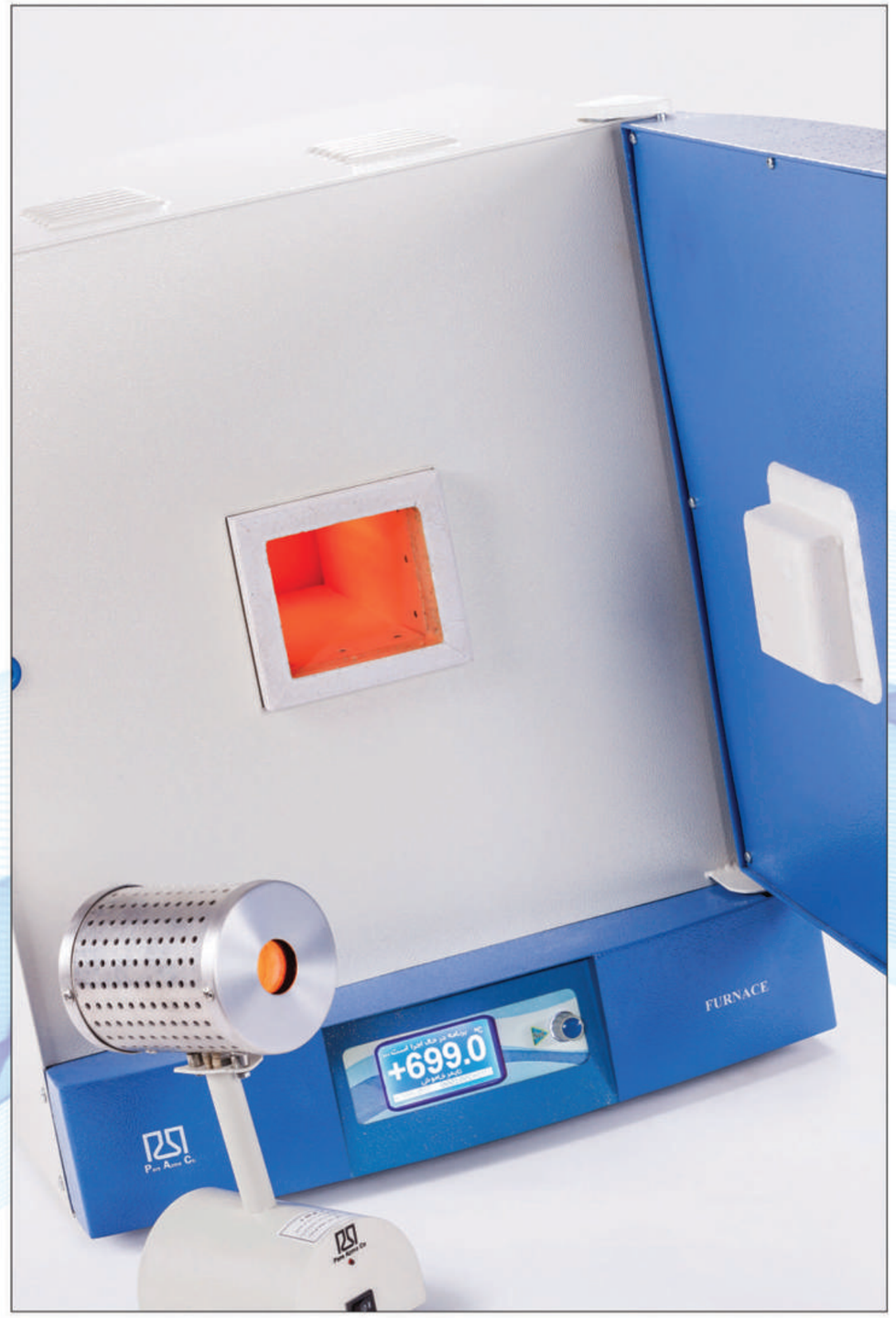
Pars Azma Company started its activities in 1989 and with the approval of Ministry of Industries and Mines and the Ministry of health and Medical Education, establishing the first large factory for production of the laboratory equipment in Iran, in accordance with the international standards.
This factory is based in Isfahan, which is one of the important historical and spectacular cities in the world.
The Pars Azma Company has hired the skillful experts in different departments in accordance with the Enterprise Resource Planning (ERP) to produce products of best quality. This company has an engineering, technical, and an R&D unit whose duty is to obtain the required information on the modern technology advancements from the authentic global resources and use it for design and development, to improve the quality of the products.
The Pars Azma Company also has a production unit. It starts the production process in a way that firstly, the raw material that has been purchased after the assessment and approval, is controlled in terms of quality to be then stored. This raw material is then requested from the warehouse and while being qualitatively controlled, is redelivered to the production unit. The production unit, based on the time schedule and pre-prepared plans by the R&D unit for the product which is going to be produced, prepares the production line and the production is started. During all the production stages, the quality is controlled in all stations by QC authorities who are assigned by the National Standard Organization, and after the final check, the products are packed and delivered to the warehouse, to be used by the commercial unit.
The Pars Azma Co. has a highly equipped laboratory whose duty is to test the designed and produced devices (prototypes) by different tests in accordance with the defined standards, and then deliver them to the production unit for mass production. Moreover, after the production is finished, the final tests are also applied so that the product would comply fully with the defined standards.
This company also has a commercial unit which is based in Tehran, so that it would be able to quickly access all the cities all around the country and its connection with the foreign countries would be also facilitated. Also, this company actively participates in all domestic and international laboratory-related exhibitions. The commercial unit has an office in all the cities of the country as well as in the countries our products are exported to.
This company has an after sales unit whose duty is to provide the respected clients with desired services in the domestic cities and foreign countries. The after sale services are in a way that the sales agent of this company in any countries sends someone to the company to be taught about the after sales services and that person, after passing the training courses in this company, is assigned as the authorized person for the company's services in that country. All products of the company have currently a one-year warranty and 10 years of after sales services and spare parts supply.
This company is the first company in Iran that produces the laboratory equipment, and it has has received international certification ISO 9002 from England, and currently, it has a considerable number of national and international certificates. It is the first laboratory equipment manufacturer in Iran which has managed to establish commercial relationships with the credible countries all over the world and export its products to a significant number of countries. It has also managed to participate in many international expositions and in this regard, due to provision of high-tech and high quality products, it has been very successful and grabbed the attention of different companies all over the world.
This company obtains its raw material from the authentic countries in the world such as Germany, Japan, Korea, etc.
The Pars Azma Co. believe that its success depends on the complete satisfaction of our dear customers.
Therefore, the company would put all its efforts in this regard, so that all our dear customers would be satisfied with the products and the personnel.
Best Wishes

The Quality Policy of the Pars Azma Co.



ParsAzmaCo.
LABORATORY EQUIPMENT

The Quality Policy of the Pars Azma Co.

The Pars Azma Co. (Limited) produces different types of laboratory equipment and it is committed to observance of the quality per required by the demands and needs of the customer. The main objective and policy of this company is to try to provide appropriate products with high quality as intended by the customers. In this regard, the constant improvement has been considered as the main axis for maintaining and increasing the customers' trust.

It has founded its managerial system based on the B485 standard and ISO standards, and is committed to maintain and continue this system. It will always consider the following principles to realize the above objectives:

- Constant planning for implementation of the corrective and preventive measures related to the constant quality management system
- Paying attention to the all-out preservation of the manpower as the most valuable capital of the company through proper organization, targeted trainings, and creation of an optimal working environment
- Achievement of higher quality of products through proper raw material
- Maintenance and promotion of the domestic market position and putting efforts to obtain a share of the global market
- Obtaining the customers satisfaction and trust through preservation of close and constant relationships with them
- Provision of high quality products and after sales services and establishment of controlled relationship with the supplier
- Maintenance, continuance, and increase in the production

Clearly, the above-mentioned objectives are achievable only in the shade of efforts, collaboration, and consultation with the committed co-workers. Therefore, the company manager expects all the co-workers to put all their efforts to achieve the intended goals while closely collaborating with the manager representative in the system.

Yousef Jalili, CEO.

The Collaborative Laboratory's Policy

The laboratory of the Pars Azma Co. follows and implements the laboratory quality management system based on ISIRI/IEC 17025:2017 standard to promote the quality of the testing services provided for the inter and intra-organizational customers. This laboratory shows its customers the reliability of the results and provides them with tracking the test data through provision of high quality laboratory services and the use of appropriate and optimal professional procedure and the international, regional, and national standards.

In this regard, the company has tried to achieve the following goals:

- Increasing the customer satisfaction as the most important factor in undertaking the laboratory activities
- Promotion of the scientific level, technical awareness, and motivation in the laboratory employees through provision of effective and continuous training
- Doing the tests based on the up-to-date national standards and the needs of the customers in the shortest time
- Quality assurance of the test results and creation of the continuous improvement in all laboratory activities and procedures through statistically controlling the processes
- Creation and expansion of the intra-organizational collaborations to increase the quality of the services
- Observance of the organizational, national, and international regulations in the laboratory activities
- Commitment to the trustworthiness and protection of the customers' information and assets
- Preservation of autonomy and impartiality of the laboratory in preparation and announcement of the tests results
- Observance of the environmental regulations and safety principles

The senior managers of the laboratory also consider themselves committed to meet the requirements of this standard and improve the effectiveness of laboratory quality management system and put their efforts to take steps to promote the test services quality provided to the customers through proper professional actions, and also expect all the employees to, besides observance of all regulations in other laboratory quality system document and awareness of the items related to their working field, collaborate in implementing this system.

Yousef Jalili, CEO.

Products:

Different types of germinators

Different types of LED lamps testers

Different types of double and multi-pane windows tester

Different types of centrifuge and serofuge

Different types of platelet shakers

Different types of incubators

Different types of incubators CO_2

Different types of ovens

Different types of Vacuum ovens

Different types of hoods

Different types of water baths

Different types of rotators

Different types of mixers

Different types of laboratory Furnaces

Different types of water distillers

Different types of mixers and shakers

Different types of hot plates

C.E. device (multi-tester)

Stabilizer device

Standard Laboratory Services:

- Co-laboratory of National Standard Organization

The Factory:

- Engineering, Design, and Development unit
- Metal Sheet unit
- Washing and painting unit
- Montage unit
- Laboratory and QC unit
- Packing unit
- Lab. Furniture unit

Resume:

- Certificates

ParsAzmaCo.
LABORATORY EQUIPMENT

Climate chamber

Different Chambers:

The germinator or growth chamber prepares the environment in which the items such as the light, humidity, and temperature are under a controlled condition, so that the optimal conditions for medicinal stability testing in the medicinal germinators and the seeds germination in the herbal germinators can be obtained.

The herbal and medicinal germinators, with smart regulation of the O_2 and CO_2 gases, provide a controlled and bacteria-free environment for cultivating the cells and tissues. This device, having the equipment to regulate the temperature, humidity, and oxygen and CO_2 amount, as well as simulation of day/night cycle, provides a specific condition for a specified process. The size and applications of this device vary, and it has many facilities which are appropriate for the cellular and microbial tests and experiments. This device is used for experiments in the fields of microbiology, cell and microbial biology for cell and bacterial culture, hematology, biochemical research, genetic research, pharmaceutical and food products and poultry industry.

The general specifications of these devices are:

- Stainless-steel internal chamber
- Electric thermal element and German-made cooling system
- The device's body is made of steel sheets covered by a highly resistive electrostatic epoxy coating
- The device has a very high-tech and a very precise digital controller (microprocessor) which is programmable
- Movable trays
- Glass interior door
- Kelvin LED lamps with 2700 to 6500 Lux lighting for the herbal germinator (sunlight simulator)
- Ordinary LED lamps for the medicinal germinator
- Humidity and temperature generation and control system
- Having an 8-GB internal storage for saving the information up to ten years in 15-min intervals both in the graphical and numerical forms
- The possibility of reporting, observing, and printing all the saved data in the device memory
- Electronic lock for the door and menu
- Protected password to prevent access by unauthorized users
- Having a USB port for creating backup and connecting the accessories such as the mouse and keyboard
- Connection through the Ethernet port and Wi-Fi for remote access through the internet and Any Desk software
- Having different user-friendly gadgets for programming different laboratory conditions and precise reporting of the tests results
- Programmability of the cold, hot, and day/night environmental conditions
- Unlimited definability of the program
- Using ARM microcontrollers
- Circulation fan with speed adjustability
- Using new and precise digital output sensors
- Locking the controller to prevent accidental changes
- PID controller to control the temperature and humidity
- Controller with three 100-step programs
- Separate safety sensor to ensure the device temperature
- Separate mechanical thermostat based on DIN12280 Class 3.3 Standard (TWW)
- No need to install driver
- Internal storage to record the amounts of temperature, humidity, and fan speed up to 10 years\
- Recording the values based on GMP and GLP standards
- Demonstration of the temperature and humidity graph on the LCD display
- High durability due to the use of LED lamps instead of fluorescent lamps
- The possibility of setting the light spectrum (cool white, warm white, floura)

Technical Details

Device name	Model (code)	Exterior dimensions L*W*H	Interior dimensions L*W*H	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (L)	Temperature interval (°C)
Herbal Germinator	C.H.H	100*80*127	70*65*60	140	220	50	1320	6	300	-10 to 70
Medicinal Germinator	C.H.M	100*80*127	70*65*60	140	220	50	1320	6	300	-10 to 70

ParsAzmaCo.
LABORATORY EQUIPMENT

L.E.D Lamp Tester

The L.E.D lamp tester is a device used to test the lifetime of L.E.D lamps in a given temperature

The general specifications of the device are:

- Body made of steel sheets coated by epoxy electrostatic coating
- Stainless steel internal chambers
- Air circulation system for the uniformity of all the interior angles of the chamber
- The device door and the space between the interior and exterior wall has been insulated by specific insulation materials which lack any side effects, to prevent loss of temperature inside the device and also save electricity
- The door strip which has been used to maintain the temperature is made of anti-heat and acid material silicon
- A high-grade heat electric element (German) is installed inside this device in a way it does not touch the interior chamber's wall and consequently, the chamber would not be deformed, and it would be easier to access and change it
- With electric thermal element shielding system
- A compressor made by Danfoss (Germany) has been used in the cooling system

Technical Details

Device name	Model (code)	Exterior dimensions L*W*H	Interior dimensions L*W*H	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (Lamps)	Temperature interval (°C)
LED lamp duration tester	K.L.D	75*67*186	52*52*63	86	220	50	1500	6/8	30	UP to +80

L.E.D Lamp Accelerated Temperatures Cycling Tester

The general specifications of the device are:

- Body made of steel sheets coated by epoxy electrostatic coating
- Internal chambers made of stainless steel
- Air circulation system for the uniformity of all the interior angles of the chamber
- The device door and the space between the interior and exterior walls has been insulated by specific insulation materials which lack any side effects, to prevent loss of temperature inside the device and also save electricity
- The door strip which has been used to maintain the temperature is made of anti-heat and acid material silicon
- A high-grade electric heating element (German-made) is installed inside this device in a way it does not touch the interior chamber's wall and consequently, the chamber would not be deformed, and it would be easier to access and change it
- Electric thermal element shielding system

Technical Details

Device name	Model (code)	Exterior dimensions L*W*H	Interior dimensions L*W*H	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (Lamps)	Temperature interval (°C)
LED lamp temperatures cycling tester	A.L.D	83*67*197	52*52*63	120	220	50	1800	8/2	30	-20 to 80

Humidity chamber

The germinator or growth chamber prepares the environment in which the items such as the light, humidity, and temperature are under a controlled condition, so that the optimal conditions for medicinal stability testing in the medicinal germinators and the seeds germination in the herbal germinators can be obtained.

This device is used to test the resistant against highly humid environments and durability and stability of the double or multi-pane glasses.

The general specifications of these devices are:

- Interior body made of stainless steel/aluminum with polyurethane foam insulation between the interior andexterior surfaces of the device to minimize the energy consumption
- Internal air circulation system for the uniformity of the temperature and humidity
- Heat creation system through electrical fan heaters
- A specific humidifier to provide the needed humidity
- Test chamber temperature control system with a precision of ±1 Celsius
- A computerized system of data acquisition (Data logger) and measured information processing related to the relative humidity of the chamber and its temperature with a recording software and drawing the temperature and humidity changes curve and possibility of filing and reporting

Technical Details

Device name	Model (code)	Exterior dimensions L*W*H	Interior dimensions L*W*H	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (number)	Temperature interval (°C)
Humidity chamber	E.Q007	108*80*180	90*70*95	120	220	50	1300	5/9	48	-10 to 70

Frost Point Tester

The frost point tester is a device used to determine the frost point in double or multi-pane laboratories. It tests the amount of humidity in the air space between the double or multi-pane glasses.

The general specifications of the device are:

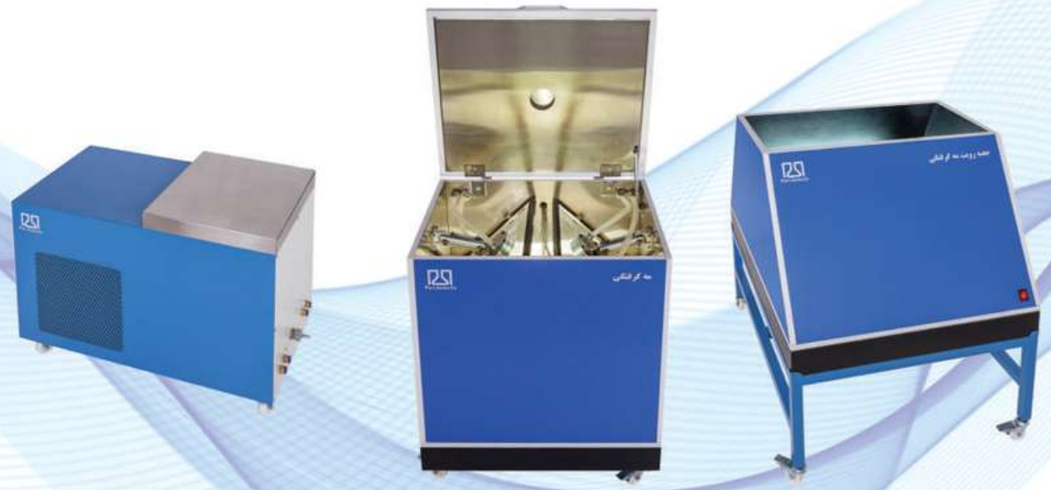
- Connected pillar and chamber
- A structure to put the glass specimen on the cold disk (Korean electronic parts)
- A system for creation and regulation of the cold surface temperature up to -50 Celsius with an increment of 5 degrees by the condensed cooling system with a specific condenser to reach very low temperatures (compressor made by Danfoss)
- Specific evaporator and the cold disk coated by a specific insulation

Technical Details

Device name	Model (code)	Exterior dimensions L*W*H	The copper circle diameter (cm)	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (number)	Temperature interval (°C)
Frost point	E.Q010	52*50*70	2/5	35	220	50	660	3	1	Ambient to -50
Frost point box	E.Q01001	69*35*90	-	12	220	50	20	0/01	1	-

Fogging Test Equipment:

Fogging equipment is a laboratory device used for fogging test in the double or multi-pane glass laboratories and for easier observation of the sediments or darkening of the interior surface of the double or multi-pane glasses.



The general specifications of the device are:

- Air circulation system for uniformity of the temperature
- A condensed cooling system with secondary water exchanger (compressor made by Danfoss)
- Temperature control system for the cold surface connected to the test
- UV SUN LAMP with the light spectrum defined in the standard (made by OSRAM in Germany)

Technical Details

Device name	Model (code)	Exterior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (number)	Temperature interval (°C)
Fogging tester	E.Q009	63*54*75	40	220	50	400	1/8	2	52 to 58
Chiller	E.Q00901	85*45*55	45	220	50	180	0/8	0	-
Fogging vision box	E.Q00902	90*70*90	35	220	50	90	0/4	1	0/36

Accelerated Weather Cycling Tester:

The accelerated weather cycling tester is used to test the durability and stability of the double-pane glasses. It consists of units, in each a double or multi-pane glass is mounted in a way that from one side it is exposed to the laboratory environment temperature and from the other side, along with the thickness of the glass collection, it is in contact with the created weather conditions.

The general specifications of these devices are:

--Body made of stainless steel/aluminum with polyurethane foam coating on the walls
- Glass holders made of UPVC
- Closed air circulation system for uniformity of the temperature and humidity
- A specific circuit for humidity transference from the humidifier with lowest loss
- Heat creation system with electric fan heaters
- Testing chamber temperature control system with a precision of ±1 Celsius
- Temperature decrease system through condensed cooling system by the use of a compressor made by Danfoss
- A computerized control and data acquisition system with PID controller to create temperature changes with a slope specified by 8522 National Standard and processing the measured information related to the relative humidity of the chamber and its temperature with a recording software and drawing the temperature and humidity curve with the possibility of filing and reporting

Technical Details

Device name	Model (code)	Exterior dimensions	Humidity percentage	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (number)	Temperature interval (°C)
Accelerated Weather Cycling Tester	E.Q008	238*215*250	90-100	540	220	50	3100	14	24	-18 to 55

The Integrated Controller System:

This integrated controller is used in the laboratories to control the double or multi-pane testers.

Technical Details

Device name	Model (code)	Exterior dimensions	Interior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)
Controller	E.Q 012	65*55*130	60*50*120	63	220	50	300	1/3

The general specifications of these devices are:

- The body made of 16mm thick MDF
- Having a full desktop computer
- Having a control board
- The control board body made of steel sheets and coated by electrostatic epoxy coating

ParsAzmaCo.
LABORATORY EQUIPMENT

- 8-36 tubes universal Centrifuge
- Special-bucket 50cc Centrifuge
- Especial Centrifuge for Falcon tubes
- Refrigerated Centrifuge
- Micro Hematocrit Centrifuge
- High-speed Centrifuges (up to 20000rpm)
- Microtube Centrifuge
- Microtube Refrigerated Centrifuge
- Milk Centrifuge
- P.R.P Centrifuge
- Centrifuge Serofuge

The centrifuge is a device used for centrifugation of the materials with high speed. The centrifugal force generated in this device separates the materials from each other. The centrifuges are used for general purposes in the medical diagnostic, chemical, physical, and other laboratories.
The P.R.P type is used for preparation of the platelet products with the enriched plasma method to be used for skin rejuvenation and treatment of the hair loss in the skin care clinics and the specialized skin and hair hospitals. The microhematocrit centrifuge is used to diagnose the patient blood hematocrit (measure) in the medical diagnostic laboratories.

The serofuges are used in blood transfer centers laboratories, biological laboratories, and medical diagnostic laboratories, which have blood bank, as well as the laboratories that do the P.T.T and P.T tests and milk centrifuge in the dairy product laboratories.

Technical Details

Device name	Model (code)	Interior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (ml)	Highest speed (rpm)
Universal centrifuge	D.G.T 8	39/5*42*32	17/5	220	50	250	1/13	8*10	4000
	And...	This product is manufactured in 8 to 36 Places							
Special -bucket 50cc centrifuge	D.G.X16d	49*44*32/5	140	220	50	400	1/8	16*15	4000
Special centrifuge for Falcon Tubes	D.G.T16b	49*44*32/5	140	220	50	330	1/5	16*15	4000

The General specifications of the devices are:

- The body made of steel sheets and electrostatic epoxy coating
- Speed controller and digital timer (microprocessor for intelligent devices)
- Having a cooling system for improvement of the electromotor life
- Silent performance
- Having a safety system to prevent rotor rotation when the device's door is open
- Having 8 adjustable memories for different speeds and timing of intelligent devices
- Setting the RPM and RCF for intelligent devices
- Automatic door opener for the intelligent devices
- The intelligent identification of rotor imbalance for the intelligent devices
- Capability of setting the slope of reduction or increasing the rotor speed for the intelligent devices
- Rotor weight identification system for fixation of the speed in intelligent devices
- Temperature reduction up to -4 centigrade for the refrigerated devices
- German-made Danfoss compressor for the refrigerated devices

Technical Details

Device name	Model (code)	Exterior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (L)	Highest speed (rpm)
Refrigerated centrifuge	D.G.T 24 r	70*46*33	140	220	50	880	4	24*15	4000
Micro Refrigerated Centrifuge	M.L25r	60*34*34	140	220	50	440	2	20	15000
Microtube Centrifuge	M.L 24	31*30*25	140	220	50	280	1/27	20	15000
Milk Centrifuge	K.H 24	38*38*38	140	220	50	450	2	12	14000
Micro Hematocrit Centrifuge	P.M 24	32*30*25	140	220	50	280	1/27	24	12000
P.R.P Centrifuge	S.H 13	46/5*43*31	140	220	50	450	2	8 (4*6+4*15)	4000
	This device is also manufactured in 4*20, 12*12, and 8*6 capacities								
Serofuge	K.H 51	34*32*25	140	220	50	250	1/13	18*10	3000
Serofuge	K.H 52	45*40*30	140	220	50	250	1/13	24*10	3000

The blood platelet incubator is a laboratory device which is used in blood laboratories and bold banks of the hospitals and research centers to store the blood platelets. It is produced in basket and agitator types for loading the platelets.

Technical Details

Device name	Model (code)	Exterior dimensions	Interior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (L)	Temperature interval (°C)
Herbal Germinator	C.H.H	100*80*127	70*65*60	140	220	50	1320	6	300	-10 to 70
Medicinal Germinator	C.H.M	100*80*127	70*65*60	140	220	50	1320	6	300	-10 to 70

The General specifications of the devices are:

- The body made of steel sheets and electrostatic epoxy coating
- Speed controller and digital timer (microprocessor for intelligent devices)
- Having a cooling system for improvement of the electromotor life
- Silent performance
- Having a safety system to prevent rotor rotation when the device's door is open
- Having 8 adjustable memories for different speeds and timing of intelligent devices
- Setting the RPM and RCF for intelligent devices
- Automatic door opener for the intelligent devices
- The intelligent identification of rotor imbalance for the intelligent devices
- Capability of setting the slope of reduction or increasing the rotor speed for the intelligent devices
- Rotor weight identification system for fixation of the speed in intelligent devices
- Temperature reduction up to -4 centigrade for the refrigerated devices
- German-made Danfoss compressor for the refrigerated devices

This device is produced in different capacities per required by the customer.

Platelet Agitators:

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LABORATORY EQUIPMENT

Co2 incubator

Incubator of co2, provides a controlled and free from bacteria medium that is used for cell and tissue culture. This device with its equipment could setting up the temperature , humidity , o2 and co2, would prepar a special condition for definite process.size and applications of this devaice is various with lots of facilities that could be used for cellular and microbial experiments , also these facilities are suitable for investigation in the field such as bacteriology , cell and microbial biology in order to used in cell and bactria culture, geology, biochemical research, genetic research , pharmaceutical and food products and poultry industries.

General specifications of co2 incubator are as follows:

Tempreture fluctuation: + 0 4 degree for 37 Degrees Celsius
humidity sensor inside the device
8Gb of internal memory for storing data as numerical and trends
with 15 min intervals until 10 years.
With electronic lock and encrypted menu for avoiding unauthorised access.
With Moving floors.
safety thermostat to prevent sample destruction .

Technical Details

Device name	Model (code)	Exterior dimensions L*W*H	Interior dimensions L*W*H	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (L)	Temperature interval (°C)	Co2 gas Accuracy
CO_2 incubator	C.H.H	76*61*102	49*43*58	92	220	50	660	3	120	Ambient - 50	±1/0

ParsAzmaCo.
LABORATORY EQUIPMENT

- The standard and intelligent incubators in different sizes
- Shaker incubator
- Cool & Hot incubator
- Cool & Hot Shaker Incubator

The incubators are used for bacteria cultivation and other laboratory tasks in the laboratories. It is produced in two types as customizable (intelligent) and standard.

The general specifications of the devices are:

- The body is made of steel sheets and epoxy electrostatic coating
- Stainless steel Interior chamber
- Movable trays
- Glass interior door
- Air circulation for leveling the temperature out in all angles
- Having a protective system that turns the device off in case of any problems in the controller system, so that the specimen and the device would not be damaged
- The rotational, rocker, or linear shaker per required by the customer
- The audiovisual alarm system for movement stoppage
- Anti-frost system
- German-made Danfoss compressor for the refrigerated incubators
- Automatic resumption after power cut
- ±0.1 centigrade temperature precision
- Adjustable timer
- Adjustable single-memory temperature and time controller (for the standard devices), slope, and 12 adjustable memories (for the customizable devices) to be used in different temperatures and periods

Technical Details

Device name	Model (code)	Exterior dimensions L*W*H	Interior dimensions L*W*H	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (L)	Temperature interval (°C)
Standard 25-liter	25L	57*44*54	29*31*29	30	220	50	300	1/36	25	Ambient to 70
Intelligent 55-liter	55L.M	57*49*68	42*31*42	37	220	50	300	1/36	55	Ambient to 70
Standard 85-liter	85L	67*49*78	52*31*52	47	220	50	400	1/82	85	Ambient to 70
Intelligent 100-liter	100LM	72*49*84	57*31*57	56	220	50	600	2/73	100	Ambient to 70
Shaker	A.R 81	58*49*66	39*38*39	40	220	50	300	1/36	55	Ambient to 70
Cool & Hot	A J 24	62*60*82	48*35*35	75	220	50	300	1/36	55	-30 to 70
Cool & Hot shaker	A.J 25	62*60*92	48*35*35	80	220	50	300	1/36	55	-30 to 70

ParsAzmaCo.
LABORATORY EQUIPMENT

- The standard and intelligent incubators in different sizes
- Shaker incubator
- Cool & Hot incubator
- Cool & Hot Shaker Incubator

Oven is device for sterilizing, drying, and testing the laboratory specimens in different laboratories. It can be ordered in standard and customizable (intelligent) types.

The general specifications of the device are:

- Body made of steel sheets coated by epoxy electrostatic coating
- Stainless steel internal chamber
- Movable trays
- Air circulation for the uniformity of air in all angles inside the chamber
- Having a protective system which turns the device off in case of any problems in controller, so that the device and the specimen would not be damaged
- Working temperature up to 200 centigrade and above for the custom model
- Automatic resumption after power cut
- Adjustable timer
- ±0.5 centigrade temperature precision
- Adjustable single-memory temperature and time controller (for the standard devices), slope and 12 adjustable memories (for the customizable devices) to be used in different temperatures and periods

Technical Details

Device name	Model (code)	Exterior dimensions	Interior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (L)	Temperature interval (°C)
Standard 25-liter	KJ25	58*44*56	29*31*29	30	220	50	500	2/3	25	Ambient to 200
Intelligent 55-liter	K.M 55	60*57*67	42*31*42	37	220	50	1000	4/5	55	Ambient to 200
Standard 85-liter	K.J 85	67*60*78	52*31*52	47	220	50	1000	4/5	85	Ambient to 200
Intelligent 100-liter	K.M100	72*60*84	57*31*57	56	220	50	1000	4/5	100	Ambient to 200

The only differences are the size, capacity, and number of trays

ParsAzmaCo.
LABORATORY EQUIPMENT

Vacuum oven

Vacuum oven or vacuum dryer is a chamber in which the drying operation is performed and in pharmaceutical Industries they call it vacuum oven.
We use vacuum oven because in the absence of air and other gases the heat losses are reduced and Sources of pollution will be lost.
Vacuum oven have a pump that is mounted beside or under the device and is used for air suction and Createing a vacuum.

The devaice has advanced and digital precise controller.
The inner wall of the device is made of stainless steel sheet and exterior wall made of steel sheet. Suitable materials are used for thermal insulation and the body of the device is painted with a strong electrostatic paint. Device has equipped with moving floors and Insulated door.
Latch on and hinge of the door designed and made to fit the device. Device has end process alarm .
At the beginning of process all the elements of device are tested and if there is problem the oprator will notified.
The ambient temperature is constantly controlled ,If the problem occurs, the heater will be disconnected and Alerts the operator with alarms.
We use safety thermostat for preventing temperature rise in device.
All electrical and electronic components that used in vacuum oven are one of the global brands and have international standards.

Technical Details

Device name	Model (code)	Exterior dimensions L*W*H	Interior dimensions L*W*H	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (L)	Temperature interval (°C)
Vacuum oven	K.V 60	58*65*82	39/5*40*40	85	220	50	1975	9	60	Ambient to +200

General specifications of co2 incubator are as follows:

The devaice has advanced and digital precise controller.
The inner wall of the device is made of stainless steel sheet and exterior wall made of steel sheet. Suitable materials are used for thermal insulation and the body of the device is painted with a strong electrostatic paint. Device has equipped with moving floors and Insulated door.
Latch on and hinge of the door designed and made to fit the device. Device has end process alarm .
At the beginning of process all the elements of device are tested and if there is problem the oprator will notified.
The ambient temperature is constantly controlled ,If the problem occurs, the heater will be disconnected and Alerts the operator with alarms.
We use safety thermostat for preventing temperature rise in device.
All electrical and electronic components that used in vacuum oven are one of the global brands and have international standards.

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LABORATORY EQUIPMENT

Different Types of Hoods:

- Metal Fume Hood
- Wooden Fume Hood
- Pathology Hood
- Laminar Hood
- P.C.R Workstation

These devices are designed and produced to be used in the medical diagnostic laboratories, and medical, research, and academic centers. They are mainly used in the laboratories in which toxic pollutants are produced as well as those which need ultraviolet light. It is a type of aspirator or ventilator whose duty is to direct all the pollutants and toxic steams outside the laboratory environment, so that the air would be clean and pollutant-free. Besides protecting the personnel health, it also protects the laboratory specimens against pollutants.

What is important of note in using the pathology hoods made be Pars Azma Co. is the fan or air ventilator whose duty is to direct all the pollutants and toxic steams outside the laboratory environment, so that the air would be clean and pollutant-free. Besides protecting the personnel health, it also protects the laboratory specimens against pollutants.

General specifications of the chemical hoods:

- Body made of steel sheets and coated by epoxy electrostatic coating for the metal fume hoods
- MDF body for the wooden fume hoods
- Antirust stainless steel chamber floor
- Water tap and gas valve, and cup sink
- Fluorescent lighting
- Glass security rail door with electric remote control
- UV lamp ready per required by the customer
- Anti-acid fan can be installed per required by the customer

The pathology hood is used in the laboratories for testing the molecules, cells, tissues, live organisms function, evaluation of the liquids, and extraction of other specimen from the body such as: urine, blood, feces, visible specimen (flesh, cyst), cancer cells, etc. by the pathologists and other physicians.

General specifications of the pathology hood:

- Interior dimensions can be customized per customer requirement
- Stainless steel body with electrostatic coating
- Chamber walls and floor made of stainless steel
- Stainless steel sink (installed on the right side of chamber)
- Two UV lamps (installed inside the chamber)
- Movable halogen lamp for better concentration and view of the specimen
- Possibility of installing fan and active carbon filter for observance of the hygiene and environment safety per required by the customer (with price determination)
- Glass security rail door with electric remote control as a guard between the operator and the chamber
- Water tap and nozzle (shower type) with pedal electric controller to avoid using the hand for controlling the water stream
- Lifeguard fuse for more safety while using the device
- Microprocessor controller system (customizable)
- Earth system to connect the device to the earth for higher safety

Technical Details

Device name	Model (code)	Exterior dimensions L*W*H	Interior dimensions L*W*H	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	UV lamp power (W)	Aeration volume (M3/h)
Metal fume hood	HO02-SH	120*70*220	118*68*103	110	220	50	250	1/14	20	1500
Wooden fume hood	H.WF 180	150*90*225	130*75*120	350	220	50	250	1/14	20	1500
Pathology hood	H.P 150	150*80*210	146*63*105	105	220	50	250	1/14	20	1500
Custom	In different standard sizes and dimensions									

The laminar hood device is designed and produced to be used in the medical diagnostic laboratories, the medical, research, and academic centers, and mainly in the laboratories in which toxic pollutants are made, as well as the laboratories which need UV light, to provide a clean and pollutant-free environment.

The general specifications of the device are:

- Stainless steel body coated by epoxy electrostatic coating
- Two HEPA filter with 99.97% efficiency
- Antirust stainless steel chamber floor
- Fluorescent lighting
- UV lamp
- Digital UV timer controller
- Glass security door with electric control
- Programmable digital control system
- Capped power outlet inside the chamber
- Easy filter changing
- Filter and UV lamp working period alarm
- Horizontal and vertical aeration system

Technical Details

Device name	Model (code)	Exterior dimensions	Interior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Aeration volume (M3/h)	TUV lamp power (W)
Laminar Hood 90	H.M 90	90*82*200	88*63*55	110	220	50	250	1/14	1500	20
Laminar Hood100	H.M 100	100*82*200	98*63*55	120	220	50	250	1/14	1500	20
Laminar Hood110	H.M 110	110*82*200	108*63*55	130	220	50	250	1/14	1500	20

The P .C .R workstation is designed and produced to be used in the medical diagnostic laboratories, and the medical, research, and academic centers, to prevent emission of the pathogenic factors, microbes, or bad odor made by reactions of some chemicals. It can be also used in laboratories which need UV light.

The general specifications of this device are:

- Plexiglass door and walls
- Creation of a pollutant-free environment
- Fluorescent lamp
- Manual and electric door
- Digital timer for setting the lighting time or UV light

Technical Details

Device name	Model (code)	Exterior dimensions	Interior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	UV lamp power (W)	Temperature interval (°C)
P .C.R Workstation	W.S.D	82*64*68	80*43*61	30	220	50	100	0/45	300	20

- Serology water bath
- Boil water bath
- Annular water bath
- Shaker water bath
- Refrigerated water bath
- Refrigerated Shaker Water Bath

Water bath is a device used in some laboratories for bacteria cultivation or doing some tests such as serology tests, mixing the agglutination material, medicinal tests, and even industrial incubation, etc. This product is manufactured in digital type.

Technical Details

Device name	Model (code)	Exterior dimensions	Interior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (L)	Temperature interval (°C)
Serology water bath (circulation)	G.T 22	58*41*33	34*27*15	15/2	220	50	1010	4/6	13/7	Ambient to 70
Shaker water bath	U.M. 60	64*35*47	45*26*13	18	220	50	1000	4/5	15	Ambient to 70
Refrigerated water bath	U.M 61	49*23*54	30*14*18	26/5	220	50	1000	4/5	7/6	0 to 70

The general specifications of this device are:

- Body made of steel sheets and coated by epoxy electrostatic coating
- Stainless steel outside and inside surface
- High quality German-made element
- Digital heat controller with precision of 0.1 centigrade up to 70 centigrade
- Digital timer
- Digital speed controller for serology water bath
- Adjustable water circulation system for uniformity of temperature in all angles
- Audiovisual temperature alarm system
- Protective system to cut the power in case there is not water in the tank
- Element protection system
- Single-memory adjustable time and temperature controller
- Freezing system with German-made Danfoss compressor for the Cool & Hot water baths
- A proper electromotor for shaker water baths

Technical Details

Device name	Model (code)	Exterior dimensions	Interior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (L)	Temperature interval (°C)
Boiling water bath	R.J42	58*42*29	34*27*15	15/2	220	50	1000	4/5	13/7	Ambient TO 100
8-room boiling water bath	M.J 50	58*40*27	34*26*13	17	220	50	1000	4/5	11/5	Ambient TO 100
6-room boiling water bath	M.J 49	53*40*27	39*26*10	16	220	50	1000	4/5	11/5	Ambient TO 100

- V.D.R.L Rotator
- Rocker rotator
- Linear rotator (reciprocal)
- Rotary Shaker Rotator

Rotator is a device with a movable, flat, and rectangular plate on which the glass tubes are placed to prevent sedimentation of the materials and compounds inside them. This device is generally used for biological and microbiological tests.

Technical Details

Device name	Model (code)	Exterior dimensions	Interior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Highest speed (rpm)
Linear rotator	F.K 27	37/5*37/5*20	43*37	9/5	220	50	70	0/32	200
Rocker rotator	F.K 28	34*33*24	33*32	11/3	220	50	70	0/32	200

The general specifications of the device are:

- Stainless steel body with epoxy electrostatic coating
- 60-200rpm rotation speed
- Speed controller and digital timer
- Capability of installing bars and legs

Technical Details

Device name	Model (code)	Exterior dimensions	Interior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Highest speed (rpm)
V.D.R.L rotator	F.K 29	37*37*21	43*37	13	220	50	100	0/45	200
Balloon Rotator	F.K 30	55*50*32	55*55	21	220	50	100	0/45	200

- Magnetic stirrer with hot plate
- Magnetic stirrer without hot plate
- Laboratory electrical stirrer
- Industrial electrical stirrer

The hot plate, hot plate-less, and electrical stirrers are laboratory devices that are used for mixing and stirring different laboratory specimens. Hot plate stirrer also heats the specimens besides stirring them.

Technical Details

Device name	Model (code)	Exterior dimensions	Temperature (°C)	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Highest speed (rpm)
Hot plate magnetic stirrer	M.J 24	25*20*17	Ambient to 350	3/3	220	50	2000	9	1200
Hot plate-less magnetic stirrer	T-2	22*16*9	Ambient	1/3	220	50	110	0/5	1200

The general specifications of the device are:

- Stainless steel body with epoxy electrostatic coating
- Environmental temperature up to 350 centigrade
- Aluminum heat plate resistant against temperature
- 1200rpm speed
- Digital speed, time, and temperature controller
- Steel surface for the hot plate-less stirrers
- The electrical stirrers have a very high-tech and powerful motor
- A very precise and adjustable digital down counter timer (electronic)
- A very sensitive electronic speed controller
- Stirring bar, holder bar, metal blades, panel, holder leg (for electrical stirrers)

Technical Details

Device name	Model (code)	Exterior dimensions	Temperature (°C)	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Highest speed (rpm)
Small electric stirrer	M.M 11	27*20*52	Ambient	12	220	50	150	0/7	1200
Large electric stirrer	M.M 12s	40*30*859	Ambient	16/8	220	50	150	0/7	1200

- Industrial Furnace
- Laboratory Furnace

The laboratory furnace is used in laboratories for research and laboratory applications and doing compound and chemical tests, heating small steel sections, and heating the objects with high temperatures without exposure to pollutants and moisture.

The general specifications of the device are:

- The body is made of steel sheets coated by highly resistant epoxy electrostatic coating
- Digital temperature controller system and 500-hour timer
- The interior walls are made of refractory bricks and elements are placed between them in a way that can be easily accessed and changed.
- The gap between the interior and exterior walls (which has indeed two empty spaces for better quality) is insulated by high-quality asbestos which is free of any side effects and it prevents wastage of furnace temperature and saves power consumption
- The device door also prevents temperature wastage by the refractory brick and asbestos

Technical Details

Device name	Model (code)	Exterior dimensions	Interior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (L)	Temperature interval (°C)
Intelligent furnace	S.R 81	50*43*63	10*9*28	41/5	220	50	1640	7/45	6	Ambient to 1200

The sterilizer is used to generate heat for sterilizing loops and needles. This sterilization is done with high temperature without emission of hazardous microorganisms.

The general specifications of the device are:

- Using the sterilizer inside the laminar hood would not damage its HEPA filters
- The interior chamber of furnace with refractory glass and ceramic, resistant against high temperatures
- Electronic controller and system

Technical Details

Device name	Model (code)	Exterior dimensions	Interior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Temperature interval (°C)
Sterilizer	U.M 65	15*10*29	3*3*10	1/7	220	50	250	3	400/800

- Steel condenser water distiller
- Glass condenser water distiller

The water distiller is used to distill water in the laboratories, and it is produced in steel and glass types.

The general specifications of the device are:

- Body made of steel sheets and coated by epoxy electrostatic coating
- German G . F . L design
- Stainless steel body
- Glass or steel condenser
- Electronic controller
- 500000 ohm conductivity and HP6
- Fully automatic for connecting /disconnecting the system power and water (in case the inlet after pressure is dropped)

Technical Details

Device name	Model (code)	Exterior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (L)
Glass condenser distiller	M 46	26*21*40	4/5	220	50	2000	9/1	4
Steel condenser distiller	F.M 13	39*31*51	14	220	50	3000	13/6	4

The deionizer is a system used for preparing pure water (deionized water with higher purity than distilled water). This device is used in all centers and laboratories which need high-purity water.

The general specifications of the device are:

- 4 filters for phases 1, 2, 3, and 4. Resinous pillar and polypropylene membrane
- System's facility room made of steel coated by antirust and anticorrosion epoxy electrostatic coating
- Magnetic pillar
- A.C-to-D.C conversion system (adapter)
- Online water quality controlling system
- Elimination of suspended particles as small as 2 microns
- Capability of adjusting consumption rate
- Electric tap for connecting/disconnecting the inlet water

Technical Details

Device name	Model (code)	Exterior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Capacity (L)
Deionizer	D.F 5	85*15*54	20	220	50	90	0/4	7

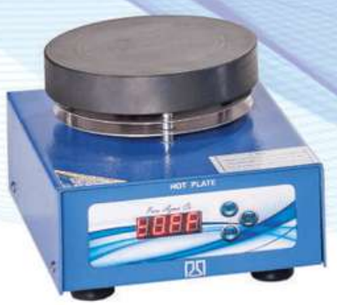
Different Types of Hot Plate

- Rectangular cast iron hot plate
- Circular cast iron hot plate
- Aluminum hot plate

Hot plate is a laboratory device used for heating laboratory specimens. It is manufactured in aluminum and cast iron types.

The general specifications of the device are:

- Body made of steel sheets coated by epoxy electrostatic coating
- Highly resistant cast iron plate against high temperatures
- The aluminum plate temperature for high precision tasks up to 200 centigrade and cast iron plate up to 350 centigrade and 400 centigrade for custom devices
- Digital time and temperature controller
- Heat thermocouple
- German-made element
- Digital controlling system for adjusting the time and temperature



Technical Details

Device name	Model (code)	Exterior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Temperature interval (°C)
Large circular hot plate	M 16	28*26*18	8	220	50	1000	4/5	Ambient to 350
Small circular hot plate	M 13	28*20*17	4/20	220	50	500	2/27	Ambient to 350

Technical Details

Device name	Model (code)	Exterior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Temperature interval (°C)
Rectangular hot plate	U.M 80	38*25*21	13/1	220	50	2000	9	Ambient to 350

- Hematology mixer
- Melanger shaker
- Tube shaker

It is a device for mixing the solutions inside the tubes. This device is used in medical diagnostic laboratories, universities, hospitals, etc.

The general specifications of this device are:

- Body made of steel sheets coated by epoxy electrostatic coating
- Having a two-mode vibrator system with proper vibration for melanger shaker
- Having an 8-insulator pipette for melanger shaker
- A 5-role capacity for hematology mixer
- Two-mode vibrator system with adjustability of the tube shaker

Technical Details

Device name	Model (code)	Exterior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Highest speed (rpm)
Melanger mixer	A.K 33	22*15*9	1/52	220	50	100	0/45	200
Tube mixer	R.K 23	20*14*10	1/3	220	50	60	0/27	2650

Technical Details

Device name	Model (code)	Exterior dimensions	Weight (Kg)	Voltage (V)	Frequency (Hz)	Power (W)	Currency (A)	Highest speed (rpm)
Hematology mixer	M.H 5	46*24*11	3/3	220	50	40	0/2	300

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LABORATORY EQUIPMENT

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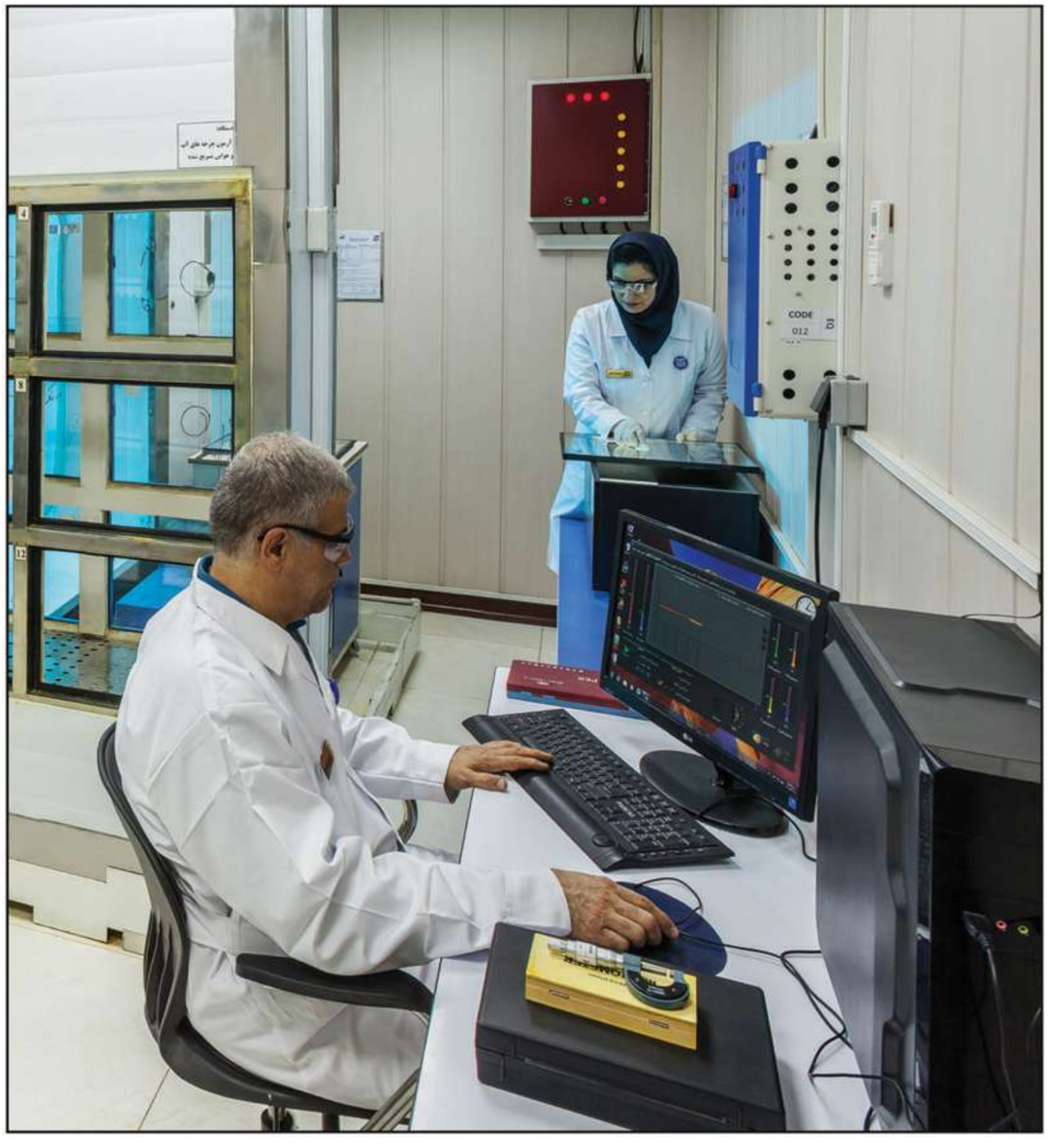
LABORATORY EQUIPMENT

The Pars Azma Co. Laboratory, having modern equipment and also trained and skillful personnel, is ready to do the complete tests of double or multi-pane glasses in accordance with the Iranian National Standards (8521, 8522) on the samples sent by the manufacturing units and the general standard offices of the provinces. In addition, other services which can be provided by Pars Azma Co. are as follows:

- Conclusion of collaboration contracts
- Production of laboratory equipment
- Conducting research and consultation projects
- Training services



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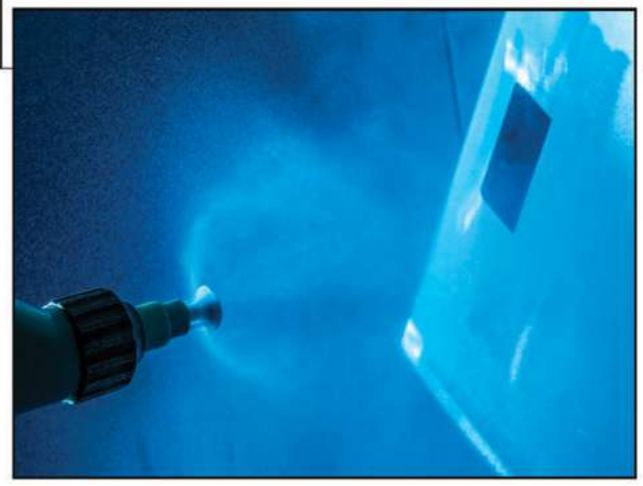
LABORATORY EQUIPMENT

Technical engineering, Design and Development

The personnel of this unit, who are all equipped with the related and up-to-date science and knowledge, are required to obtain the research and technology advancements in terms of laboratory equipment from the authentic international sources and utilize them in the production process, so that the company would manage to satisfy the respected customers in manufacturing of the electronic circuits, programming of the controlling systems, and manufacturing of proper and versatile devices.

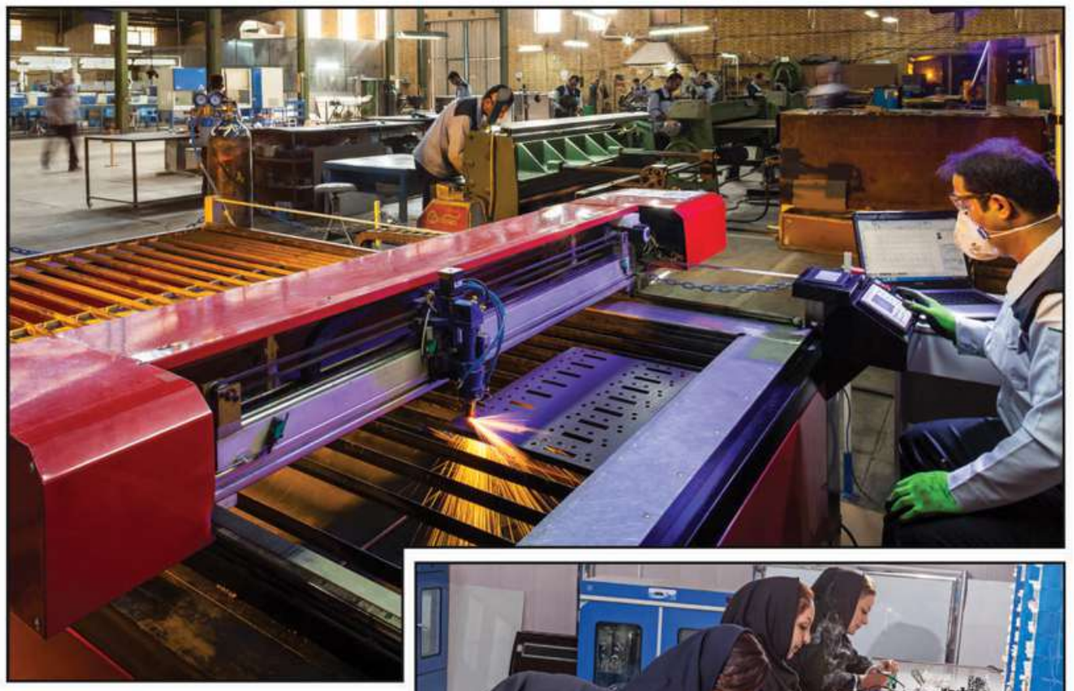
Washing and Painting Unit:



In this unit, the degreasing, phosphating, and painting processes are done on all the metal parts by the use of advanced systems and electrostatic powder paint (antirust epoxy).

Sheet Metal Unit

In this unit, by the use of advanced machines such as the CNC and the like, the operations such as cutting, punching, curving, argon welding, CO2, etc. are done with the observance of technical and defined principles, and all the parts, structures, and other equipment are manufactured in this unit.



The Electronic Montage Unit:

In this unit, by the use of the electronic parts obtained from the best global brands, the boards needed for the devices are montaged with the most advanced and up-to-date global technology and they are provided for the production unit.

Montage Unit

The montage process is conducted under complete supervision of quality control authorities and experts and finally, the montaged product is precisely evaluated by the quality control manager.

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LABORATORY EQUIPMENT