

**JAI KRISHNA BEARING HOUSE**

**OUR AUTOMATION BRANDS**

**HIWIN®**  
Linear Motion Products & Technology



**DELTA**

**Panasonic**

A Nidec Group Company  
**SHIMPO**

**ADVANTECH LNC**  
CNC Machine Controller

**HUST**  
CNC AUTOMATION



**OUR BEARING BRANDS**



**SKF**

**SCHAEFFLER**  
LUK INA FAG

**NTN**  
BEARINGS  
NTN corporation  
MADE IN JAPAN

**RUSLAN**  
BEARINGS

**NSK**

**Koyo**

**IKO**

**MIKI PULLEY**

**TIMKEN**  
Stronger. By Design.

**NRB**  
INDUSTRIAL



## VARIABLE FREQUENCY AC DRIVE (VFD)

Wide power range : 1 Phase / 230V : 0.25 HP to 3 HP  
 3 Phase / 415V : 0.5 HP to 860 HP  
 V/F, Sensorless vector control of IM / PM / SynRM motors, Torque Control Modes  
 Inbuilt PLC Function\*  
 Auto Energy Saving Function  
 Built in EMI filter\* & PID Feedback Control  
 Supports various network protocols(EtherCAT, EtherNet/IP, DeviceNet,  
 PROFINET, PROFIBUS DP, Modbus TCP, CANopen)  
 Wide range of models to fit different industries  
 Industry specific Drive for Elevator, Elevator Door, Textile  
 Crane, CNC Spindle, Solar water Pump, Fan & Pump Application



## PLC

PLC supports 256 DI/DO / 512 DI/DO /1024 DI/DO  
 Supports Modbus ASCII/RTU : RS232/RS485 & Modbus TCP/IP / Ethernet I/P : Ethernet  
 Support 200KHz HSC & 200KHz : PTO  
 RTC, Floating instruction & PID auto tuning function  
 Special Module of Analog, Temperature, Position, Communication port,  
 BAC net, Load cell & Remote IO modules (Devicenet and Ethernet)  
 Pulse type motion controller (2/3 axes) & CANOpen/EtherCAT motion controller module

### MODULARIZED MID RANGE PLC FOR PROCESS INDUSTRIES

Highly integrated software ISPSOft : 5 languages (IEC-61131-3)  
 Enhanced flexibility : Max. 100m between 2 local extension racks  
 Improved maintainability : Hot-swapping function keeps the system running  
 Utilizes dual-core multi-tasking processor Execution Speed:0.3ms/1k step  
 Max DIO : 4,352 points, AIO : 544 & RIO : Max. 125, 440 DIO / 3,920 AIO  
 CPU built-in with fully isolated RS-232/422/485, Mini-USB, Ethernet, SD Card 1.0  
 AIO modules, DIO modules, Temperature modules, Network modules, Pulse-train,  
 DMCNET/EtherCAT motion control modules, Devicenet & Ethernet based RIO modules  
 CPU, Backplane, Powersupply, Communication Redundancy supported



## HMI

Text Panel with 2/4/8 line with max.24 Function keys  
 Touch screen available in 4.3 , 5.7 , 7 , 10.1 12 & 15 with TFT LED display  
 High resolution with 65536 color  
 3-communication port (RS232/RS485/RS422) & Ethernet port  
 Non editable history file & PDF writer  
 Support USB Client for High speed download/upload  
 Support USB Host for USB flash drive, Printer, Mouse and Barcode reader  
 VNC viewer software (PC + Android application) for remote communication  
 E-Server software for Data logging application  
 Supports Operation Log Viewer/user level password setting  
 Ethernet Model supports FTP & Alarm Email Function (SSL security)  
 Supports Text Panel with Inbuilt PLC



## AC SERVO SYSTEM( Delta & Panasonic)

Rated Output : 10 W to 22.0 kW  
 Rated Torque : 0.032 Nm to 140.0 Nm  
 23-bit Absolute / Incremental Encoder  
 Position / Internal Position / Speed and Torque Control Modes  
 3.2KHz Velocity Response Frequency  
 Maximum 6500 RPM  
 8Mpps Exclusive Interface for Line driver Pulses  
 Fit gain tuning function  
 Full Close control with linear scale or external encoder  
 Quadrant projection suppression function  
 With / Without Holding Brake  
 Built-in Electronic cam ( E-CAM ) function  
 Modbus, EtherCAT, R-TEX Communication



## TEMPERATURE CONTROLLER

PID, ON/OFF, Manual & PID Program control modes (Ramp/Soak)  
 Universal Input Relay / Voltage pulse / Linear Voltage & Current Output  
 Various Panel size LCD & 7 segment display option  
 Dual Loop Output Control ( Heating/Cooling Control )  
 Auto tuning function Blind Temp. Controller with dual O/P  
 Special module for Valve Control Retransmission Output  
 Parameters down load via PC software  
 RS-485 MODBUS communication Password Protection & Key lock function



## CNC CONTROLLER

### LNC

1~9 Axes Controller Dual Channel Option available  
 Type - 2+1 Turning or 3+1 Milling Controller Display - 7" Or 8" Colour  
 EtherCAT Digital or Pulse type System Ethernet, RS485 Port  
 Inbuilt I/O ( 16I X 16O) x 2, Expansion I/O Possible  
 Absolute Encoder Connectivity 256MB SD or 1GB CF Card, USB Port  
 Macro Command, Background Editing Gantry function for Axis pair  
 Linear or Rotary Axis Selection WebAccess / Industry 4.0 / Cloud Monitoring



### HUST

1 ~ 9 Axes Controller Pulse and Analog Command  
 5.7 , 8.0" & 10.4" Display Graphical simulation & MPG Function  
 48/32 I/O Inbuilt and 192/128 Expansion I/O  
 Program memory up to 512 KB (USB 2GB optional)  
 RS232 Communication, Gantry Function  
 User can design PLC & Screen program  
 User can design program by CAD / CAM  
 Macro Command, NPN - Input type

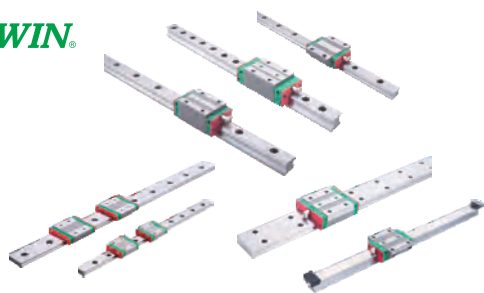


## SPEED REDUCER

Rated Output : 6Nm to 3000Nm  
 Ratio : 3:1 to 100:1  
 Very precise performance  
 Wide range of Applications in industries  
 Inline - Right angle models available  
 Easy to mount & assemble  
 Life time lubrication free product  
 Maintenance free product  
 Freedom for 360 °mounting  
 Smooth rotation even at very low speed.  
 Low operating noise

### Application

Packaging Machines      General Automation & Testing  
 Machine Tools & Metal Forming      Printing Machines & Conveyors  
 Plasma CNC Cutting Machine      Semiconductor & Circuit MFG  
 Medicine MFG, Pharma Machines



## LM GUIDE

Linear guideways provides linear motion by re-circulating rolling elements between a profiled rail and a bearing block. Hiwin Corporation offers multiple linear guideway series, each featuring different options for sizes, loading capabilities, accuracies and more.

### PRODUCT RANGE

HG - Machine Tools	MGN - Medical & Semiconductor
EG - Automation Industry	QE - Highspeed Requirement
WE - Single Axes Equipment	CG - Cover Strip for Dustproof
RG - High Rigidity Application	



## BALL SCREW

Ballscrews convert rotary motion into linear motion and are most commonly used in industrial machinery & precision machines  
 Hiwin Corporation has the capability of producing JIS C0 class ground ballscrews, & DIN 5 class for precision rolled ballscrews. Ballscrew O.D. ranging from 4mm to 120mm, and with Dm-N values up to 220,000

### PRECISION GROUND / ROLLED

Super S series	Rotating Nut (R1)
Super T series	Heavy Load Series (RD)
Mini Roller	



## || **JAI KRISHNA BEARING HOUSE** ||

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