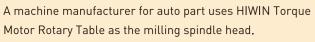
Upgrade the machine capability

Current manufacturing trend and global market requires more variety, high precision and complicate components in small production lot size. Only 4 axis or 5 axis machines can offer solution and integrate multiple machines' processes into combined machining to achieve qualified good surface finish, quality and productivity, which wins customer satisfaction and trust.



Automotive

RCV-H series suitable for milling spindle heads





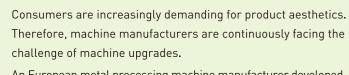
Suitable for machining center, drilling and tapping machines, engine, gearboxes, crankshafts, clutches, tire mold.



Total Solution

Single-Axis Robots / Ballscrew / Linear Guideway / Bearings

RCV series suitable for four-axis or 3+1 axis



An European metal processing machine manufacturer developed the machine, which equipped with HIWIN RCV series to produce automotive metal mold, which provide turn-key solution and achieve curve shape with fine surface in single process.



Suitable for machining center and engraving machines. Aluminum processing, smart phones/3C component, laser parts processing, precision equipment, textile machine parts,



%3C : computer / cell phone / appliances



Linear Guideway Bearings

Total Solution

Single-Axis Robots

Ballscrew

bicycle parts, etc.,

RAB/RAS series suitable for 5 axis machine center



Total Solution

For customer's 5 axis machine center, HIWIN provides the total solution and helps customer to complete the design.



Suitable for curve mold and graphite machining. Medical, 3D printer, auto and metal parts machining.

RCH series suitable for wafer inspecting machine

Wafer Robot / EFEM / Servo Motor / Ballscrew / Linear Guideway / Bearings / DATORKER® Strain Wave Gear System



Total Solution

Ballscrew / Linear Guideway / Bearings / DATORKER® Strain Wave Gear / Industrial Robot



HIWIN TECHNOLOGIES CORP. Suitable for large work platform, wafer grinding and polishing, Inspecting and measuring equipment.

No. 7, Jingke Road, Taichung 408225, Taiwan Fax: +886-4-23594420 business@hiwin.tw

HIWIN MIKROSYSTEM CORP.

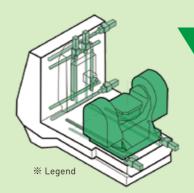
No.6, Jingke Central Rd., Taichung Precision Machinery Park, Taichung 408226, Taiwan Fax: +886-4-23550123 www.hiwinmikro.tw

The specifications in this catalog are subject to change without notification.

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Not just a rotary table!!

HIWIN. Total Solution



The best partner for upgrade and transformation

HIWIN's core competence is to offer mechatronic system integration. Provides from pre-sale to after sale product life cycle service, covers from customer product design, evaluation, selection, FEA structure simulation and maintenance service. With innovative and reliable product, HIWIN offers total solution and value added to our customers in improving the machining productivity and competitiveness.

Automation Solution







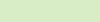












Electromechanical Solution

SCARA Robot Electric Gripper















Servo Drive

Support Unit

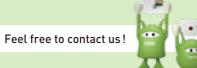












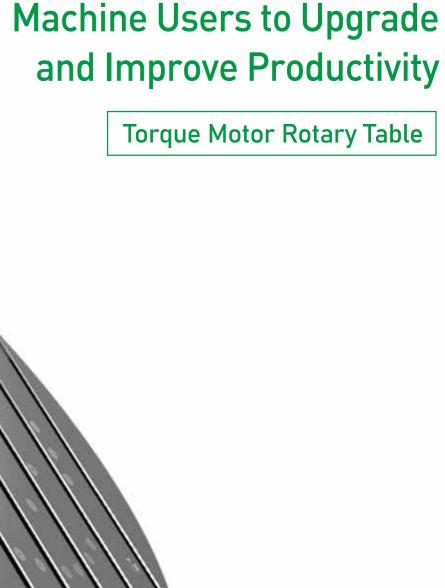
Taichung Precision Machinery Park,

business@hiwinmikro.tv





Best Partner for







HIWIN. Rotary tables are

► Suitable for multi-axis machining, tool manufac-

turing, tool storage system, gear hobbing

machines, screen printing, customized 3C

Direct Driven with

Water cooling design

► Hollow axis

HIWIN Torque Motors

► Maximum torque upto 5020Nm

electronic manufacturing, etc...

Are you troubled by the following?

Having accuracy issues when loading & unloading workpiece?

Have difficulties in calibrating accuracy with traditional rotary table?

Instability in machining quality?

Do you want to perform complicate machining in one setup instead of multiple machines' loading & unloading workpiece?



Increasing cost of factory space?





Leave all these troubles to **HIWIN Torque Motor Rotary Table**



HIWIN Rotary Table is equipped with Torque Motor, which unlike the traditional mechanical type Rotary Table, has advantage of zero friction, zero backlash. There is no need to calibrate accuracy, can reduce maintenance cost, repair cost and increase service life.

Enhance machining accuracy and efficiency

Assist in upgrade of 3 Axis machine to 3+1 or 3+2, to achieve higher stability in machining quality.



Machining of complex workpiece can be done in one machine. Upgrade to 4/5 Axis Machine with HIWIN Rotary Table for one stop solution.



Production line upgrade, one time machining, reduce loading and unloading frequency, save manpower and time

Advantages of Torque Motor Rotary Table

high axial and radial rigidity

Equipped With high precision bearing, with

Dual Axis Single Arm

For compact space application

- ► Single arm rotary tables with compact structure, design suitable for five axis machines with limited space design
- ► Zero backlash transmission to improve accuracy and surface finishing
- ► High response synchronized performance

Available table sizes (mm): 125 / 170 / 250 / 320 / 400 / 500 / 630 / 720

Applications: Metal machining, Mold manufacturing, Laser engraving, Welding equipment, Forging parts machining, Jewelry processing etc..

RCV Series







Vertical Single Axis

Vertical and horizontal two-ways

- ▶ Direct drive mechanism, reducing overall inertia and increasing acceleration.
- ► High precision encoders providing high accuracy
- ► Excellent option for machine upgrading to 3+1/4+1 axis.

Available table sizes (mm): 125 / 170 / 250 / 320

Applications: Metal machining, Mold manufacturing, Soft metal machining, EDM, SPM, Automation equipment, Inspection equipment, etc...



Horizontal Single Axis

- ► High dynamic positioning rotary table.
- ▶ Mill-turn and grind machine applications.

Available table sizes (mm): 200 / 400 / 600 / 800

Applications: Metal machining, Mold manufacturing, Appearance inspection, Chemical-Mechanical Polishing (CMP), etc..



industry



► Rotary axis

Equipped with high precision bearing, with high

axial and radial rigidity, hollow center

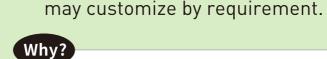












- ► Suitable for all kinds of four and five axis machining
- ► Modular design with simple and compact structure
- ▶ Customizable and interchangeable table sizes as required
- ► High acceleration, high rigidity and high accuracy
- ► Improve efficiency, increase productivity
- ► Zero backlash, high stability and long service life
- ► Robust built-in clamping system
- ► Compatible with all major controllers



Process complex surface with high-quality, precise & smooth surface finish.

Specialize in simultaneous machining, offer small to big size table,





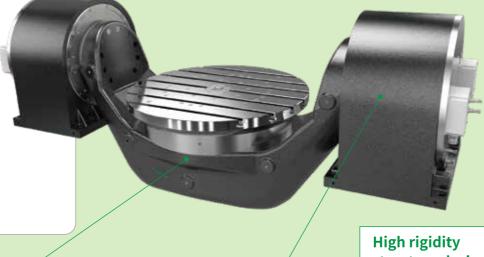
Dual Axis Dual Arm

For high rigidity application

- ► The table types can be customized as required
- ► Stops precisely and controllable tilting angle
- ► Suitable for all types of control systems
- ► Zero backlash transmission to improve accuracy and surface finishing
- ► High response synchronized performance

Available table sizes (mm): 170 / 200 /250 / 320 / 400 / 500 / 630 / 800

Applications: Metal machining, Mold manufacturing, Laser engraving, Welding equipment, Forging parts machining, etc..



structure design

► Tilting axis







