

Product Directory



Subsidiary of HIWIN Technologies Corp., Taichung, Taiwan.

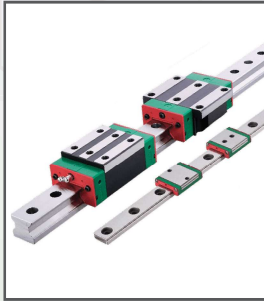
Mechatronic Solutions
Mechanical Solutions
Industrial Robots

MECHANICAL SOLUTIONS

LINEAR

HIWIN'S MECHANICAL MOTION COMPONENTS ARE KNOWN AROUND THE WORLD FOR THEIR QUALITY.

COMPONENTS



Linear Guideways & Kits

◀ **Linear Guideways & Kits**
Complete line of series, sizes and dust protection options to choose from.



Ballsplines

◀ **Ballsplines**
An upgrade from bushings, we offer four different types for application versatility and improved rigidity.



Ballscrews & Supports

◀ **Ballscrews**
Choose from high precision ground and rolled ballscrews with a variety of ballnut styles



Ballscrews & Supports

◀ **Ballscrew Supports**
Various ballscrew support units to satisfy the mounting or loading requirements of any application.

BALLSCREW STAGES



SDXK

◀ **SDXK Series**
Assembled in the USA using parts imported from Taiwan and elsewhere. Offers long strokes at a lower price point.



KK

◀ **KK & SK Series** ▶
Combine our linear guideways and ballscrews into a plug and play stage. SK Series utilizes our Synchmotion quiet technology.



SK



Multi-Axis Ballscrew Stage

◀ **Multi-Axis Ballscrew Stage**
Choose from one of our standard multi-axis configurations or let us co-design your custom multi-axis system.



Ballscrew Stage Cover

◀ **Ballscrew Stage Accessories**
Covers for ballscrew stages are offered for contamination protection along with bellows, motor adaptor flanges, etc.

COMPONENTS

Datorker® Strain Wave Gearing System

A proven mechanical solution to gear reduction, we offer multiple sizes of four types.



WTIPH Series

Crossed Roller Bearings

Choose from inner and/or outer rotation in a variety of sizes.



CRBE Series

ASSOCIATED PRODUCTS

Grease

Our different types of grease are available in different volumes. HIWIN knows long-lasting service is dependent on lubricating with the right grease for your environment.



Grease

Grease Gun

Offered in two different sizes, our grease guns come equipped with one normal grease nozzle but can be equipped with various nozzles offered in our kit.



Grease Guns

AC Servo Motors

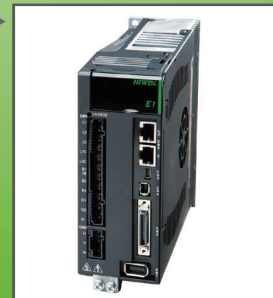
Complete your ballscrew stage with a 23-bit servo using an incremental or absolute encoder.



AC Servo Motor

AC Servo Drives

Our drives are suitable for AC Servo rotary and linear axes. These products include an easy to use interface with improved servo algorithms for easy tuning.



AC Servo Drive

MECHATRONIC SOLUTIONS

LINEAR

DESIGN ENGINEERS CAN SAVE DESIGN AND ASSEMBLY TIME BY SPEC'ING HIWIN MECHATRONIC SYSTEMS, MADE WITH OUR OWN COMPONENTS.

COMPONENTS



LMFA Series

◀ Iron Core Linear Motor Series

High force density; High acceleration; Ideal for point to point motion.



LMC Series

◀ Ironless Linear Motor Family

Lightweight; No cogging; Low velocity ripple. Ideal for scanning applications.

MODULE



LMSSA

◀ LMSSA

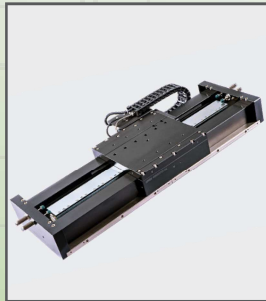
High precision linear motor stage. Available with ironcore or ironless motor options. Peak force of 1535N.



LMXK

◀ LMXK

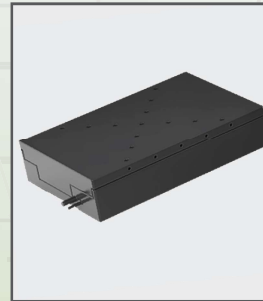
Ironcore linear stage for long strokes up to 3700mm. Peak force of 868N.



Linear Motor Air Bearing Stage

◀ LMABS

Single-axis air bearing nano accuracy positioning stage for smooth motion and high geometric repeatability.



Nanometer Precision Stage

◀ Nano Precision Stage

High rigidity cross roller bearing stage with a linear motor and ballscrew option.

MULTI-AXIS



Gantry

◀ Gantry, XYZ ▶

Save design and installation time with ballscrew and linear motor stages in a multitude of combinations.



XYZ



XY Theta

PLATFORM



Diamond Air Bearing System

◀ Diamond Air Bearing Bearing System

Counter-vibration for the smoothest motion on granite base technology.

COMPONENTS

Torque Motor

Build rotating elements with zero wear and higher acceleration than worm gears.



TMRW Series

AC Servo Rotary Motor

400 W - 2 KW;
Single and Three Phase input voltage options.



EM1 200W

Direct Drive Rotary Table

Internal or external rotation and hollow shaft. Standard, low or ultra-low profile.



DMS Series

Single-Axis Torque Motor Rotary Table

High speed and rigidity. High positioning accuracy



RCV (250) Series

MODULE

Multi-Axis Torque Motor Rotary Table

Trunnion and tilting rotary tables for high speed, rigidity and position accuracy.



RAB (500) Series

Drives

One-stop shop for your motion system with guaranteed compatibility.



Servo Drive E1

Excellent Smart Cube

For the most options in encoder and PTE, include the Excellent Smart Cube



Excellent Smart Cube

ASSOCIATED PRODUCTS

Multi-Axis Motion Controller

Complete your motion system with HIWIN Controllers.



HIMC Controller

Positioning Measurement System

Accurately measure linear position with our integrated compact easy to install design



T Type

INDUSTRIAL ROBOTICS

HIWIN CAN PROVIDE ROBOTS, GRIPPERS, CONTROLLERS AND VISION TECHNOLOGY. FREE SOFTWARE. MADE WITH HIWIN COMPONENTS FOR HIGH RELIABILITY.

ARTICULATED



RA605 Articulated

◀ RA605 Articulated Robot

6-axis robot with absolute encoder. Nominal load 5kg. Maximum reach of 710mm - 909mm. IP65 Protection Rating.



RT605 Articulated

◀ RT605 Articulated Robot

Cost-effective 6-axis robot. Nominal load 5kg. Maximum reach of 710 - 909mm. IP32 Protection Rating.

SCARA



RS405 SCARA

◀ RS405 SCARA Robot

High Speed. Nominal load of 2kg or 5kg. Reach radius of 400mm or 500mm.



RS410 SCARA

◀ RS410 SCARA Robot

Highly adaptable to a variety of applications. Nominal load of 5kg or 10kg. Reach radius of 600mm, 700mm or 800mm.

END EFFECTORS



XEG-32 Electric Gripper

◀ X Series Electric Gripper ▶

Ready for real world requirements with simple assembly. Requires Controller (included). Compatible with HIWIN and other leading robots.



XEG-32-PR Electric Gripper

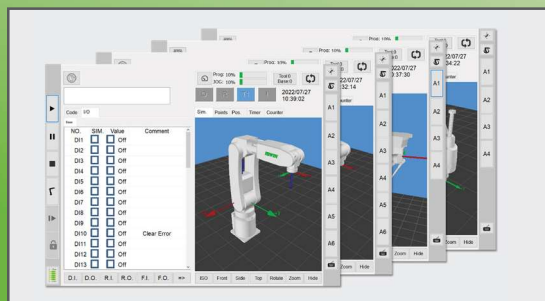


XEG End Effector Controller

◀ Electric Controller

Stepper controller based brain-box and communication hub for X gripper series.

ASSOCIATED PRODUCTS



HRSS HIWIN Robot Simulation Software

◀ Software

Free software downloads and updates with purchase. Teach pendant includes forward, back and left/right jog directions based on the operator position relative to the robot, and an emergency stop, with 3 position switch protects users and equipment while teaching.

**RA610 ▶
Articulated
Robot**

Slender 6-axis robot with absolute encoder. Nominal load 7 - 12kg. Maximum reach of 1355mm - 1869mm.



RA610 Articulated

**RA620 Articulated ▶
Robot**

6-axis robot with absolute encoder. Nominal load 20kg or 30kg. Maximum reach of 1621mm - 1739mm.



RA620 Articulated

ARTICULATED

RD403 DELTA Robot ▶

An IP65 rating and RD403-110-FD for food applications.



RD403 DELTA

DELTA

**Integrated S
Series Electric
Gripper ▶**

Built-in controller. 2 or 3 Pronged. Compatible with HIWIN and other robot brands.



Integrated Electric Gripper S Series



Integrated Electric Gripper S Series

**END
EFFECTORS**

Rotary Joints ▶

Passively transmit electric signals or air under infinite rotation, replacing and solving the wire deflection, space interference as well as wear and tear.



ERJ-30

Robot Controller ▶

Match up HIWIN's IPC based controller with your choice of robot.



RCA605

**ASSOCIATED
PRODUCTS**

HIWIN CORPORATION

For 30 years, the HIWIN facility, located right outside Chicago has been here to support customers of any HIWIN product with an in-house engineering team. HIWIN manufacturing quality is unmatched, offering a variety of standard and customizable product options. We have a tremendous amount of inventory in our warehouse and that, backed up with competitive pricing, is what truly benefits our customers. We are willing to machine parts to any specified millimeter length with international quality standards including ISO, JIS, REACH, RoHS, CE and UL. Hundreds of items are in stock and ready to ship, and our engineering expertise can design a custom component or entire motion system to meet your requirements.



For more info about HIWIN
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HIWIN[®]
Motion Control and System Technology

AHB
TOOLING & MACHINERY

COMPLETE
METALWORKING
SOLUTIONS

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