamping using hydraulic pressure or air pressure is required to suppress backlash.

RollerDrive

- ▶ Zero backlash and high rigidity eliminate the need for clamping. Compared to the worm gear type, positioning time is reduced to about one third.



Extended Accuracy

Compared against a worm gear for over 5 million indexes.

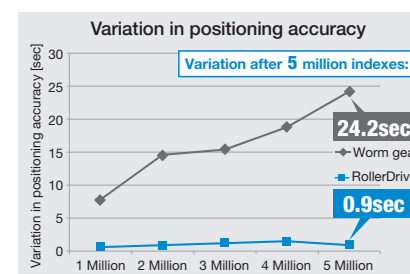
Test conditions

- Table size: Output table diameter: 170 mm
- Load inertia: 0.5 kgm²
- Index angle: 36° (unidirectional)
- Indexing time: 0.35sec

Results after 5 million indexes:

Item	Worm gear	RollerDrive
Variation in positioning accuracy	24.2sec	0.9sec
Backlash (measured at R60)	18 μm (15 μm → 33 μm)	-

(Based on internal testing data.)



Product Guide & Application

MR Series

Ultra-compact model



RGV Series

Standard model



RGR Series

Large-diameter model



SP Series

Welding Positioner



SPT Series

Welding Positioner
(Cantilever-mounted 2-axis type)



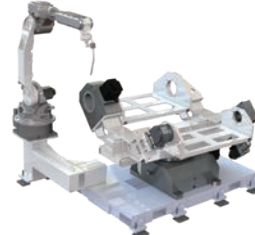
Pick & Place



Welding Positioner



Multi-axis Welding Positioner



Indexing Drives / Pick & Place Units

Sandex

Product Guide & Application

AD Series

Drive unit integrated model



ED Series

Eco model



D Series

Shaft model



MI Series

Small model



FH Series

Rotary Pick & Place Unit



GY Series

Linear Pick & Place Unit



Overload Protection Devices

TORQUE LIMITERS

Product Guide & Application

TF Series

Flange model



TC Series

Coupling model



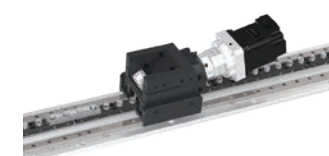
Long Stroke Linear Drive Unit

LinerUnit

Product Guide & Application

CS Series

New-Technology Linear Unit



Robot conveyance



Suspended robot conveyance



Gantry Loader



Pick & Place

