Kinco Training Device

Kinco®

Kinco Training Device

Product Catalog

Kinco® Automation

KO01EN13-1308

Kinco® Automation
http://www.kinco.cn Email:sales@kinco.cn Tel: +86-755-26585555

CONTENTS

Kinco Full Lab Training Set

The KINCO full lab training set is a standing set which is designed & manufactured by using KINCO's products & yet it has all necessary skills for controlling different small industrial processes to provide all needed simulations.
The installed simulation panel on the table is to use input/output ports of any equipment on the table separately so that the user can be trained wirings and etc

Weight:110 KG
Serial No.:QV-KIN-F.V

Content:

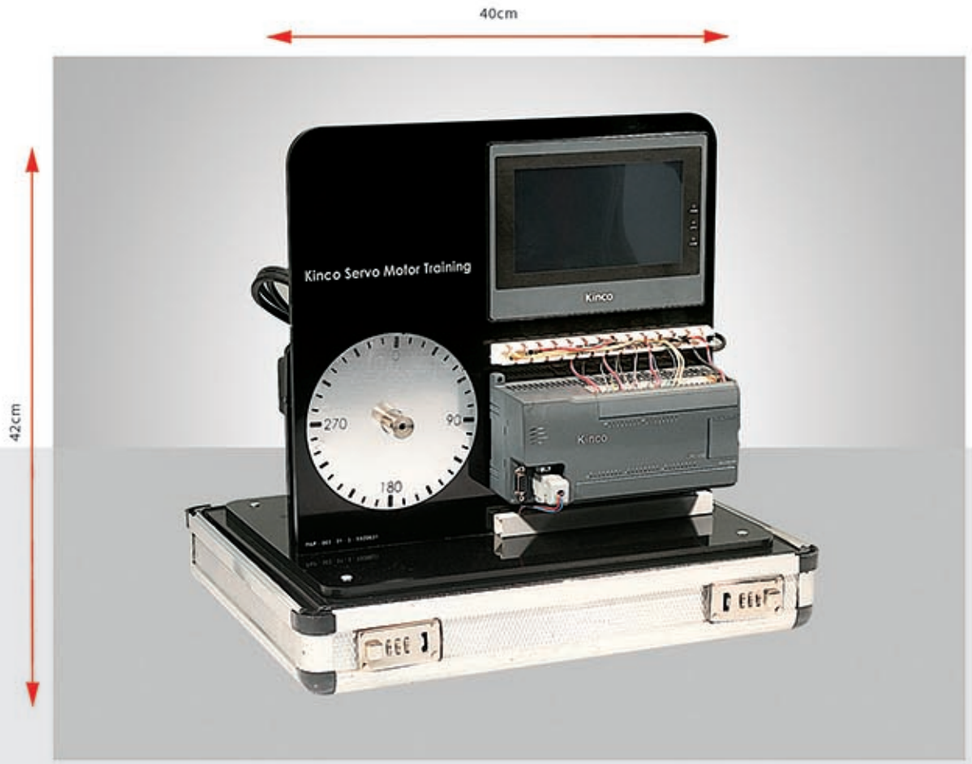
Connector module
Controller
F1 analog module
HMI 7"
3 phase 1500 RPM 0.37 KW motogen
Servo encoder cable
Servo power cable
Step drive (RS485)
2 phase 1.5A step motor
2 phase 3A step motor
2 phase step drive
Servo driveRS485
Servo motor
VFD

Advantages:

- Accomplish Closed loop test by inverter
- Ability to monitor different kinds of industrial projects
- Ability to simulate different kinds of industrial processes
- Ability to distribute the whole equipment (Modbus, can)

Kinco Servo Portable Training Set

Servo portable training set is designed & made of KINCO products. It also has one PLC KINCO with HMI, one motor & a servo driver



Weight:15KG

Serial No. : QV-KIN-SRV

Content:

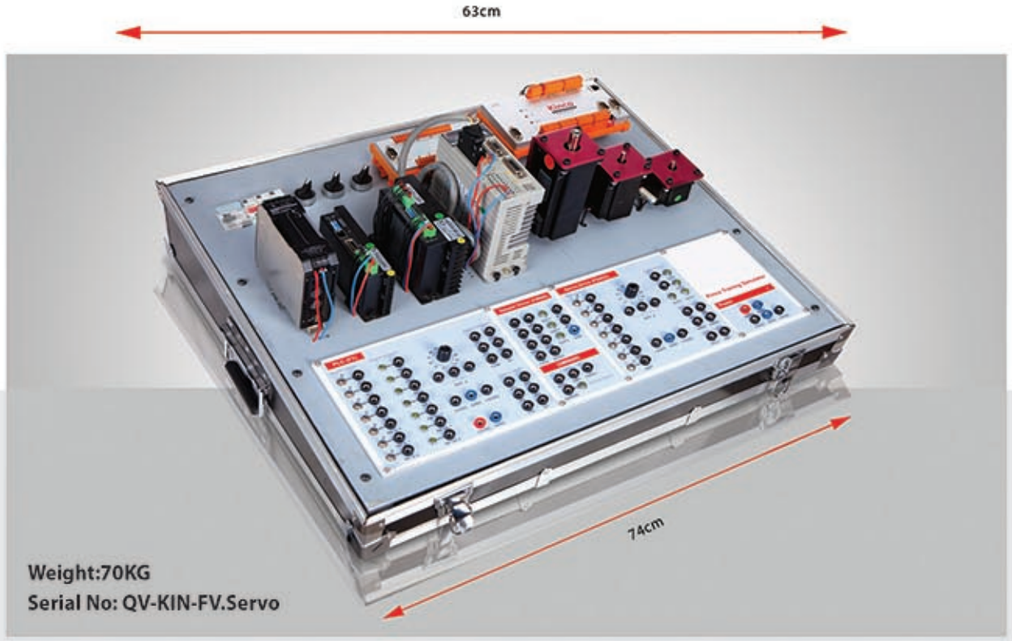
Connector module
PLC
HMI 7"
Servo drive
Servo motor

Advantages:

- Digital speed, location & moment control
- Isolating the connection ports so the noise resistance would be high
- 660 HZ Frequency response in Speed loop mode in JD models
- 3 times more capable of over load
- Supporting the Master-slave controlling
- RS232,RS485,Can Open, Profibus -DP
- Using user friendly (keypad) software
- 0.4 to 4.4 KW motors

KINCO VFD-SERVO Portable Training Set

KINCO portable training set including 2 sets (VFD & SERVO) is designed & made by KINCO's products & yet offers all necessary abilities for controlling all kinds of different industrial processes.
First set is designed to train controlling motors with VFD, HMI & PLC-K5 and second one made for PLC-F1, servo drive & step motor training.
You can choose which set is good for you so you would not need to buy the whole PLC set.



Content:

- CPU module
- Connector module
- controller
- F1 analog module
- HMI 7"
- 0.37 KW 3 phase 1500 RPM motogen
- VFD

Content:

- Servo encoder cable
- Servo power cable
- Step drive (RS485)
- 1.5 A 2 phase step motor
- 3 A 2 phase step motor
- 2 phase step drive
- Servo drive RS485
- Servo motor

Advantages:

- good performance, multi task, economical
- Using Vector technology coming from servo products to more precise flow control, less temperature spreading & less noise.
- Using motor resonance control tech to make motor run better
- Promoted heat design to decrease the temperature increasing speed
- Reliable & absolutely economical system
- Having various kinds of increasing module to serve most of the necessities
- Supporting quick speed counters, pulse imports, PID algorithms
- Supporting multiple connection protocols
- Multiple encoding methods

VFD Portable Training Set

The inverter circuit which its frequency & output voltage can be changed is called electric drive. VFD driver is to control the rotation speed of the AC motor with controlling the exerted supply frequency on electric motor.

The principle of this driver is that synchronous speed of an AC motor depends on its supply frequency. VFD is also called as AFD (adjustable frequency driver) or VSD (variable speed drive).

Weight:15KG
Serial No:QV-KIN-VFD

Contect:

16-bit Industrial16/16DO/DI	VFD
0.37 KW 1500 RPM	3 phase motogen

Advantages:

- Motor Speed adjustable
- No need to contactor for changing the direction of rotation
- No need to on/off the main power to on/off the motor
- Decreasing the mechanical shocks to increase the lifetime of mechanical parts
- Protecting the motor from voltage increasing to prevent the harm in motor
- Soft motor startup without any shock to mechanical parts such as couplings, gearboxes, belts, chains & etc.
- Protecting the motor from overloading (e.g. when the overload happens the set lets the user know about it)
- Ability to prevent the extra heat that leads to burn the motor when the direction of rotation is changing frequently or on/off happens a lot.

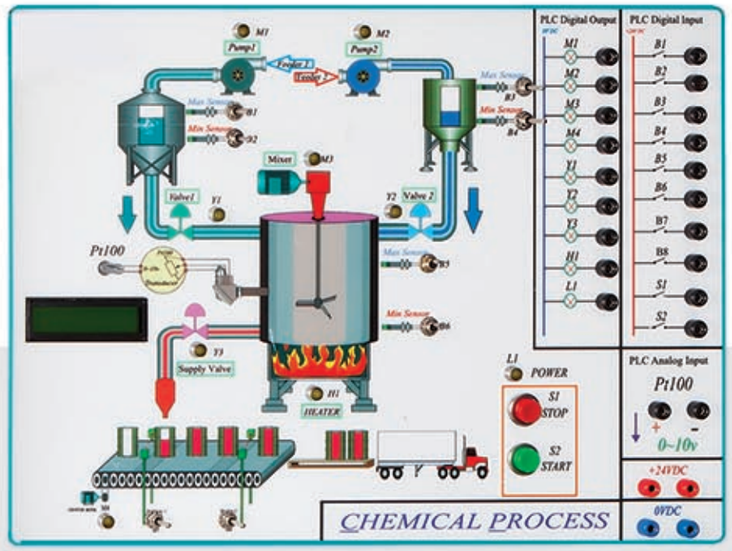
PLC-D Portable Training Set

This set simulates the KINCO-PLC using KINCO productions & yet it has all necessary skills to control different small industrial processes by the provided simulators. The input/output modules are designed to reduce the wiring & starting up time to minimum. The designed simulators contain the whole concept of basis (input/output) & advanced (timer, counter, analog output, etc.).

Weight:7 KG
Serial No: QV-KIN-PLS-A

Content:

16-bit Industrial	CPU
16/16DO/DI	Expansion Board
4KB	Memory Area
265V	Power Supply



Advantages:

- Connector cable to download data & connect PLC to PC
- LCD screen to show input/output analog signals
- LED to show & test the digital output signals
- A bag to carry
- LED to show RUN/STOP mode
- Chemical process simulator
- A place to keep the cables
- The smallest possible volume for wiring

PLC Portable Training Set

Today in industrial automation, various controlling systems with different abilities are used in all kinds of processes. While the technology is growing so fast, industries need to increase their efficiency & quality by trying new method so they can still stand in line of manufacturing & not getting bankrupted.
The PLC programmable logical controllers are one of these new methods.

Weight: 7KG
Serial No: QV-KIN-PLTDS-LGA

Content:

	CPU
4AI	Expansion Board
2DO	Expansion Board
220v	Power Supply
	Panel Simulator

Advantages:

- **Perfectly suitable for the automation installation & startup method training**
- **LED screen for reading the transported analog data**
- **Ability to PLC program**
- **Ability to simulate through LEDs without needing any special input/output instrument**

Process Training Set Instrument

Process Instrument training set is used to train instrument & control equipment which are used in industrial processes. One of the most important abilities that this set has is the possibility of training PID & CASCSE loops which are very unique.
The design is modular & it can be changed easily by the user'srequest. Having DCS advanced controlling system is another good feature.

Weight:80KG
Serial No.:QV-KIN-PI-CM

Content:

Tank (A) From Stain steel and Plexiglas	TANK-A
Tank (B) From Stainless and Plexiglas	TANK-B
Water Pump	PUMP
ORFIS Fellow meter	FIT-100
Control Valve	CV-100
Pressure Transmitter	PT-100
ON-OFF Valve	XV-100
Temperature Sensor	TE-100
Pressure Gage(0 to 6 Bar)	PG-100
Pressure Gage (0 to 600 mBar)	PG-101
Gateway Valve 1	GV-1
Gateway Valve 2	GV-2
Gateway Valve 3	GV-2
(Ball Valve)	BV-1

This Panel has been designed and made to train Instrumentation & Control Equipment that is used in industrial processes. Among the most important capabilities of this Set is PID loops and, which is typically unique.This Set's design is Modular and changeable, based on customer's requirement. Implementation of DCS Advanced Control System is among the important features of this Set.This panel has capability of monitoring via HMI and PC.

Advantages:

- Usability in Instrumentation and Control Labs for training of Instrumentation Equipment that are widely used in industrial processes
- Usability in Control Labs to train advanced Control Loops
- Capability of Implementing of DCS Advanced Control Systems
- Using the I/O remote cards to equalize DCS System in industrial processes
- Easy controlling by using the PLC, and Signal Status Displaying in Monitoring System
- Capability of Monitoring via HMI & PC
- Usability in Automation Labs to learn PLC Programming and HMI Monitoring Systems
- Ability of adding the different type of equipment according to customer's requirement
- Training of different types of Control Valves and the mechanism of their performances
- Using modern **stainless** tanks with **Plexy glass** Tube
- Using Aluminum Profile for body of set

Control Valve Training Set

The purpose of designing the control Valve is training of Control Valves which have different uses in industrial process. The Plug & Play Mechanism which has been designed into this set make the set so easily applied, So that the instructor can replace the Valve or connect it to Control System in the minimum time

Weight:90KG

Serial No.:QV-KIN-VLV

Content:

Aluminum Structure
Butterfly Valve
Glob valve
Ball valve
Pressure regulator
Control system(PLC)
Monitoring system(HMI)

Advantages:

- Training of different kinds of Control Valves and Mechanism of their performances
- Training of different kinds of Actuators and Mechanism of their performances
- Training of Control Valves' Positioner
- Training of how to control and monitor Control Valves
- High capabilities, simultaneous to simplicity ,User Friendly Construction
- Valve's easy & quick changeability regarding to Plug & Play Mechanism
- Elegant designing, high quality with the lowest requirement to repair and maintenance
- Modular designing in the optimum space and requiring to small space for exploitation
- Capability of using this Set in Automation, Instrumentation and Control Labs
- Capability of using this Set in training PLC Logic Controller and Monitoring System via HMI

PID Control Training Set

The purpose of designing advanced PID control is training control Loop with PID method.
This set is includes of Mechanical & Software parts.
In Software part the user can regulate control parameters and then can see the effect of changes on diagram

Weight: 70 KG
Serial No:QV- KIN-PI-CM

Content:

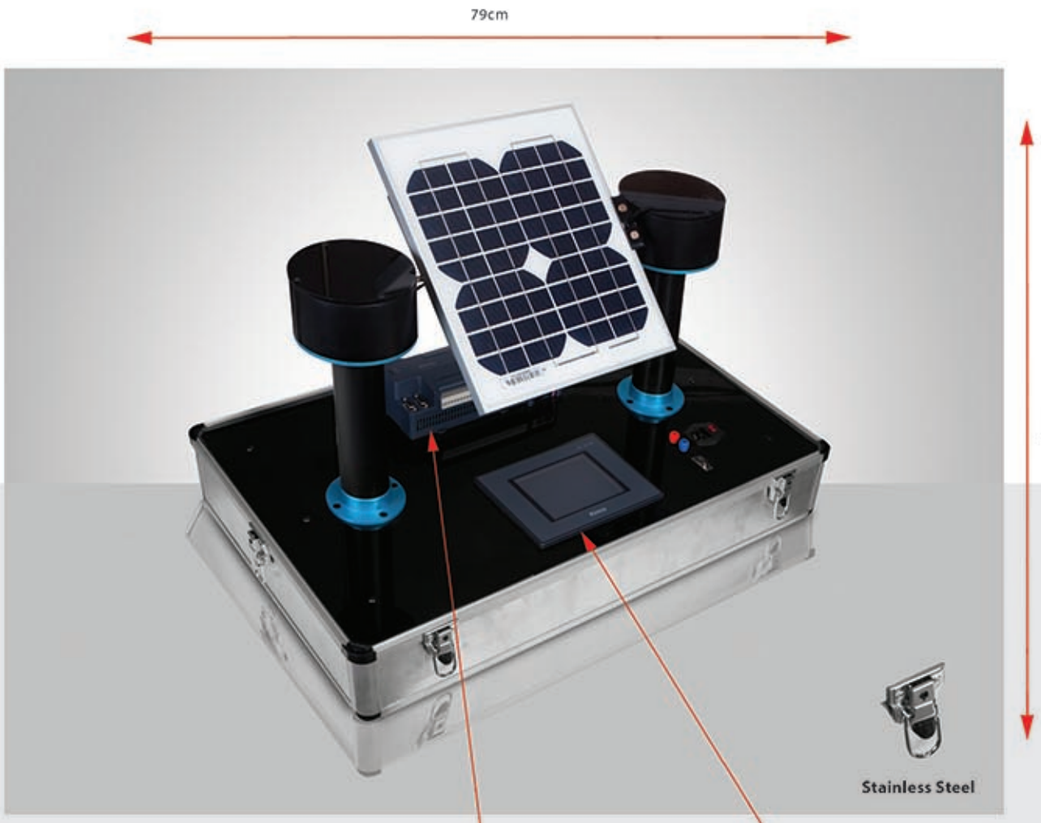
Aluminum Structure
AC Motor (3 phase, 0.12 KW)
Inverter (3 phase with Encoder)
Encoder (1024 Pulse)
PLC (KINCO CO.)
HMI (KINCO CO.)

Advantages:

- Training of Loop PID and changing Parameters
- Monitoring and analyze of control data with diagrams.
- Design and construction of control block diagram
- High safety system
- Training control of Loops according to structure software

Solar System Training Set (Sun Tracking)

Sun tracking solar training set is sort of a simulator for sun power stations with the ability of tracking the sun so you can work with a real sun tracking system.
It has a sensor to locate the sun to search and find the sun wherever it's been located and it would have the most efficiency.
With the control & monitoring system you can do many kinds of things like programming the automatic movements.



Weight: 20kg
Serial No. : QV-KINS-SNT

Content:

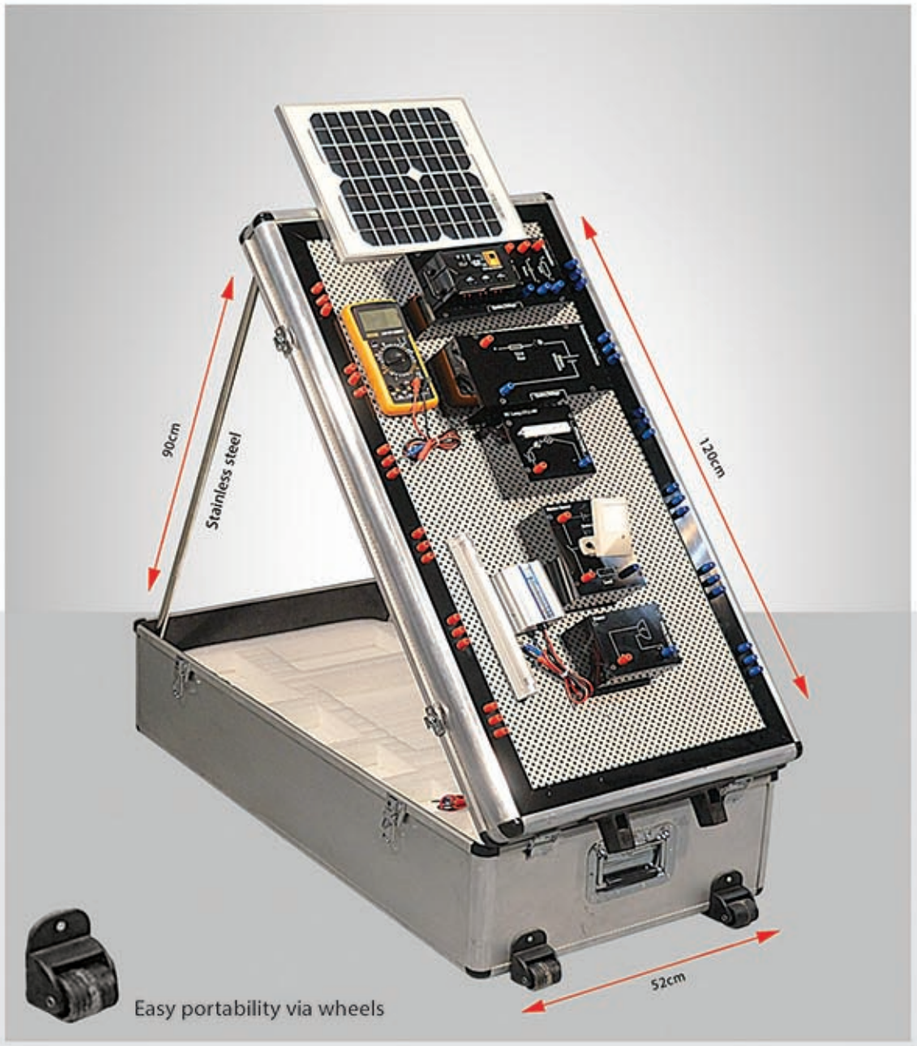
- W10 solar panel
- Blue & red TB4 supply terminal
- increasing module
- HMI- MTA310C monitoring system
- coupling
- SUN TRACKING solar bag
- DC motor
- DC to DC module
- 2 channel relay board
- PLC-Kinco- k508-40AR
- controller
- Kinco- k533- 04IV card

Advantages:

- Easy transportation
- Searching the light with a sensor
- PLC controlling system
- Monitoring by the inside HMI
- Single axis searching
- Energy Storing in battery
- Controller charge with DC user

Solar System Training Set (Power Case)

This package is a portable training system which can be used to learn about photovoltaic systems for students and professors. It's easily transported and has AD & DC simulator and also can be assembled & de-assembled. With the ability of changing the place of pieces, it's almost one of the best training sets for solar systems.



Weight: 20kg
Serial No.:QV- KINS-PWC

Content:

- Photovoltaic Panel
- Controller charge
- Main battery
- Movement sensor
- lamp LED, 12 VDC, 1.4W
- بیزر (with DC voltage)
- Aluminum bag
- 3 legged stand & projector
- 12VDC inverter to 220VAC
- Fluorescent lamp 220VAC, 6W
- Backup battery (with a white frame)
- Battery charger
- Multi meter

Tests that can be done:

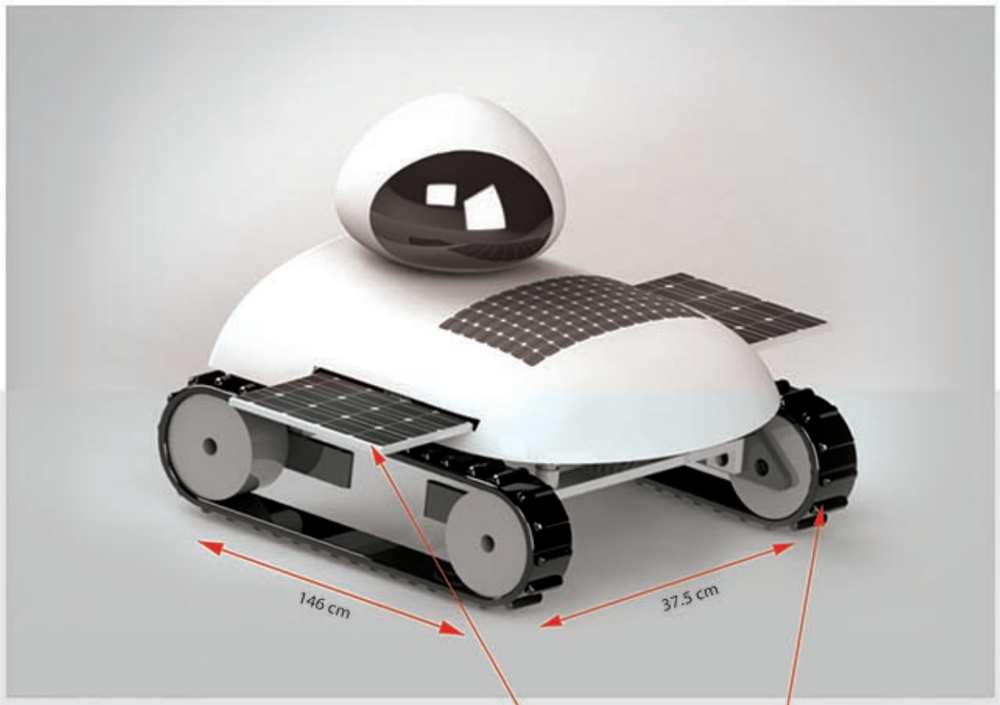
- Solar system simple circuit wirings
- Energy saving in Battery
- Using movement sensor to save and optimization the energy
- Charge controller Using process
- Solar alarm system
- AC & DC electronic simulation

Advantages:

- Easy transportation
- Energy saving in battery
- Charge controller along with DC user
- Ability of assembling and de-assembling pieces

Solar-Robot Training Set

KIN-SR robot is a solar robot which completely provides the needed energy from the environment & also it can share its energy with other robots because of its powerful battery & play the mother role for other robots.
The purpose of its design is to train so that the whole parts of this robot can be controlled by one PC & also you can transport the orders in both ways online. This means that the robot can be controlled by software like MATLAB, LABVIEW or the same known ones.
The primary designed software was written in C# language in windows environment & whole parts of it were designed in software first.
It can be manually & automatically controlled.



Weight:7KG
Serial No.:QV-KIN-SR

Content:

- Central processor
- Servo motor
- motorDC
- sensor
- Sun panel & charge controller
- Wireless data transporter module
- camera
- External USB connecting module

Advantages:

- It has 3 groups of sun panels which are made of smaller panels that are made to provide the needed energy for internal battery.
- Side sun panels can be removed from the robot so they will not be damaged during moving the robot. They also can be removed automatically by the robot itself.
- It has battery charge control not to damage the battery& panels after a long term is gone by. It is also useful for controlling the panels.
- It can be charged by AC power externally.
- The chassis is made of metal so that it can be tight & strong.
- Rails, main joints & chassis are made of aluminum & main body is made of compact plastic
- The whole parts of the robot can be moved by both transmitting simple codes and programming. In default software both exist.

DX-51 Robot Training Set

This robot has 5 freedom degrees. The used joints in this robot are the REVOLUTE JOINT kind and named from J0 to J4. The used motors in this robot are the best kinds of servo motors which are made by KINCO company.

Weight: 5KG
Serial No.:QV-KINR-DX51

Content:

Panel Photovoltaic
Charge controller
Main battery
Movement sensor
lamp LED, 12 VDC, 1.4W
Buzzer (voltage with DC)
Battery charger
3 legged stand & projector
inverter 12VDC to 220VAC
Fluorescent lamp 220VAC, 6W
Back up battery (with white frame)

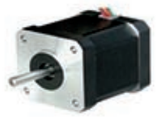
Advantages:

- **joints**

  The used joints in this robot are REVOLUTE JOINT and named J0 to J4.
  Rotation degree in each joint can be changed from 0 to 360°, though it's not necessary for all arms. So in some of the arms there's no need for more than 180°. Therefore the default rotation degree for all of arms in this robot is 180°. Of course JO joint can be promoted to 360°.

- **Motor**

  We can have a combination of servo & stepper motor:
  We can use DC-gearbox motor and encoder:




- **Board**

  The electronic board of this motor is an ARM kind. The board has this ability to control 8 different servo motors indirectly so that all tasks will be done with delay & low speed. Using ARM and because of the PWM channels most part of this problem is solved so that we can use it in a REAL time.
  And also the existing of The Motor Control PWM (MCPWM) which is for controlling AC & DC 3 phase motors, is very beneficial for promoting the board.

- **Software**

  The robot can control with Labview and Matlab Software.

Arm Robot Training Set:

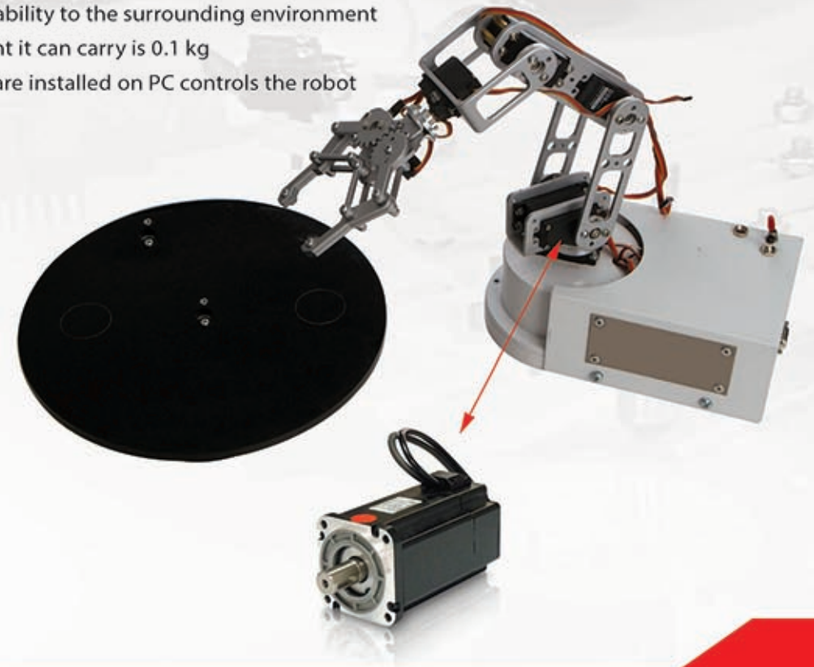
The previous robots where and still are absolutely industrial so they are not appropriate to robotic training & mostly they cause danger to users & also economical damages to owners. But having this robot you can train the industrial principles such as build, program, software, diagnose & etc. to the students.

Content:

- Servo Motor
- Stepper
- Gripper

Advantages:

- 5 Freedom degrees for the gripper
- Ground installation
- (0-45)° of temperature range for highest efficiency
- maximum 0.5 mm of value (changes in each repeat)
- 5 DC & servo motors are used in this robot to provide 5 freedom degrees
- 330 mm useful availability to the surrounding environment
- The maximum weight it can carry is 0.1 kg
- The simulator software installed on PC controls the robot



Weight:2KG
Serial No: QV-KINR254

Palatizer Robot Training Set

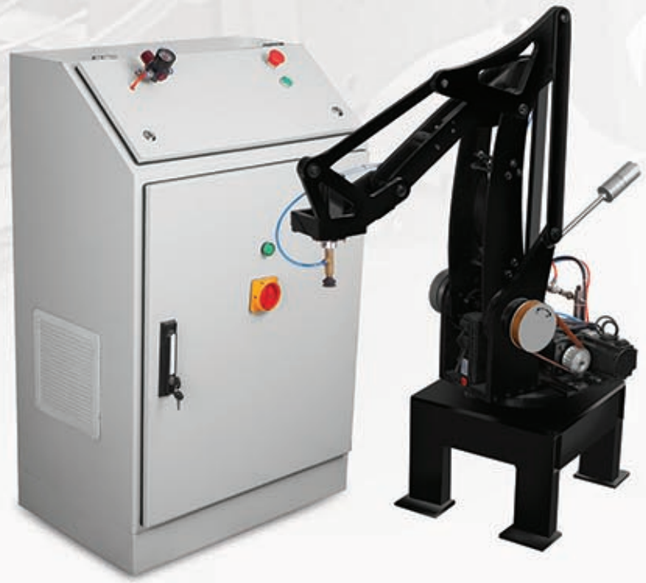
Robots can do a wide range of duties depending on the instruments & equipment installed on them. But considering the international federationrobotic (IFR), 35% industrial robots are doing a job in transporting the materials & parts. Therefore the industrial robot manufacturers decided to design a robot with some special mechanical& controlling options for transportation so that it would be much more complete, economical & useful. One of this new generation of robots is palatizar 4 freedom degrees. So that we decided to design, build & produce this kind of robot to fulfill the need for internal industries.

Content:

- Servo Motor
- Servo Drive
- Type of Cylinders

Advantages:

- 4 freedom degrees
- Ground installation
- 2 mm useful availability to the surrounding environment
- The simulator software installed on PC controls the robot
- The maximum weight it can carry is 40 kg
- maximum 0.1 mm of تکارپذیری value (changes in each repeat) & 0.1 mm accuracy



Weight:70KG
Serial No: QV-KINR-Palatizer

Mechatronic Training Set (2 Stations)

This collection is made of various kinds of electropneumatic strides, pneumatic cylinders, pneumatic gripper, DC gearbox motors, step motor, servo motor, different sensors & etc.
KINCO doesthe controlling part & the whole process can be seen in KINCO monitoring system. The beginning part happens when you push the "start" button & the opposite happens when pushing the "stop" button. (You should know that active/de-active mode can also be controlled on monitoring screen.)

Weight:35KG
Serial No: QV-KIN-MEC-02

Content:

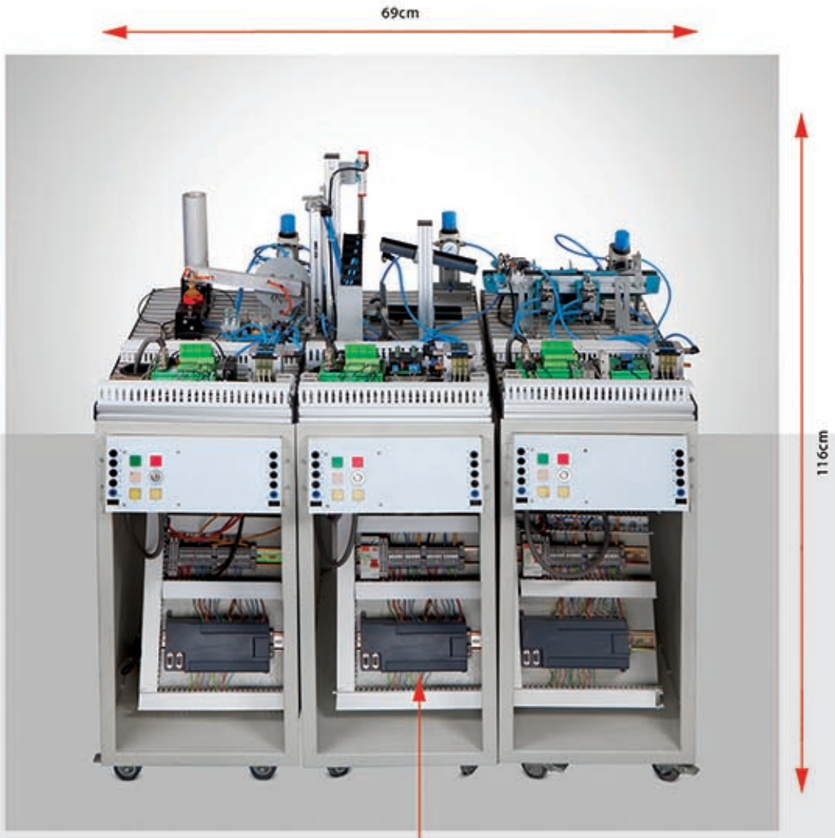
16-bit Industrial	CPU
16/16DO/DI	Expansion Board
4KB	Memory area
265V	Power Supply
Water Proof	HMI

Advantages:

- Easy transportation by the wheels
- Ability to lock the wheels

Mechatronic Training Set (3 Station)

This whole collection is made of various kinds of electronic stride, pneumatic stride, pneumatic gripper, DC gearbox motor, step motor, servo motor & different kinds of sensors.
The controlling part of this whole collection is done by different KINCO controllers. The beginning part starts to happen when you push the "start" button which is placed on control consul in each station & also the opposite for "stop" button.



Weight:50KG
Serial No:QV- KIN-MEC-03

Content:

16-bit Industrial	CPU
16/16DO/DI	Expansion Board
4KB	Memory area
265V	Power Supply

This panel is connected to the PLC

Advantages:

- The height of legs can be changed
- Easy transportation by the wheels
- Ability to lock the wheels

Stations

- **Supply & Distribution Station:** the task of this set is to keep & distribute the part to the next station & also it has to supply the production line. 2 modules exist in this station. The first one "stack magazine" indeed is a reservoir which can expel the parts from the reservoir by a pneumatic jack & give them to the second module. The second one "changer" is a circular mover which moves by a pneumatic motor & takes the part from the exit point of first module & enters it to the next station.

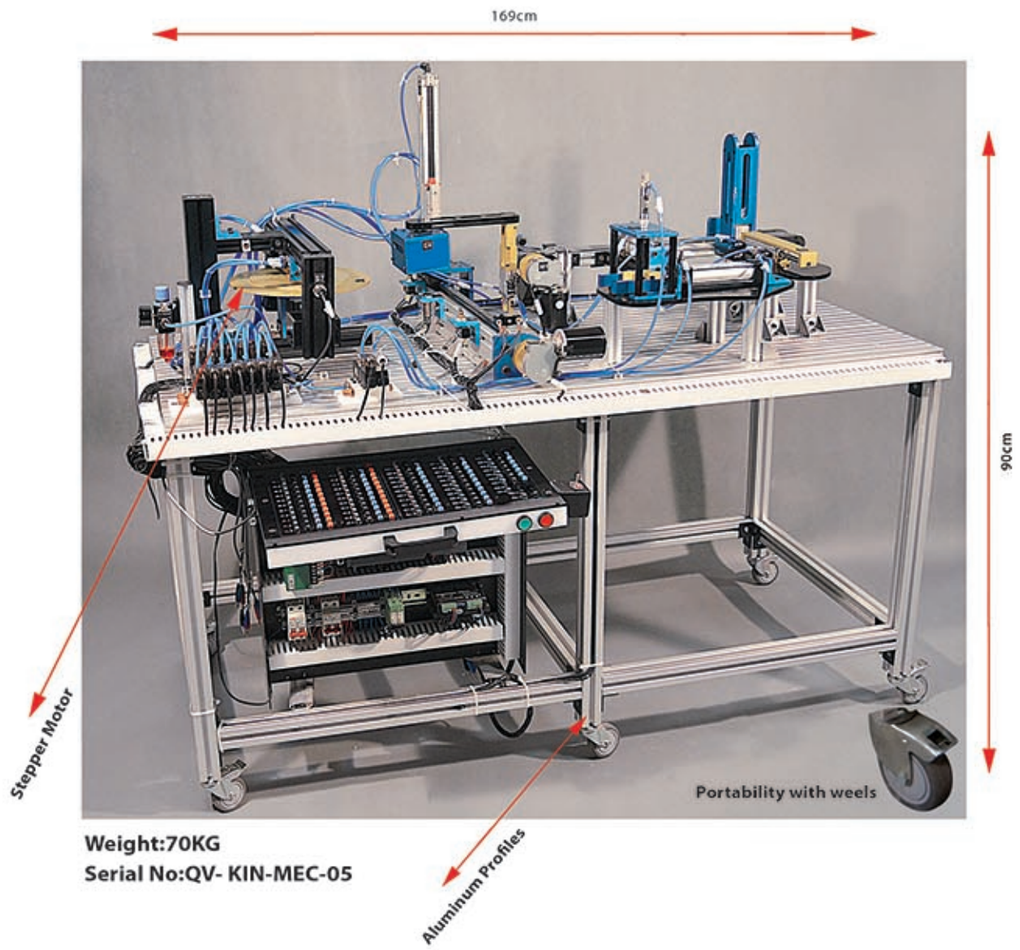
- **testing station:** the task is to measure the height of the part. There are 3 sensors in this station including: optical, inductive. They all have to distinguish & define about whether the part being there or not & also whether the pert being metallic or not.

Stations

- **sorting station:** the task is to separate the parts from each other in production line. A Conveyer has 2 jacks to lead the pieces to the right place & a stopper jack.

Mechatronic Training Set (5 Stations)

The purpose of creating the Mechatronics fields was to train pro men so that they could design, build & control advanced industrial systems. Therefore it's absolutely necessary to train them while they are still in college.
This set is made of 6 different stations to fulfill its purpose which is to train to control electronic instruments, mechanical systems & how they work.
In this set we tried to show various kinds of transportation mechanical methods like systems, pneumatic systems, robots, different kinds of motors, sensors, controllers (PLC) & etc.
This set is a new & more complete version of our 3 station set and also a HMI can be added to the set.
The advantage of materials & sections used in this set & all other sets is that they all can be found & replaced easily so that the lifetime of the set would be much more long.



Weight:70KG
Serial No:QV- KIN-MEC-05

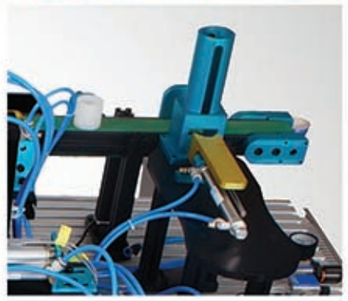
Content:

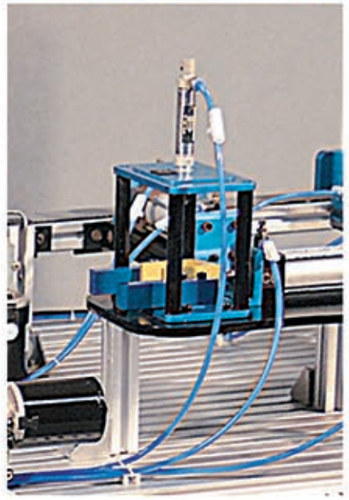
16-bit Industrial	CPU
16/16DO/DI	Expansion Board
4KB	Memory area
265V	Power Supply
	Stepper Motor
	Panel Simulator

Advantages:

- The whole parts are made of aluminum
- The height of legs can be changed
- Easy transportation by the wheels
- Ability to lock the wheels
- Ability to change the size of the table by aluminum profil.
- Ability to change the order of the stations
- Ability to change the process
- Ability to change the speed of the operators

Stations





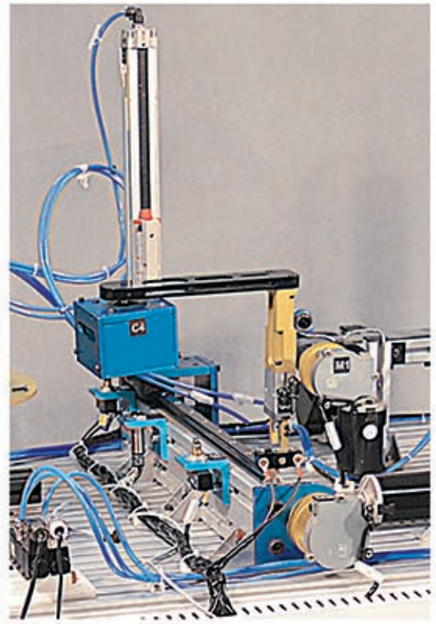
- **Supply Station:**
the task of this set is to keep & distribute the part to the next station which gets started when you push the "start" button and the controlling system begins to work

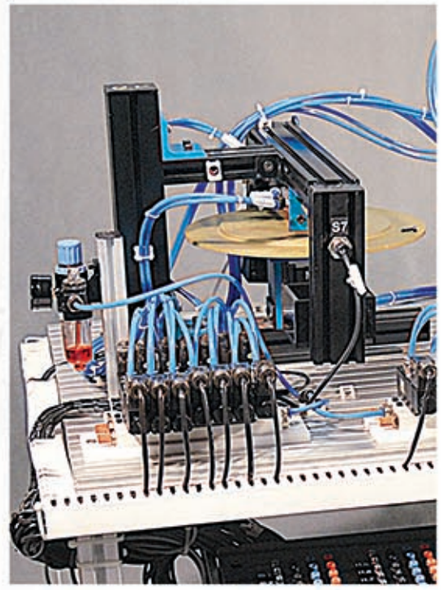
- **Distribution Station:** the actuator is a 12 volt DC motor. There are 2 sensors in this band which are inductive & optic senor. As soon as the First one senses the metallic parts it commands the pneumatic system to separate the part from the line otherwise the part goes to the final part of the band and as soon as the optic sensor senses the metallic part, the optical sensor of the DC motor of the Conveyor "stops" & the part settles in the last part of the band which begins to work when "stop" happens.

- **Press Station:**
This set is made of 2 pneumatic cylinders which the first one has to transport the part in the set & the second one has to press the part.

- **Cartesian station:**
the task is to pick the part up & transport it to the other stations. This robot can move in Z & Y axis which direction in both is linear and X also can move rotational.

- **Montage station:**
the task is to distribute the parts from each other, including one circular plate which with rotating this plate against 2 optic & color distinguisher sensor, the parts are going to be separated from the line.





Mechatronic Training Set (6 Stations)

The purpose of creating the mechatronics fields was to train pro men so that they could design, build & control advanced industrial systems. Therefore it's absolutely necessary to train them while they are still in college. This set is made of 6 different stations to fulfill its purpose which is to train to control electronic instruments, mechanical systems & how they work.

In this set we tried to show various kinds of transportation mechanical methods like pneumatic systems, robots, different kinds of motors, sensors, controllers (PLC) & etc.

This set is a new & more complete version of our 5 station set and also a HMI can be added to the set. The advantage of materials & sections used in this set & all other sets is that they all can be found & replaced easily so that the lifetime of the set would be much more long.

Weight:70KG
Serial No:QV- KIN-MEC-06

Content:

- CPU
- Expansion Board
- Memory area
- Power Supply
- Servo Motor
- Stapper Motor
- Type Of Sensors
- Panel Simulator

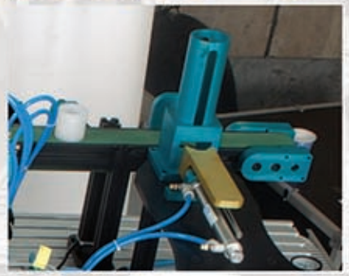
Advantages:

- The whole parts are made of aluminum
- The height of legs can be changed
- Easy transportation by the wheels
- Ability to lock the wheels
- Ability to change the size of the table by aluminum profil.
- Ability to change the order of the stations
- Ability to change the process
- Ability to change the speed of the operators

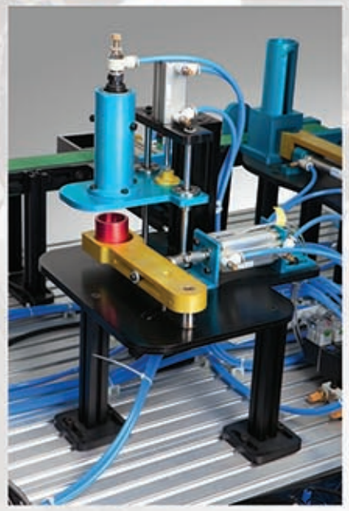
Stations

- **Supply Station:**

Supply station: the task of this set is to keep & distribute the part to the next station which gets started when you push the "start" button and the controlling system begins to work. In this station you can see the distribution by pneumatic cylinder along with a guider which is the first step of this whole set.



- **Distribution Station:** the actuator is a 12 volt DC motor. There are 2 sensors in this band which are inductive & optic senor. As soon as the First one senses the metallic parts it commands the pneumatic system to separate the part from the line otherwise the part goes to the final part of the band and as soon as the optic sensor senses the metallic part, the optical sensor of the DC motor of the conveyer "stops" & the part settles in the last part of the band which begins to work when "stop" happens.

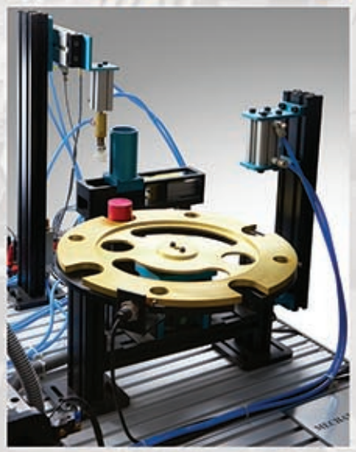


- **Cartesian station:**

the task is to pick the part up & transport it to the other stations. This robot can move in Z & Y axis which direction in both is linear and also can move rotational.

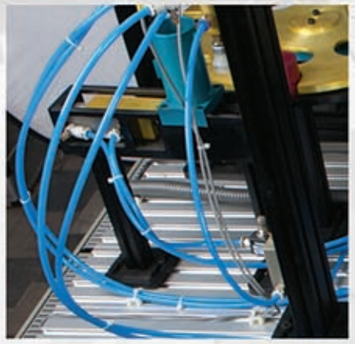
- **Drilling station:**

the part gets to this station by the robot & with changing the linear to rotational movement, the pneumatic cylinder settles in the set & by the pneumatic motor the operation of drilling takes place on the part & to be discharged by the robot.



- **Montage station:**

the task is to press the cap on the main part. The cap comes to the process & by the suction system & with the help of 2shaft cylinder, goes to the circular plate & settles on the main part.

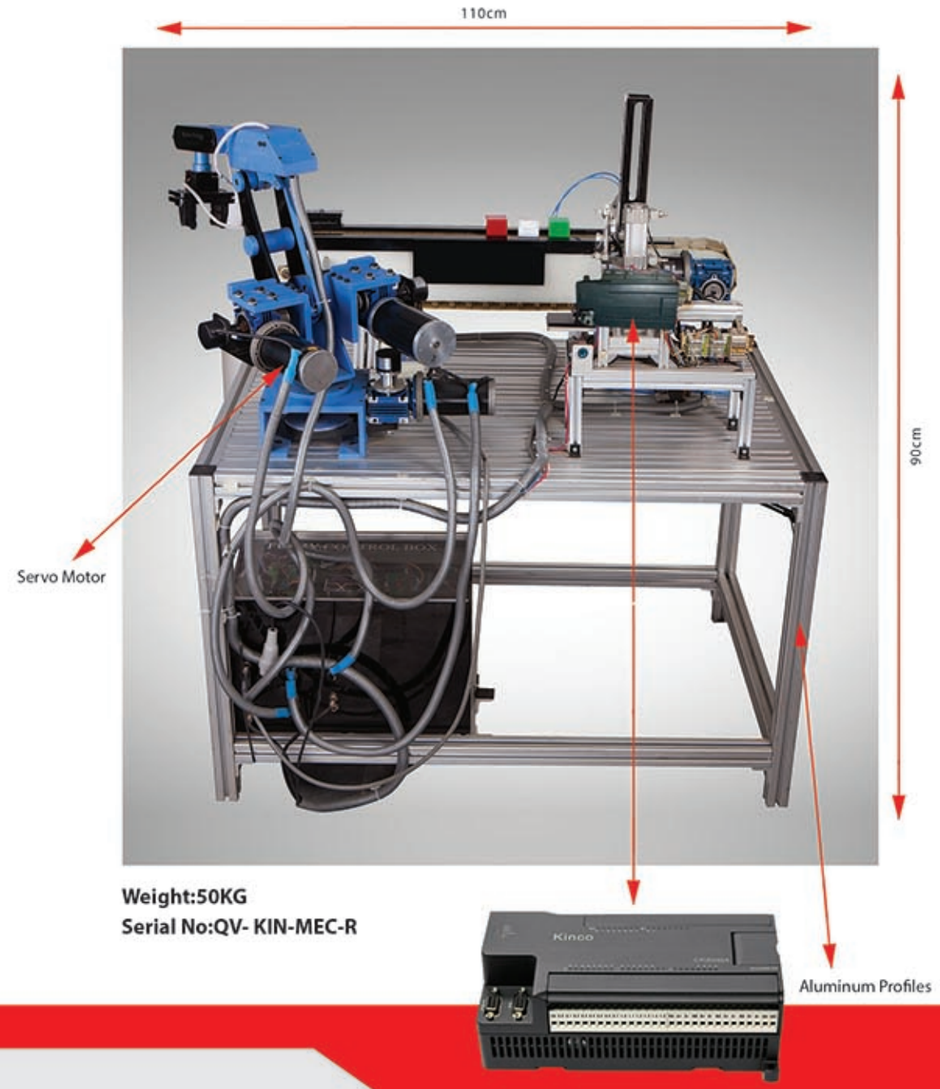


- **Press station:**

to solve the possible objections is the task of this section. If the final cap is not correctly put in the right place, this station makes its place right by the pressing job. This set is made of 2 pneumatic cylinders which the first one has to transport the part in the set & the second one has to press the part.

Mechatronic- Robot Training Set

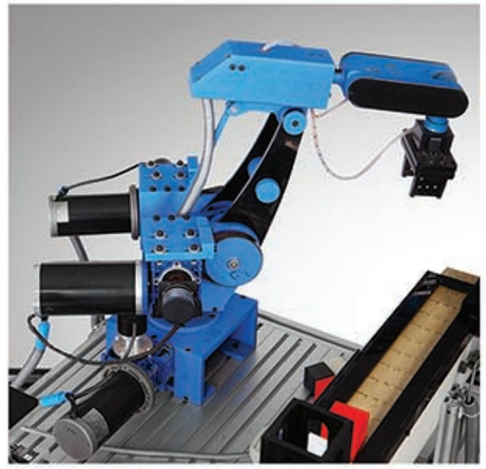
This field is a combination of mechanic, electronic & computer engineering & its purpose is to connect these 3 fields so that advanced systematic controlling would be a lot easier, chipper & more flexible. Therefore all mechatronics students should be able to design, program & build these kinds of advanced systems.
The goal we have achieved during designing & building this set is that we can train programming, electronics, phase control & the operational method of industrial arms. No predefined module is used so you can train programming, controlling & electronics from A to Z. therefore basic concept of servo motors, drives & phase logic would be introduced to students.
The robot is given to the system by central control system (including a few control boards which contain a few CPU, input, output & connection links) & with the help of TP & because the freedom degree is 5°, it can easily move in different directions to get to the final point.



Weight:50KG
Serial No:QV- KIN-MEC-R

Content:

- Motor DC 190w
- Motor DC 250w
- Step Motor
- Servo Motor
- Controller
- Pneumatic Jack
- Magnet Sensor
- Conveyor
- Driver 100V -5A
- Switching Supply Source
- Encoder Shaft
- Optic Sensor
- TP (Teach Pendent)
- Aluminum Table



Advantages:

- The whole set is made of aluminum
- The height of legs can be changed
- Easy transportation by the wheels
- Ability to lock the wheels
- Ability to change the size of the table by aluminum profile.

Pneumatic training set

In this kind of systems using a small amount of power not only you can obtain a precise large amount of power but also can control big output forces.
Using flexible strides turns a pneumatic system to a flexible system which does not have the location limitation for installation that other similar systems have.
These systems have a small amount of friction & do not cost much so they have a large number of efficiency.
Also using safety strides & pressure & temperature switches you can have a system which is resistive against unexpected loads, temperature or pressure. Therefore you have a system with a high reliability.
Structure is made of aluminum & set includes pneumatic & electronic parts.

Weight: 40 KG
Serial No: QV- KIN-PNTA

Content:

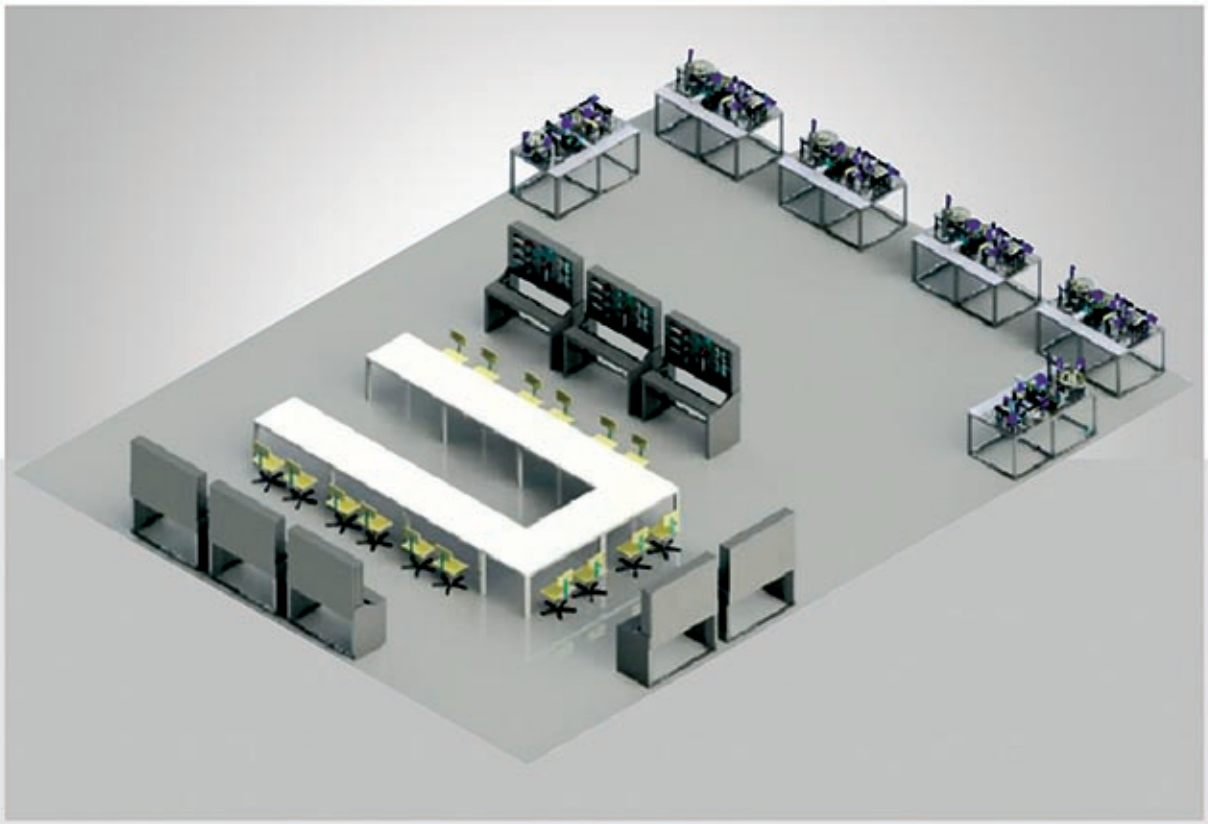
- cylinder
- 2 way magnet 5*3 stride
- 2 way magnet 5*2 stride
- one way magnet 5*2 stride (mechanical actuator)
- Inductive sensor
- Optic sensor
- Micro switch
- Controlling system table PLC
- Flow control stride
- Pneumatic connections
- PLC-kinco- k508
- 10 outputs & 10 inputs

Advantages:

- Simple design
- Easy & precise controlling
- Flexibility
- High efficiency
- Ability to increase the number of inputs & outputs using card
- Using various kinds of pneumatic parts & useful industrial sensors
- Ability to connect to PLC
- Ability to train different kinds of useful sensors in industry
- Ability to train how to control the pneumatic parts
- Ability to change the order of sections in the set so that you can design different circuits
- Ability to train all kind of KINCO PLCs and also another brands of PLC
- Ability to train sensor & electronic stride wirings

Pneumatic&Mechtronic Lab Training

The purpose of the lab is collecting of data with specific user requairments, develop ideas and plan projects based on 3D designs.
Lab Pneumatic and Mechatronic design, including all educational series that have responsibility of teaching different hardware and software.



Advantages:

- Motivation to learn and sustainable learning success
- Didactic diversity and practically oriented training media
- Strong partnerships with industry
- Professional consulting – from the planning stage, all the way up to implementation