



# Corporate Profile

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Complete Solution for All Industrial Automation

[www.ncsautomations.com](http://www.ncsautomations.com)

NCS Automations is a trusted provider of industrial automation products from India.

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## Table of contents

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About NCS Automations

Our History & Mission

Our Products

- Programmable Logic Control (PLCs)
- Human Machine Interface (HMIs)
- Servo (Motors & Drives)
- Variable frequency Drive (VFDs)
- Sensors & Encoders
- Counters & Timers
- Electric Control Panels
- Heating Control Systems

Research & Development  
 Manufacturing & Quality Control  
 Sales & Services



AC Drive    PLC    HMI    SERVO    STEPPER    DC CONTROLLER

Authorised NCR Dealers - **Kinco**

Available Other Brand Services Also Like





## About

NCS Automations is a leading provider of automation solutions in Delhi, India. We develop, manufacture and import a wide range of automation-related products which are marketed wide. Our core products include various sensors, control devices, variable frequency drive (VFD's) , process automation instruments, control switches, electric control panel and other electrical equipment.

Our products are trusted and adopted by engineers in various industrial applications including food manufacturing & packaging, plastic & rubber processing, semiconductor equipment, and metalworking machinery.





## Our History & Mission

Automation is never ending subject, whatever can be imagined can be designed and delivered. But there is always a challenge of designing a solution which is value for money, i.e. it's cost vs value delivered. Automation's basic function is to address uninterrupted quality of mass production on 24x7 basis. Automation to be optimally designed to enhance human caliber. Man can think and create a machine which is faster, accurate and powerful than him. But still there is no replacement to human capabilities of thinking. So in this race let's complement each other and let the human value always prevail. We say it a Automation with human face.

Every day we will seek ways to improve the performance of our business in order to become the best at what we will deliver to our customers. NCS Automations is an leading solution provider for Electrical and Industrial Automation established in 2020.





## Our Products

- Programmable Logic Control (PLCs)
- Human Machine Interface (HMIs)
- Servo (Motors & Drives)
- Variable frequency Drive (VFDs)
- Sensors & Encoders
- Counters & Timers
- Electric Control Panels
- Heating Control Systems



## Products

- Programmable Logic Control
- Human Machine Interface
- HMI With PLC Combo
- Servo Drives
- Servo Motors
- Stepper Motor & Drive
- Variable frequency Drives
- Photoelectric Sensors
- Proximity Sensors
- Rotary Encoders
- Counters
- Timers
- Temperature Controllers
- Power Controllers
- Limit Switches
- Power Control Panel
- Heating Panel
- SMPS (Power Supply)
- DBR (Braking Resistor)
- Cables

### K-5 Series

#### Features:

- ✓ Performance oriented design
- ✓ Finely finished
- ✓ Simple installation

#### Specifications:

- ✓ High speed
- ✓ More options for communication
- ✓ Dual pulse output channels with 200KHz capacity



### F1 Series

#### Features:

- ✓ Smooth operation
- ✓ Less maintenance
- ✓ Prolonged service life

#### Specifications:

- ✓ Kinco F1 series PLC is a kind Kinco lunched PLC product that is for bus control, it integrate a 3S company's software called Codesys which has a strong function and steady performance, it has the strong high speed logic control ability and can connect with the external devices via CAN field bus, like remote I/O module, servo controller, and inverter and so on



### K-3 Series

#### Features:

- ✓ High performance
- ✓ Application specific design
- ✓ Durability

#### Specifications:

- ✓ Kinco K3 series PLC are widely used in many industries. Kinco PLC was selected in the National Swimming Pool (The Water Cube) and the Beijing-Tianjin inter-city railway
- ✓ CPU Module
- ✓ Expansion I/O Module
- ✓ Expansion Power Module



## PLCs

A programmable logic controller or programmable controller is an industrial digital computer which has been ruggedized and adapted for the control of manufacturing processes, such as assembly lines, or robotic devices, or any activity that requires high reliability, ease of programming and process fault diagnosis.



### MT 4000

#### Features:

- ✓ Industry approved design
- ✓ Reliable performance
- ✓ Compatible with major PLCs and controllers

#### Specifications:

- ✓ 65536 True colour TFT LCD supports the import multiple windows image formats, such as BMP, JPG, GIF and supports all fonts of windows platform
- ✓ 32-bit, 400MHz RISC CPU
- ✓ 8M Flash ROM + 16M SDRAM, Larger storage space and 256 KB recipe memories could record data easily
- ✓ 3 COM ports support simultaneous communications with controllers of 3 different protocols, supports RS232/RS422/RS485 mode
- ✓ 1 USB Slave port available for download and one DB15/DB25 port for printing
- ✓ Powerful configuration software supports macro commands and provide rich drawing library



### MT 5000

#### Features:

- ✓ Optimum performance
- ✓ Enhanced durability
- ✓ Precisely designed

#### Specifications:

- ✓ Higher performance and efficiency because of 520MHz powerful X Scale 32-bit RISC processor
- ✓ Dual USB host ports compatible with peripherals like mouse, keyboard, printer and USB disk
- ✓ Standard SD card slot on board and USB host port can be used for uploading/downloading application and recipes data from/to panel and also historical data can be stored in the card
- ✓ 3.5 mm audio port available for speaker and some model supports two channel video input interface
- ✓ RJ45 Ethernet interface and Optional CAN open interface, Profibus and MPI interface available



### MMI –Text Display

#### Features:

- ✓ Industry proven design
- ✓ User-friendly
- ✓ Support multiple communication protocols

#### Specifications:

- ✓ MD200 and MD300: Low-End Economy HMIs
- ✓ 4.3 inch, monochrome



## HMIs

A Human-Machine Interface (**HMI**) is a user interface or dashboard that connects a person to a machine, system, or device. While the term can technically be applied to any screen that allows a user to interact with a device, **HMI** is most commonly used in the context of an industrial process.



## Servo & Stepper Systems

A **servo system** is an electro mechanical or hydraulic **system** that can follow a desired position, speed or time in a closed loop fashion. A **servo system** consists of a motive apparatus, a feedback sensor and logic, usually electronic but can be mechanical, that commands the motive apparatus to a desired set point.



### CD Series

#### Features:

- ✓ Precision-designed
- ✓ Reliable performance
- ✓ Enhanced functioning life

#### Specifications:

- ✓ 100W ~ 2KW (1A~/3A~, 220V)
- ✓ Built in Position Mode, Velocity mode, Torque mode and Internal position mode
- ✓ CD drives have fast response frequency, high accuracy and high overload capacity because of advance controlling algorithm inside
- ✓ Very easy to control 7 Digital Inputs and 4 Digital outputs
- ✓ Parameter can be programmed by manually and PC based software
- ✓ Built In RS-232/RS-485
- ✓ CD drives can be used for the application of Circular interpolation, Cut to length, Machine tools etc.

### FD Series

#### Features:

- ✓ Optimum performance
- ✓ Elevated functioning life
- ✓ Precision-designed

#### Specifications:

- ✓ FD Series drives have same features as JD series servo system but it comes with CAN open



### JD Series

#### Features:

- ✓ Smooth performance
- ✓ High efficiency
- ✓ Low maintenance

#### Specifications:

- ✓ Kinco JD series servo drives supports CAN open RS-232 and RS-485 Communication Mode
- ✓ JD drives supports various control signal "P/D, CW/CCW and AB Phase
- ✓ It also Supports Incremental and Absolute encoders with SSI, BISS and End at protocols
- ✓ Enhanced Safety with Safe Torque off (STO) makes servo system more secure and humanized



### ED Series

#### Features:

- ✓ Minimal maintenance
- ✓ Consistent performance
- ✓ Application specific design

#### Specifications:

- ✓ Kinco ED series have flexible programming
- ✓ ED servo drives support field bus communication
- ✓ ED servos are suitable for multi axis solution and single axis controller less applications



### Stepper Systems

#### Features:

- ✓ Industry approved design
- ✓ Durability
- ✓ Reliability

#### Specifications:

- ✓ Kinco 2-phase and 3-phase hybrid stepper motors are made of high quality CRS (Cold Rolled Steel) and thermo stability permanent magnet. The flange size of 2-phase series ranges from 42 mm to 130 mm, the 3-phase series are of 57 mm and 85 mm
- ✓ Kinco stepper motors feature low temperature rise, high reliability and stability, which make Kinco stepper motors suitable for different industries under different ambient conditions





### Chinsc

- ✓ Product: S100 series
- ✓ power: 0.75kw-7.5kw
- ✓ Input Current: 380v/220v ±15%
- ✓ Input Current: 47-63hz
- ✓ Output frequency: 0-600hz
- ✓ Product details: Fan Cooling Dust-proff Noise reduction, Exquisite workmanship, compact structure, Unique dual-core technology, more secure, more reliable, Selection of the best quality imported materials
- ✓ Packaging & Shipping

### Chinsc

#### High Responsiveness Variable Frequency Drive

- ✓ Product: S350 series
- ✓ power: 0.4kw-30kw
- ✓ Input Current: 380v/220v ±15%
- ✓ Input Current: 47-63hz
- ✓ Output frequency: 0-600hz
- ✓ Product details: Fan Cooling Dust-proff Noise reduction PCB Board Special protective paint Acid and alkali resistance Aging resistance Control Board Low frequency High torque...



### CV100 Series

#### Features:

- ✓ Minimum maintenance
- ✓ High capacity
- ✓ Long operational life

#### Specifications:

- ✓ 0.5 ~ 3.0 HP (1Ã~ / 3Ã~, 220V)
- ✓ ~ 3.0 HP (3Ã~, 440V AC)
- ✓ Control Mode: V/F Control, Open Loop Vector Control
- ✓ Built in Auto Tuning Function
- ✓ Auto Torque Boost and Auto Slip Compensation Function
- ✓ Standard Equipped Modbus (RS485 baud rate up to 38400bps)
- ✓ Sleep/Wake Function



### SV200 Series

- ✓ Senseless flux vector control (VC) V/F (Voltage/Frequency) Control
- ✓ Overload capacity is 60s for 150% of the rated current, 3s for 180% of the rated current.
- ✓ There are ten auxiliary frequency sources.
- ✓ It can implement fine tuning of auxiliary frequency and frequency synthesis
- ✓ Support PM motor (Z2000 T series)
- ✓ Power range : 220V 0.4~7.5kw 380V 0.75~280kw



### FV100 Series

#### Features:

- ✓ Hassle free performance
- ✓ High efficiency
- ✓ Long service life

#### Specifications:

- ✓ 0.5 ~ 3.0 HP (1Ã~ / 3Ã~, 220V)
- ✓ ~ 525.0 HP (3Ã~, 440V AC)
- ✓ Control Mode: V/F Control, Open Loop Vector Control, Vector Control with PG
- ✓ Frequency Accuracy: Digital Setting: Max Frequency + 0.01% Analog Frequency + 02%
- ✓ Built In Auto Tuning and Brake Unit up to 15 kw
- ✓ DC Reactor built in up to 110KW
- ✓ Copy Parameter by Operation Panel



### CV20 Series

#### Improved mini VFD

- ✓ Wall mounting or rail mounting
- ✓ So many function: S curve, analog PID control, frequency Swing, counter, VF curve, simple PLC functions, timer
- ✓ Cost-effective



## VFDs

A **Variable Frequency Drive (VFD)** is a type of motor controller that drives an electric motor by varying the frequency and voltage supplied to the electric motor. Other names for a **VFD** are variable speed drive, adjustable speed drive, adjustable frequency drive, AC drive, Microdrive, and inverter.





## Sensors

In the broadest definition, a sensor is a device, module, machine, or subsystem whose purpose is to detect events or changes in its environment and send the information to other electronics, frequently a computer processor. A sensor is always used with other electronics.

### Photoelectric Sensors

- ✓ Cylindrical sensors
- ✓ Thru-Beam Sensors
- ✓ Retroreflective sensors
- ✓ Diffused Sensors

### Our Photoelectric Sensor Models

- ✓ HA-E3F-10(C1/C2/C4)
- ✓ HA-E3F-10(B1/B2/B4)
- ✓ HA-E3F-10(A1/A2)



### Proximity Sensors

- ✓ Inductive Cylindrical Sensors
- ✓ Inductive Rectangular Sensors
- ✓ Capacitive Sensors

### Our Proximity Sensor Models

- ✓ GAM4-12GM(N1/P1)
- ✓ GAM8-18GM-N1
- ✓ LJ12A3-4-Z(BX/BY)
- ✓ PL-05-N2
- ✓ E18-BO1N1
- ✓ TL-Q5MC1-Z
- ✓ TL-Q5MB1-Z



### Rotary Encoders

- ✓ Incremental Rotary Encoders
- ✓ Absolute Rotary Encoders
- ✓ Flexible Couplings



### Temperature Controllers

- ✓ PID Temperature Controllers
- ✓ Digital Display Types
- ✓ Analog Display Types
- ✓ Multi Channel Modular Types



### Timers

- ✓ Digital Timers
- ✓ Analog Timers



### Counters

- ✓ Standard Digital Counters
- ✓ Compact Size Counters
- ✓ Counters/Timers



#### Electric Control Panels

- ✓ Machine Control Panels
- ✓ Drives (VFDs) Panels
- ✓ PLC Control Panels
- ✓ Power Control Panels



#### Heating Control Panels

- ✓ Automatic Heat Control Panels
- ✓ Manual Heat Control Panels



#### Power Supply (SMPS)

- ✓ PS-2402 (2.5 A SMPS)
- ✓ PS-2405 (5A SMPS)

## Panels

Panels are designed and used to control mechanical equipment. Each one is designed for a specific equipment arrangement and includes devices that allow an operator to control specified equipment.





3/5 PLY Automatic Corrugated Board Line



**NC Cutter Machine**

### Available Services & Spares

- 3/5 PLY Automatic Corrugated Board Line
- Electric Mill Roll Stand Machine
- Corrugation Machine
- Pasting Machine
- Double Facer (hot Plate) Machine
- Thin Blade Slitter Machine
- NC Cutter Machine**
- 2 PLY Cutter Machine**
- Printing Machine
- Auto Folder Gluer Machine
- Stitching Machine
- Automatic Flute Laminator Machine &
- All Industrial Automation

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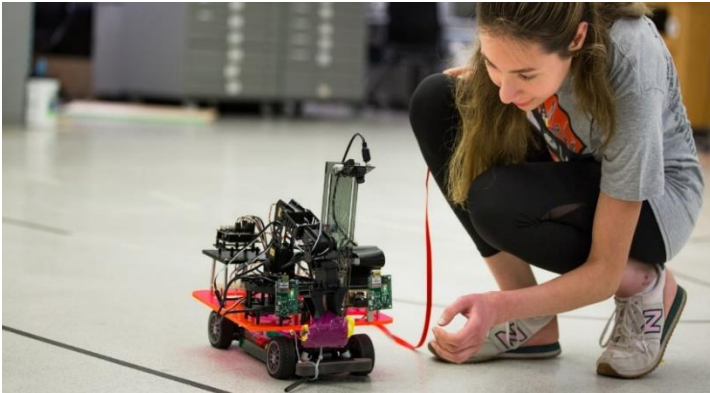
**2 PLY (Sheet) Cutter Machine**



## Research & Development

At NCS Automations, we believe that the principle aspect of customer satisfaction is achieved through our technological expertise and quality products.

NCS Automations dedicates about 20% of its human resources to research and development, a top standard in the industry. We also invest over 10% of our annual revenue in research and development, in an effort to bring new breakthrough technology and products to our customers.



## Manufacturing & Quality Control

### Manufacturing

The main manufacturing facility for NCS Automations is located with our headquarter office in Delhi, India. With state-of-the-art facility and production equipment, comprehensive end-to-end quality control, and automated system, NCS Automations is able to manufacture and testing its high quality products to the market.

### Quality Control

Since our establishment in 2020, NCS Automations has always strived to produce standard products and maximize customer satisfaction through our extensive quality control and management system. NCS Automations enforces strict quality control on all products by employing over cutting-edge quality-test equipment meticulous quality inspections.



## Sales & Service

### Automation Solutions

NCS Automations knows that many variables exist within a production line and that each and every system requires a unique configuration. That's why we offer over differences product models, each with its own specifications and purpose, so that we may provide ideal and comprehensive automation solutions suited for each customer's needs.

### Customer Satisfaction

Customer satisfaction is the foremost priority at NCS Automations. To ensure this, we introduce various new products and technology every year to meet the changing needs of our customers.



NCS Automations is deeply committed to the enhancement of customer experience, productivity, and satisfaction. We are driving towards leadership in the automation industry.

Thank You...