



INTEGRATED SCIENTISIC
GROUP



HEALTH CARE & LAB
FURNITURE & EQUIPMENT

SAFETY
QUALITY
ADAPTABILITY





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Heliopolis, Cairo
Governorate



ABOUT US



Integrated Scientific Group a leading company in the field of scientific, medical and industrial projects, providing its customers with all the needs of single devices up to integrated laboratories (instruments and Furniture), hospitals and integrated industrial facilities.

Integrated scientific group supports its customers interactively at all stages of projects ranging from idea, planning and design to reach the best effective solutions with high quality according to the planned budget. These projects are carried out by the company's experts and engineers experienced in various fields and the company also assists the client to obtain the necessary local and international certifications.



OUR VISION



Getting a safe laboratory with innovative design should be accessible to any company or organization, in terms of budget, product adaptability, right design & delivery time. That is where we focus while designing, engineering & manufacturing new products. Arias aims to be one of the best innovative European laboratory manufacturers operating worldwide.

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MATERIAL SPECIFICATIONS AND MANUFACTURING PROCESS





MATERIAL SPECIFICATIONS AND MANUFACTURING PROCESS

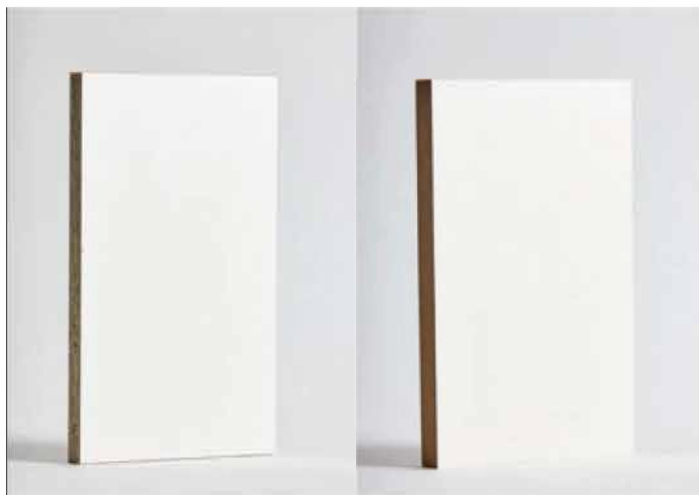
STEEL SHEET

Our bench frames, steel cabinets & cupboards are manufactured by electro-zinc cold rolled steel epoxy polyester coated resistant to corrosion. Before painting, the steel sheets go through: electrolytic zinc settlement, degreasing & surface cleaning, pre-treatment with phosphate and chromated treatment.



Particle Board

MDF Melamine



MELAMINE SHEET

For some specific projects, a line of cabinets & cupboards is manufactured from wood fibres and agglutinated by synthetic resins with pressure and temperature. The MDF melamine is moisture resistant, with low formaldehyde content, compact boards and lightweight.



MATERIAL SPECIFICATIONS AND MANUFACTURING PROCESS

PAINTING PROCESS

Our products are coated by a chemical resistant epoxy powder paint. The painting is specially formulated to satisfy the laboratory needs in order to obtain a very high resistance to UV radiations, chemicals and to humidity. Its excellent gloss retention and resistance to colour change, combined with other outstanding properties are what makes Arias different.

Our painting process follows these meticulous steps:

- 1- Surface polishing & dedusting if needed.
- 2- Surface cleaning: Acid washing & phosphating or nano zirconia treatment.
- 3- Washing, drying & surface examination.
- 4- Acid resistant epoxy powder automatic painting.
- 5- Drying at 200°C in a special oven.
- 6- Cooling & packing.





A long, white laboratory bench with a wooden top and glass-fronted cabinets above it, set against a white wall with a sloped ceiling. The bench has several drawers and cabinets underneath, and a row of electrical outlets along the back edge. The text "OUR PRODUCTS" is overlaid in the center-right.

OUR PRODUCTS



FUME HOODS



FUME HOODS

Fume Hoods are ventilated enclosures that enable laboratory personnel to safely work with materials that produce hazardous fumes and volatile vapors.

We at Arias Labs continue to innovate the standards of our fume hoods to support the evolving needs of modern laboratory safety requirements & end user new application requirements.

Our fume hoods are suitable for general and special laboratory applications, dealing with various common acid and solvents as well as enduring the harshest laboratory environments.

Our fume hoods are certified as per standards EN14175 & ASHRAE 110-2016.

Fume Hood Types:

- Basic Fume Hood –
Manual Control Panel
- Standard Fume Hood –
LCD Control Panel
- Prime Fume Hood –
LCD Control Panel Energy Saving
Inverter (Automatic Flow)
- Walk-in Fume Hood
- Polypropylene Fume Hood –
Perchloric HCl Acid FH





FUME HOODS

Fume Hood Basic Type - Manual Control Panel

This fume hood is suitable for general laboratory applications, dealing with various common acid and solvents as well as enduring the harshest laboratory environments.

Fume hood basic type could be used as a ductless fume hood as well. This type of fume hood utilizes carbon or HEPA filtration to protect laboratory personnel from toxic chemical fumes, odors, and particles. Ductless Fume Hood guarantees a hassle-free installation and no lab work interruption.





FUME HOODS

Model	AR01-120	AR01-150	AR01-180	AR01-210
External dimensions (mm) (W x D x H)	1200x750x2200	1500x750x2200	1800x750x2200	2100x750x2200
Upper Body	Steel epoxy powder coated for chemical resistance			
Support Stand	Integrated (full height body)			
Color	Light Grey & Dark Grey			
Worktop	16 mm Anti-chemical compact laminate countertop			
Under FH cabinet	Vented Cabinet steel epoxy powder coated			
Operation Controller Panel	<ul style="list-style-type: none"> • Main fuse breaker • Manual Fan control • Manual Speed control • Manual Lamp switch 			
Sash type	Vertical opening			
Sash material	Tempered safety glass 6mm with aluminum frame			
Sash Safety door stop	Yes			
Lamp	LED 1 unit			
Cup sink	PP 1 unit			
Water tap	CW 1 unit			
Air valve	Option			
Vacuum valve	Option			
Sockets	British type 2 units with cover (international type available)			
Electrical Break	16A Insurance			
Duct collar (Ø)	PP 250mm (Ø)			
Duct	PVC flexible duct (3 m each fume hood)			
Blower Type: Polypropylene built in blower	1040 m³/h	1400 m³/h	2350 m³/h	3400 m³/h
Option	Worktop: Ceramic - Color: Off white & Light Grey Controller: Digital touch panel - Sash: Horizontal opening Air, Vacuum Valve			



FUME HOODS

Fume Hood Standard Type - LCD Control Panel

This fume hood is suitable for general laboratory applications, dealing with various common acid and solvents as well as enduring the harshest laboratory environments.

This fume hood comes with LCD Display control panel for AIRFLOW controlling and monitoring, in addition to visual & audible alarms, air flow digital screen, and touch sensitive buttons for all the operations.





FUME HOODS

Model	AR02-120	AR02-150	AR02-180	AR02-210
External dimensions (mm) (W x D x H)	1200x900x2340	1500x900x2340	1800x900x2340	2100x900x2340
Upper Body	Steel epoxy powder coated for chemical resistance			
Support Stand	Pipe with horizontal supports epoxy powder coated			
Inner services connection	From the back side of the Fume hood			
Frontal window	700mm			
Color	Light Grey & Dark Grey			
Worktop	16 mm Anti-chemical compact laminate countertop			
Under FH cabinet	Vented Cabinet steel epoxy powder coated			
Operation Controller Panel	LCD Display control panel for AIRFLOW controlling and monitoring <ul style="list-style-type: none"> • Visual & audible alarms • Air flow digital screen • Touch sensitive buttons for all the operations 			
Sash type	Vertical opening			
Sash material	Tempered safety glass 6mm with aluminum frame			
Sash Safety door stop	Steel epoxy powder coated			
Lamp	LED 1 unit			
Cup sink	PP 1 unit			
Water tap	CW 1 unit			
Air valve	CA 1 unit			
Vacuum valve	Option			
Sockets	British type 2 units with cover (international type available)			
Electrical Break	16A Insurance			
Duct collar (Ø)	PP 250mm (Ø)			
Duct	PVC flexible duct (3 m each fume hood)			
Blower Type: Polypropylene built in blower	1040 m³/h	1400 m³/h	2350 m³/h	3400 m³/h
Option	Worktop: Ceramic – Cup sink: Ceramic Color: Off white & Light Grey – Sash: Horizontal opening Fittings: Vacuum Valve			



FUME HOODS

Fume Hood Prime Type – LCD Control Panel Energy Saving Inverter (Auto- matic Flow)

This fume hood is suitable for general & special laboratory applications, dealing with various common acid and solvents as well as enduring the harshest laboratory environments.

This fume hood comes with VAC (variable air control) system which enables the control the speed of the exhaust air to save energy & fresh air. Also, it comes with LCD Display control panel for AIRFLOW controlling and monitoring, in addition to visual & audible alarms, air flow digital screen, and touch sensitive buttons for all the operations.





FUME HOODS

Model	AR03-120	AR03-150	AR03-180	AR03-210
External dimensions (mm) (W x D x H)	1200x817x2380	1500x817x2380	1800x817x2380	2100x817x2380
Upper Body	Steel epoxy powder coated for chemical resistance			
Support Stand	Pipe with horizontal supports epoxy powder coated			
Inner services connection	From the lateral sides of the fume hood			
Frontal window	1100mm			
Color	Light Grey & Dark Grey			
Worktop	Ceramic worktop with 28mm thick edge marine			
Under FH cabinet	Vented Cabinet steel epoxy powder coated			
Operation Controller Panel	LCD Display control panel for AIRFLOW controlling and monitoring <ul style="list-style-type: none"> • Visual & audible alarms • Air flow digital screen • Touch sensitive buttons for all the operations 			
Sash type	Vertical opening			
Sash material	Tempered safety glass 6mm with aluminum frame			
Sash Safety door stop	Steel epoxy powder coated			
Lamp	LED 1 unit			
Cup sink	PP 1 unit			
Water tap	CW 1 unit			
Air valve	CA 1 unit			
Vacuum valve	Option			
Sockets	British type 2 units with cover (international type available)			
Electrical Break	16A Insurance			
Duct collar (Ø)	PP 250mm (Ø)			
Duct	PVC flexible duct (3 m each fume hood)			
Blower Type: Polypropylene built in blower	1040 m ³ /h	1400 m ³ /h	2350 m ³ /h	3400 m ³ /h
Option	Worktop: Ceramic – Cup sink: Ceramic Color: Off white & Light Grey – Sash: Horizontal opening Fittings: Vacuum Valve			



FUME HOODS

Walk-in Fume Hood

Walk-In Fume Hoods are "oversized" enclosures that are built to isolate the exterior of the hood from fumes, dust, odors, and other harmful particulate. Primarily, these hoods isolate the environment from particle contamination and allow applications to be performed in a separate working area.





FUME HOODS

Model	AR04-120	AR04-150	AR04-180	AR04-210
External dimensions (mm) (W x D x H)	1200x900x2340	1500x900x2340	1800x900x2340	2100x900x2340
Upper Body	Steel epoxy powder coated for chemical resistance			
Support Stand	Pipe with horizontal supports epoxy powder coated			
Inner walls	One side to allow the connections to be in the back side of the Fume hood			
Frontal window	700mm opening space for the operations			
Color	Light Grey & Dark Grey			
Worktop	N/A			
Under FH cabinet	N/A			
Operation Controller Panel	LCD Display control panel for AIRFLOW controlling and monitoring <ul style="list-style-type: none"> • Visual & audible alarms • Air flow digital screen • Touch sensitive buttons for all the operations 			
Sash type	Vertical opening			
Sash material	Double Tempered safety glass 6mm with aluminum frame			
Sash Safety door stop	Steel epoxy powder coated			
Lamp	LED 1 unit			
Cup sink	PP 1 unit			
Water tap	CW 1 unit			
Air valve	CA 1 unit			
Vacuum valve	Option			
Sockets	British type 2 units with cover (international type available)			
Electrical Break	16A Insurance			
Duct collar (Ø)	PP 250mm (Ø)			
Duct	PVC flexible duct (3 m each fume hood)			
Blower Type: Polypropylene built in blower	1040 m ³ /h	1400 m ³ /h	2350 m ³ /h	3400 m ³ /h
Option	Cup sink: Ceramic Color: Off white & Light Grey Fittings: Vacuum Valve			



FUME HOODS

Polypropylene Fume Hood – Perchloric HCl Acid FH

Polypropylene Fume Hoods are made of high-quality non-corrosive polypropylene with excellent chemical resistance. Polypropylene increases the product's tensile strength and improves its thermal characteristics. The Polypropylene Fume Hoods protect laboratory staff from noxious fumes released by acids, dangerous gas and organic solutions - materials and acids which regular steel hoods may not withstand.





FUME HOODS

Model	AR05-120	AR05-150	AR05-180	AR05-210
External dimensions (mm) (W x D x H)	1200x817x2380	1500x817x2380	1800x817x2380	2100x817x2380
Upper Body	One-piece welded Polypropylene structure			
Support Stand	Integrated (full height body)			
Color	Beige			
Worktop	Built-in polypropylene worktop			
Under FH cabinet	Integrated Vented Cabinet full polypropylene			
Operation Controller Panel	LCD Display control panel for AIRFLOW controlling and monitoring <ul style="list-style-type: none"> • Visual & audible alarms • Air flow digital screen • Touch sensitive buttons for all the operations 			
Sash type	Vertical opening			
Sash material	Tempered safety glass 6mm			
Lamp	LED 1 unit			
Cup sink	PP 1 unit			
Water tap	CW 1 unit			
Air valve	CA 1 unit			
Vacuum valve	Option			
Sockets	British type 2 units with cover (international type available)			
Electrical Break	16A Insurance			
Duct collar (Ø)	PP 250mm (Ø)			
Duct	PVC flexible duct (3 m each fume hood)			
Blower	Option			
Option	Worktop: Ceramic – Cup sink: Ceramic Sash: Horizontal opening – Fittings: Vacuum Valve Blower: Centrifugal FAN			



BIOLOGICAL SAFETY CABINETS



BIOLOGICAL SAFETY CABINETS

A Biological Safety Cabinet is mainly used for handling pathogenic biological samples or for applications that require a sterile work zone. It creates inflow and downflow of air that ensures the user, product and environment protection from the biohazard factor and prevents cross-contamination of various samples used in experiments.

Biosafety Cabinets Types:

- Class I: Laminar Flow
- Class II: A2 Biological Safety Cabinet
- Class II: B2 Biological Safety Cabinet





BIOLOGICAL SAFETY CABINETS

Class I: Laminar Flow

A laminar flow cabinet is defined as enclosed workbench which is used to create a contamination free work environment through installed HEPA filters that capture all the particles entering the cabinet.

A laminar flow cabinet is used for work with substances which are not hazardous for the personnel health for personnel and environmental protection.

Laminar Flow Types:

- Horizontal Laminar Flow
- Vertical Laminar Flow
- PCR Workstation





BIOLOGICAL SAFETY CABINETS

Model	AR-LAM-90	AR-LAM-120	AR-LAM-150	AR-LAM-180
External Dimensions (mm) (W x D x H)	1065x900x1550	1360x900x1550	1660x900x1550	1960x900x1550
Internal Dimensions (mm) (W x D x H)	900x630x650	1200x630x650	1500x630x650	1800x630x650
Stand Dimensions (mm) (W x D x H)	1060x870x850	1360x870x850	1660x870x850	1960x870x850
Exterior Body	Steel epoxy powder coated for chemical resistance			
Inner walls	Stainless steel (AISI 304)			
Worktop	Worktop floor height 850mm made of Stainless steel (AISI 316)			
Operation Controller Panel	LCD Display control panel for AIRFLOW controlling and monitoring <ul style="list-style-type: none"> • Visual & audible alarms • Air flow digital screen • Touch sensitive buttons for all the operations 			
Average Inflow Velocity m/s	0.45			
Average Downflow Velocity m/s	0,25 / 0,50			
Filters (EN1822) Main Filter	H14 HEPA, 0.3 µm particulate 99995%			
Filters (EN1822) Exhaust Filter	Not used in Laminar flow Cabinet			
Filters (EN1822) Front Filter	G4			
Cleanliness level (US FED 209E)	ISO 5 - Class 100			
Exhaust Fan Motor Capacity	Suitable for 10 m Horizontal and 3 m Vertical Long Air Channel			
Front Sash / Window Standard Opening	200mm ± 10mm			
Front Sash/Window Maximum Opening	530mm ± 10mm			
Noise Level (Normal Mode)	< 65 dB(A)			
Noise Level (Economy Mode)	< 55 dB(A)			
Illumination	850 – 1150 Lux			
Front Sash/Window Thickness	< 6 mm			
Power Consumption (Fan Filter Unit)	105 W		200 W	
Power Consumption (Lighting)	50 W			
Power Consumption (UV Lamp)	30 W			
Power supply (Voltage) Socket	220-240 V / 16A			
Supply Voltage / Frequency / Power /Current	230 V / 50 Hz / 2500 W / 16A			
Cabin Weight	205 kg	230 kg	270 kg	285 kg
Option	Fittings: Vacuum Valve			



BIOLOGICAL SAFETY CABINETS

Class II: A2 Biological Safety Cabinet

Class II: A2 Biological Safety Cabinet ensures the user, product and environment protection from the biohazard factor and prevents cross-contamination of various samples used in experiments. They recirculate 70% of the HEPA-filtered laminar air while 30% passes through an exhaust HEPA filter for discharge to the lab or optional canopy.





BIOLOGICAL SAFETY CABINETS

Model	ARS-2A2-90	ARS-2A2-120	ARS-2A2-150	ARS-2A2-180
External Dimensions (mm) (W x D x H)	1065x900x1450	1360x900x1450	1660x900x1450	1960x900x1450
Internal Dimensions (mm) (W x D x H)	900x630x650	1200x630x650	1500x630x650	1800x630x650
Stand Dimensions (mm) (W x D x H)	1060x870x750	1360x870x750	1660x870x750	1960x870x750
Exterior Body	Steel epoxy powder coated for chemical resistance			
Inner walls	Stainless steel (AISI 304)			
Worktop	Worktop floor height 850mm made of Stainless steel (AISI 316)			
Operation Controller Panel	LCD Display control panel for AIRFLOW controlling and monitoring <ul style="list-style-type: none">• Visual & audible alarms• Air flow digital screen• Touch sensitive buttons for all the operations			
Average Inflow Velocity m/s	0.45			
Average Downflow Velocity m/s	0,25 / 0,50			
Filters (EN1822) Main Filter	H14 HEPA, 0.3 µm particulate 99995%			
Filters (EN1822) Exhaust Filter	H14 HEPA, 0.3 µm particulate 99995%			
Filters (EN1822) Front Filter	Not used in Class II A II			
Cleanliness level (US FED 209E)	ISO 5 - Class 100			
Exhaust Fan Motor Capacity	Air flow Qv 2400 m³/h			
Front Sash / Window Standard Opening	200mm ± 10mm			
Front Sash/Window Maximum Opening	530mm ± 10mm			
Noise Level (Normal Mode)	< 65 dB(A)			
Noise Level (Economy Mode)	< 55 dB(A)			
Illumination	850 – 1150 Lux			
Front Sash/Window Thickness	< 6 mm			
Power Consumption (Fan Filter Unit)	105 W		200 W	
Power Consumption (Lighting)	50 W			
Power Consumption (UV Lamp)	30 W			
Power supply (Voltage) Socket	220-240 V / 16A			
Supply Voltage / Frequency / Power / Current	230 V / 50 Hz / 2500 W / 16A			
Cabin Weight	205 kg	230 kg	270 kg	285 kg
Option	Fittings: Vacuum Valve			



BIOLOGICAL SAFETY CABINETS

Class II: B2 Biological Safety Cabinet

Class II: B2 Biological Safety Cabinet ensures the user, product and environment protection from the biohazard factor and prevents cross-contamination of various samples used in experiments. The type B2 total exhaust cabinets are widely used in toxicology laboratories and similar applications where chemical effluent is present and clean air is essential.

The air goes through a HEPA filter and is 100% exhausted through a dedicated duct with an exhaust fan motor. The air is then released into the atmosphere.





BIOLOGICAL SAFETY CABINETS

Model	ARS-2B2-90	ARS-2B2-120	ARS-2B2-150	ARS-2B2-180
External Dimensions (mm) (W x D x H)	1065x900x1450	1360x900x1450	1660x900x1450	1960x900x1450
Internal Dimensions (mm) (W x D x H)	900x630x650	1200x630x650	1500x630x650	1800x630x650
Stand Dimensions (mm) (W x D x H)	1060x870x750	1360x870x750	1660x870x750	1960x870x750
Exterior Body	Steel epoxy powder coated for chemical resistance			
Inner walls	Stainless steel (AISI 304)			
Worktop	Worktop floor height 850mm made of Stainless steel (AISI 316)			
Operation Controller Panel	LCD Display control panel for AIRFLOW controlling and monitoring <ul style="list-style-type: none"> • Visual & audible alarms • Air flow digital screen • Touch sensitive buttons for all the operations 			
Average Inflow Velocity m/s	0.45			
Average Downflow Velocity m/s	0,25 / 0,50			
Filters (EN1822) Main Filter	H14 HEPA, 0.3 µm particulate 99.995%			
Filters (EN1822) Exhaust Filter	H14 HEPA, 0.3 µm particulate 99.995%			
Filters (EN1822) Front Filter	G4			
Cleanliness level (US FED 209E)	ISO 5 - Class 100			
Exhaust Fan Motor Capacity	Air flow Qv 2400 m³/h			
Front Sash / Window Standard Opening	200mm ± 10mm			
Front Sash / Window Maximum Opening	530mm ± 10mm			
Noise Level (Normal Mode)	< 65 dB(A)			
Noise Level (Economy Mode)	< 55 dB(A)			
Illumination	850 – 1150 Lux			
Front Sash / Window Thickness	6 mm			
Power Consumption (Fan Filter Unit)	105 W		200 W	
Power Consumption (Lighting)	50 W			
Power Consumption (UV Lamp)	30 W			
Power supply (Voltage) Socket	220-240 V / 16A			
Supply Voltage / Frequency / Power / Current	230 V / 50 Hz / 2500 W / 16A			
Weight	205 kg	230 kg	270 kg	285 kg
Option	Fittings: Vacuum Valve, gases			



LABORATORY BENCHES



LABORATORY BENCHES



A wide range of modular configurations are available for any type of laboratory

TABLE CONFIGURATION

Arias Labs System provides modular solutions for any special requirement and for all challenging space constraints with its versatile design. All our benches can be selected with various worktop materials for a variety of application possibilities in the laboratory. They are designed in a way that ensures flexibility and high levels of stability in order to provide you with the perfect platform for your research & equipment.

Arias offers 3 types of bench systems:

- C-frame system
- H-frame system
- On-plinth system

All our benches' frames are manufactured of epoxy polyester coated product that are made of zinc coated cold rolled steel resistant to chemical reagents.



LABORATORY BENCHES

Available Modular Configurations:

C-FRAME SYSTEM

The C-frame system was designed to provide a flexible modular solution with under bench registrable cover panels for easy maintenance & disinfection. It can incorporate different types of under bench cabinets: suspended, sliding or on-wheels depending on the client's needs. Our c-frames are extremely stable and can load up to 200 kg/m².

C-frames are designed for different positions and styles:

- Wall bench
- Island bench
- Movable bench





LABORATORY BENCHES

Wall Laboratory Bench:

These frames are provided with a leveling system in contact with the floor as well as in contact with the working surfaces.

On the rear, it provides a structural support for the fixation of the service system, separated from the frame of the workbench, creating a space (service gallery) for the guiding of the mechanical, electrical, plumbing, and connections, easily accessible via removable covers.

Additional shelves could be added upon the request of the clients. These storage shelves are anchored to the vertical profiles and easily height adjustable. They are protected by coated epoxy polyester resin and have a 30-mm high back lip to prevent accidents.



	Width		Depth	Height
Unit: mm	900 / 1200 / 1500 / 1800		750 / 900	900 / 750
Front View				
Model	BE-900	BE-1200	BE-1500	BE-1800



LABORATORY BENCHES

Island Laboratory Bench:

Central laboratory bench based on a modular of self-supporting steel structure made of cold rolled steel pipe, rectangular and circular, treated and covered with Epoxy Polyester coated.

In the middle of the benches, a structure supports creating a space for the guiding of the mechanical, electrical, plumbing, connections with the required outlets, easily accessible via removable covers. The bench frames are provided with leveling legs.

Service galleries contain shelves and service spines that can be configured depending on the client's needs. These storage shelves are anchored to the vertical profiles and easily height adjustable. They are protected by coated epoxy polyester resin and have a 30-mm high back lip to prevent accidents.



	Width		Depth	Height
Unit: mm	900 / 1200 / 1500 / 1800		1500 / 1650	900 / 750
Front View				
Model	IBE-900	IBE-1200	IBE-1500	IBE-1800




LABORATORY BENCHES

Movable Benches:

Movable benches are C frame benches mounted on 4 wheels, 2 of them are lockable. This design creates a flexible working environment for the end user.



	Width	Depth	Height
Unit: mm	1200 / 1500	750 / 900	900
Front View			
Model	MBE-1200		MBE-1500



LABORATORY BENCHES

H-FRAME SYSTEM

The H-frame system was designed to provide a heavy-duty modular solution with under-bench registrable cover panels for easy maintenance & disinfection. Our H-frames are extremely stable and can load up to 300 kg/m².



	Width		Depth	Height
Unit: mm	900 / 1200 / 1500 / 1800		750 / 900	900
Front View				
Model	HBE-900	HBE-1200	HBE-1500	HBE-1800

Corner Panel

The corner panel for benches is used to connect the benches at the corner, made of laminated steel with epoxy coated. It has a registrable cover panel for easy maintenance.



	Width	Depth	Height
Unit: mm	750 / 900	750 / 900	750 / 900
Front View			
Model	CP-A75D CP-A90D		



LABORATORY BENCHES

ON PLINTH SYSTEM

The on-plinth system was designed to provide a solution with under-bench registrable cover panels for easy maintenance & disinfection. Underbench cabinets will be used to support worktops, without the need to use C or H-type frames. Each underbench unit is fitted with leveling legs & covered with a plinth.



	Knee space Width	Depth	Height
Unit: mm	830 / 1130	750 / 900	900 / 750
Front View			
Model	ZBE-1200	ZBE-1500	



LABORATORY BENCHES

Balance Bench

Anti-vibration or balance bench has a self-supporting metal separate structure with elements of isolation and a vibration-free plate. Ideal for setting up analytical balances and other sensitive measuring equipment.

General Characteristics:

- For weighing sensitive measurements with analytical balances
- Bench frame with worktop and vibration-free plate installed with 2 internal separate structures
- Not suited for laboratory operations requiring the extraction of dangerous chemicals



	Height	Width	Depth
Unit: mm	900	900 /1200	750 / 900
Front View			
Model	BB-900	BB-1200	





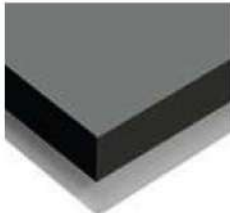
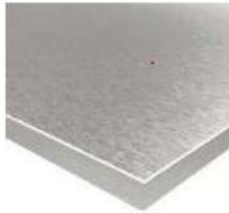
WORKTOPS



WORKTOPS

Arias collaborates with a number of worktop providers to ensure that the end user gets the best quality for their laboratory surfaces.

Worktop Types:

	Ceramic	Epoxy	Phenolic Laminate (HPL)	Stainless Steel
Material	Ceramic	Resin with a hardener	Paper & resin based	Stainless Steel
Corrosive Chemical Resistance	High with no color change	High with noticeable color change	High with minor color change	Moderate
Lab Application	Moderate duty	Heavy duty	Moderate duty	Moderate to heavy duty
Temperature Resistance	High	High	Moderate to High	High
Sample Environment	Chemical, Industrial	Chemical, Industrial	Chemical, Industrial, Medical, & biological	Biology, food & beverages
Scratch Resistance	High	Weak to Moderate	High	Weak
Images				



SINK UNITS






SINKS IN WALL OR ISLAND POSITION

Sink units are highly essential pieces of furniture in laboratory operations. Sinks can be connected to the various service systems available or be installed as individual units.

The Top sink is available in many materials: HPL, polypropylene, ceramic, stainless Steel, & epoxy.

The sink bowls are available in many materials like: Ceramic, Stainless Steel, Epoxy and Polypropylene.





	Ceramic	Epoxy	PP	Stainless Steel
Material	Ceramic	Resin with a hardener	Polypropylene	Stainless Steel
Corrosive Chemical Resistance	High with no color change	High with noticeable color change	High with no color change	Moderate
Lab Application	Moderate duty	Heavy duty	Moderate duty	Moderate duty
Temperature Resistance	High	High	Moderate	High
Sample Environment	Chemical, Industrial	Chemical, Industrial	Chemical, Industrial, Medical, & biological	Biology, food & beverages
Scratch Resistance	High	Weak to Moderate	Weak	Weak
Images				



SINK UNITS

SINKS IN WALL OR ISLAND POSITION



	Width		Depth	Height
Unit: mm	600 / 900 / 1200 / 1500		750	900
Front View				
Model	FRE-600	FRE-900	FRE-1200	FRE-1500



STORAGE UNITS



STORAGE UNITS

MATERIAL TYPES

All our storage units are made from steel epoxy-coated or melamine with an ergonomic design to ensure the safety, durability & functionality of the units.



Design Characteristics	Components
Load-bearing capacity per shelf (kg)	30
Construction	Body 1 part Adjustable shelves Door opening at 270° hinges 4 Paired polyamides, 2 with brake 4 heights adjustable feet
Combination possibilities	Drawers and doors
Handle	Zamak with in satin nickel
Drawers	Soft-Closing, fully extensible drawers



STORAGE UNITS

STEEL STORAGE UNITS

Entirely built of cold-laminated galvanized steel, for different uses with high-quality accessories that can sustain harsh laboratory environments:

- Underbench cabinets
- Overhead cabinets
- Tall storage cabinets
- Open shelves units



MELAMINE STORAGE UNITS

Made of melamine, for different uses with high-quality accessories that can sustain harsh laboratory environments:

- Underbench cabinets
- Overhead cabinets
- Tall storage cabinets



STORAGE UNITS

CABINETS DESIGN

Arias provides a wide variety of storage cabinets:

- On-Wheel Cabinets
- Suspended Cabinets
- Sliding Cabinets
- On-Plinth Cabinets
- Corner Storage Cabinets
- Overhead Cabinets
- Tall Cabinets

They are all available in different sizes and designs to meet the needs & requirements of end users. All our cabinets comply with the following standard: "UNE EN 14727:2006.










STORAGE UNITS




ON WHEELS

Under-bench cabinets on wheels are the best choice to have high flexibility for your benches to reconfigure them as you may wish in the future once you add new equipment. They can have 1 door, 1 door / 1 drawer or 4 drawers. Cabinets come with 4 wheels, 2 of them with breaks. Each cabinet includes an internal adjustable shelf.

• Cabinet on wheels for H900

	Width			Depth	Height
Unit: mm	450 / 600 / 900			500	782
Front View					
Model	CAB4-1PR	CAB4-1P1CR	CAB4-4CR	CAB9-2PR	CAB9-2P1CR

• Cabinet on wheels for H750

	Width	Depth	Height
Unit: mm	450	500	632
Front View			
Model	CAB4-1PR-H75	CAB4-1P1CR-H75	CAB4-3CR-H75



STORAGE UNITS



SUSPENDED CABINETS

Underbench suspended cabinets are an innovative design for an easy cleaning and more free space. Cabinets can have 1 door, 1 door/1 drawer or 4 drawers. Each cabinet includes an internal adjustable shelf.

SLIDING CABINETS





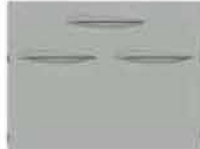
Sliding cabinets are the new design provided by Arias to support the evolving lab needs and requirements. It is a solution between suspended and on wheels as it allows end users to choose the position of the cabinet under the bench without having to use wheels. They can have 1 door, 1 door/1 drawer or 4 drawers. Each cabinet includes an internal adjustable shelf.








STORAGE UNITS

• Suspended/Sliding Cabinet for H900

	Width			Depth	Height
Unit: mm	450 / 600 / 900			500	782
Front View					
Model	CAB4-1PS	CAB4-1P1CS	CAB4-4CS	CAB9-2PS	CAB9-2P1CS

• Suspended/Sliding Cabinet for H750






	Width	Depth	Height
Unit: mm	450	500	632
Front View			
Model	CAB4-1PS-H75	CAB4-1P1CS-H75	CAB4-3CS-H75



STORAGE UNITS


ON-PLINTH CABINETS

Cabinet On-plinth is the classic bench system that does not require table frames. This type of cabinets holds the worktop by itself. It can have 1 door, 1 door/1 drawer or 4 drawers. Each cabinet includes an internal adjustable shelf.

	Width			Depth	Height
Unit: mm	450 / 600 / 900			500	800
Front View					
Model	CAB4-1PZ	CAB4-1P1CZ	CAB4-4CZ	CAB9-2PZ	CAB9-2P1CZ

CORNER STORAGE CABINET

A corner storage cabinet is a type of furniture that is designed to fit into the corner of a room, maximizing space and allowing for easy access to the contents inside. It is typically used to store items such as equipment, glassware or other supplies. The advantage of a corner storage cabinet is that it can help to save space in a room that might otherwise be unused. With adjustable shelves.

	Width	Depth	Height
Unit: mm	750 / 900	750 / 900	750 / 900
Front View			
Model	CP-A75D CP-A90D		



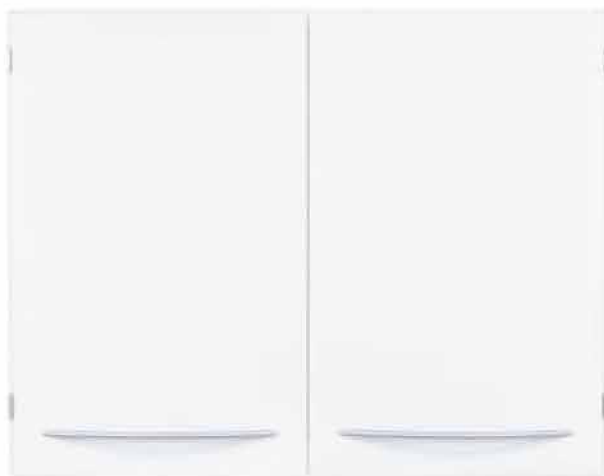
STORAGE UNITS

OVERHEAD CABINETS

Wall mounted cabinets are used to provide the end user with more storage space all around the lab walls to free more working areas. All have an internal adjustable shelf.

There are 3 types of cabinets available:

- With glass doors
- With steel doors
- With no doors



	Width		Depth	Height
Unit: mm	600 / 900 / 1200		370	700
Front View				
Model	WCAB6-1P WCAB6-1PV	WCAB9-ENT WCAB12-ENT	WCAB9-2P WCAB12-2P	WCAB9-COR WCAB12-COR



STORAGE UNITS




TALL STORAGE CABINETS

Tall cabinets can be used for different storage purposes (glassware, balances and small devices...). The tall storage is available in different designs to adjust to the end user needs.

- Tall storage with 2 glass doors with hinges in upper part and 2 blinded doors in lower part
- Tall storage with 2 glass sliding doors in upper part and 2 blinded doors in lower part.
- Tall storage with 2 blinded doors
- Tall storage with 2 glass doors
- Tall storage with open shelves in upper part and 2 blinded doors in lower part

All shelves are height-adjustable.

	Width		Depth	Height
Unit: mm	900 / 1200		460	1950
Front View				
Model	MA9-2P MA12-2P	MA9-2PV MA12-2PV	MA9-2P2V MA12-2P2V	MA9-2PENT MA12-2PENT



STORAGE UNITS

COLOURS

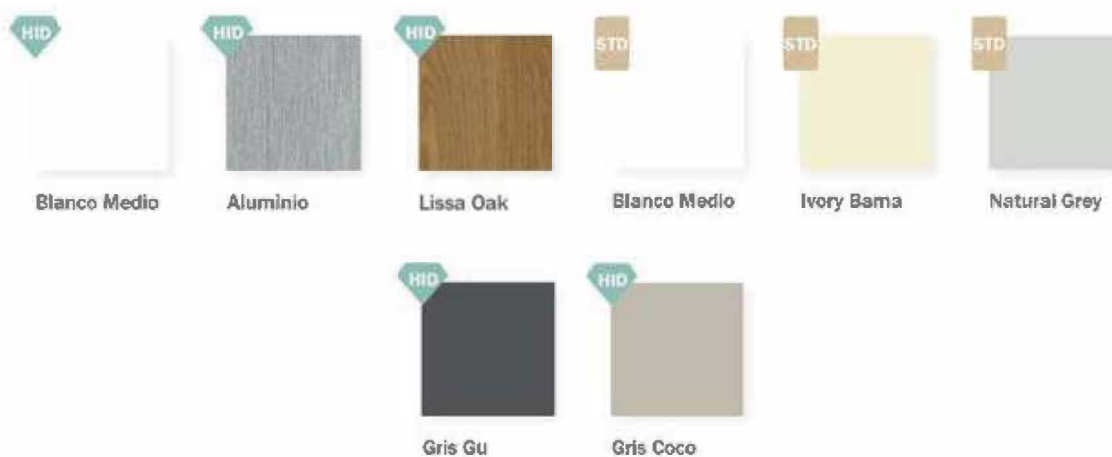
Epoxy coated steel cabinets and metal components:

For the steel cabinets and our benches metal components, we use 3 standard colours.



Melamine particle board cabinets:

The melamine cabinets have MDF laminate panels of 18 mm thickness with a wide choice of colours on the coated surface.





STORAGE UNITS

Other Storage Units designs:

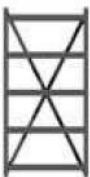

OPEN SHELF

Made of epoxy-coated steel, for different uses with adjustable shelves with a load capacity of 80 KG for each LM.

Open lab shelving is a type of storage system that is commonly used in laboratories, schools, and other research facilities. These shelving units are designed to hold and organize a variety of laboratory equipment, materials, and supplies. They are called "open" because they do not have doors or other enclosures, allowing easy access to the items stored on the shelves.

In addition to organizing lab equipment, open lab shelving can be used to store chemicals, reagents, and other lab materials that are used in experiments and research.



	Height	Width	Depth
Unit: mm	1800	900 / 1200	500
Front View			
Model	ESTAL-900		ESTAL-1200



STORAGE UNITS

TALL CHEMICAL CABINETS

Internal volume: approx. 408 litres.

Accessories

Possibility to provide the cabinet with activated charcoal filters and fan.

Constructed entirely from pickled and electrogalvanized steel, coated with powdered epoxy acid-resistance, then passage through a 200° C. thermic tunnel. Painting thickness of no less than 60 m (micron).

Completely sealed external monolithic structure. New construction using internal and exterior double cases.

Included electrogalvanized steel basins with watertight bottoms coated with epoxy anti-acid.

- Doors opening to 180°
- Key lock
- Acid-proof hinges
- "Danger" warning stickers on the doors



Tall Chemical Storage		Sizes		
Width (mm)	600mm	900mm	1200mm	
Depth (mm)	500mm	500mm	500mm	
Height (mm)	1980mm	1980mm	1980mm	



SERVICE GALLERIES



SERVICE GALLERIES

At Arias we have a wide range of service galleries that can be customized as per client's requirements in order to ensure a safe & flexible working environment. The ergonomic design of the service galleries allows easy access to connection points, permitting the passage of pipes inside it with outlets at the required position, avoiding any running over at the working area.

Service Gallery Types:

- Wall Gallery
- Island Gallery
- Horizontal Service Spine
- Shelves Models





WALL GALLERY

We have 2 types of wall gallery:



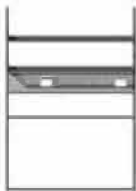
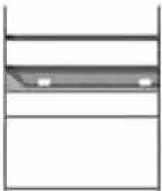
- **With Service Spine**

Gallery for wall benches with service spine system with ergonomic design that allows easy access to connection points, permitting the passage of pipes inside it with outlets at the required position, avoiding any running over the working area.

The service spine could be complemented by 1 or 2 raw shelves facing the user. Built according to Standard EN-14135, these shelves are easily height-adjustable without need to have them dismantled.




Shelves are available in steel or in glass.



	Width		Depth	Height
Unit: mm	900 / 1200 / 1500 / 1800		400 / 650	2120
Front View				
Model	GCA-90C GCA-90	GCA-120C GCA-120	GCA-150C GCA-150	GCA-180C GCA-180



SERVICE GALLERIES

	Width	Depth	Height
Unit: mm	1200 / 1500 / 1800	400 / 650	2120
Front View			
Model	GCB-120C GCB-120	GCB-150C GCB-150	GCB-180C GCB-180



• Without Service Spine

Gallery for wall benches without service spine system used to have services and outlets top mounted. The position of outlets has to be defined previously by the client.

The service spine could be complemented by 1 or 2 raw shelves. Built according to Standard EN-14135, these shelves are easily height-adjustable without need to have them dismantled. Shelves are available in steel or in glass.





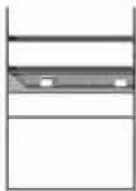
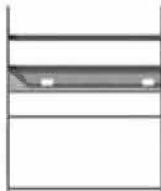
ISLAND GALLERY

We have 2 types of island gallery:

- **With Service Spine**




Gallery for island benches with service spine system with ergonomic design that allows easy access to connection points, permitting the passage of pipes inside it with outlets at the required position, avoiding any running over the working area. The service spine could be complemented by 1 or 2 raw shelves on both sides. Built according to Standard EN-14135, these shelves are easily height-adjustable without need to have them dismantled. Shelves are available in steel or in glass.



	Width		Depth	Height
Unit: mm	900 / 1200 / 1500 / 1800		400 / 650	2120
Front View				
Model	GCA-90C GCA-90	GCA-120C GCA-120	GCA-150C GCA-150	GCA-180C GCA-180



SERVICE GALLERIES

	Width	Depth	Height
Unit: mm	1200 / 1500 / 1800	400 / 650	2120
Front View			
Model	GCB-120C GCB-120	GCB-150C GCB-150	GCB-180C GCB-180



• Without Service Spine

Gallery for island benches without service spine system used to have services and outlets top mounted. The position of outlets has to be defined previously by the client.

The service spine could be complemented by 1 or 2 raw shelves on both sides. Built according to Standard EN-14135, these shelves are easily height-adjustable without need to have them dismantled.




Shelves are available in steel or in glass.



HORIZONTAL SERVICE SPINE

Laboratory trunking services supply at benches made of laminated steel and protected by epoxy paint. With registrable cover panels for easy maintenance. Modular system that can make different configurations. Integration of all service outlets including sockets and multiple connectors for information technology.



	Width	Depth	Height
Unit: mm	900 / 1200 / 1500	80	166
Front View			
Model	CEM-90	CEM-120	CEM-150



SHELVES MODELS

All gallery systems could be complemented by 1 or 2 raw shelves for one or both sides. These are anchored to the vertical profiles with steel zinc coated injection brackets coated in epoxy-polyester resin with a metallic finish. These shelves are easily height-adjustable. They are protected by coated epoxy polyester resin; they also have a 30mm high back lip to prevent accidents.

Shelves are available in 2 types:

- **Steel**

Steel shelves protected by coated epoxy polyester resin.

- **Glass**

Tempered glass used on our shelves is 3 times stronger than regular glass. In addition to its strength, it also has excellent chemical resistance and light penetration to prevent and detect contaminations and leaks of reagent.





WALL PARTITIONS & SERVICE COLUMN



WALL PARTITIONS & SERVICE COLUMN



Wall Partitions are a growing demand in research laboratories. A movable table can be added to the wall partition and use its service spine providing a maximum level of flexibility and adaptability in the laboratory.

The wall service spine includes modular and interchangeable panels, that can be adapted to any need.

Wall partitions include back panels to have an easy access to the services and registrable cover panels for easy maintenance.

Available in two options:

- Full steel
- Full steel with glass



WALL PARTITIONS & SERVICE COLUMN

A **Service column** has the main function of service connections from the ceiling and/or floor to the laboratory benches. Providing services to users, through gallery or horizontal electrical trunking systems, and may contain services in the panels, (gases, water, electricity and data).

The modular system's adaptability to different dimensions is possible through its flexibility and evolution, configurations and needs. It provides the opportunity to be central for central benches, mural for wall benches and finally they can have the total height of the room, with mural fixation and bench fixation. A service column is equipped with registrable cover panels, which facilitates easy maintenance and, if necessary, the future connections of services.

Services supplied from the ceiling or from the floor for:

- Laboratory devices on mobile tables or under-bench positions
- Floor-mounted laboratory devices
- Version with one or two sides
- Design versions for genetical engineering areas
- Additional storage area through the connection of service modules with reagent repositories.



	Width	Depth	Height
Unit: mm	330 / 900 / 1200 / 1500	150	3000
Front View			
Model	BAJG-330	TAB-90 TAB-120 TAB-150	TABV-90 TABV-120 TABV-150



ACCESSORIES



ACCESSORIES

At Arias, we are using a set of high quality accessories, that can withstand the harsh environment of the lab to ensure the product safety, durability and quality.

LABORATORY TAPS

A large choice of laboratory taps that comply with the most demanding regulations for taps and fittings (DIN12918), for handles (EN13792) and for nozzle fittings (DIN12898).



LABORATORY PRESSURE REGULATORS

For high purity gases (like carbon dioxide, hydrogen, helium & nitrogen), a large choice of regulators with gauge, inlet at rear, outlet downwards is provided.

A great variety of assembly possibilities in laboratory furniture with the required Gas type specific colour indication labels according to DIN13792.

May be combined with inlet shut-off valves, wall connectors, metering valves, different gauges and diverse accessories.

ELECTRICAL SOCKETS

Electrical socket supports compatible with containers (European and British standard). They are available in different colors.





ACCESSORIES

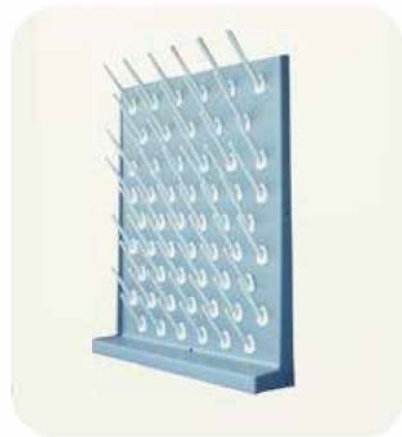
PEG BOARDS

Made with High Density PP material, our pegboard standard size is L400*W108*H550mm. With droplet water rack, single faced with a drainage hole in the middle of one-sided bottom tray for water drainage. It has removable drip stick with locking function, easy to use.

Detachable peg: Convenient for use

Installation: Could be panel mounted or deck mounted

Colour: Available in grey and black



SAFETY SHOWER

Made by galvanized steel piping with brass fittings and anti-corrosive coating in high visibility yellow or red colour. Recommended water inlet pressure 2 bar/Min. 1.5 bar/Max. 8 bar.

Shower head in ABS plastic and could include an eyewash as an additional option. It has two high flow aerated water sprays at low pressure with automatic opening anti-dust cover, and a push handle for operation.

EYE WASH

Can be a double or 1 single mouth eyewash. The eye wash body is made by solid brass. Coating: High gloss epoxy powder, resistant to most chemicals, UV fading & heat. Spray head: soft rubber, softened water spray for eye protection. Dust Cup: PP, removed automatically when eye wash is operated. PVC pipe with stainless steel wire braided, wrapped by PE pipe for rust and leakage relief. Max. working pressure: 6 Bar.





ACCESSORIES

ARM EXHAUST

Local extractor arm hood. An ergonomic and space saving solution for simple and light applications in the Laboratory. Ducting and exhaust fan of this arm comes separate and are quoted separately.



LABORATORY CHAIR

Ideally suited for tall counter height work areas.

Specifications:

- Variety of colours available.
- Chroming steel footrest ring.
- Nylon ESD 5 wheels.
- ESD Polyurethane foaming chair.

LABORATORY STOOL

Ideally suited for desk work areas.

Specifications:

- Variety of colours available.
- Height adjustment by gas spring (42-54 cm)
- Artificial leather covered seat.
- Plastic coated skeleton.
- 5 pieces rotating castors.











PRODUCT REFERENCE LIST



PRODUCT REFERENCE LIST




Sink Unit



	Width	Depth	Height	
Unit: mm	600 / 900 / 1200 / 1500	750	900	
Front View				
Model	FRE-600	FRE-900	FRE-1200	FRE-1500




Movable Cabinet



	Width		Depth		Height
Unit: mm	450 / 600 / 900		500		782
Front View					
Model	CAB4-1PR	CAB4-1P1CR	CAB4-4CR	CAB9-2PR	CAB9-2P1CR

Movable Cabinet for H750



	Width	Depth	Height
Unit: mm	450	500	632
Front View			
Model	CAB4-1PR-H750	CAB4-1P1CR-H750	CAB4-3CR-H750

Suspended / Sliding Cabinet



ing Cabinet

	Width	Depth	Height		
Unit: mm	450 / 600 / 900	500	782		
Front View					
Model	CAB4-1PS	CAB4-1P1CS	CAB4-4CS	CAB9-2PS	CAB9-2P1CS



PRODUCT REFERENCE LIST

Suspended / Sliding Cabinet for H75



	Width	Depth	Height
Unit: mm	450	500	632

Front View



Model	CAB4-1PS-H75	CAB4-1P1CS-H75	CAB4-3CS-H75
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On-Plinth Cabinet



	Width	Depth	Height
Unit: mm	450 / 600 / 900	500	880

Front View



Model	CAB4-1PZ	CAB4-1P1CZ	CAB4-4CZ	CAB9-2PZ	CAB9-2P1CZ
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Wall Bench



	Width	Depth	Height
Unit: mm	900 / 1200 / 1500 / 1800	750 / 900	900 / 750

Front View



Model	BE-900	BE-1200	BE-1500	BE-1800
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Island Bench



	Width	Depth	Height
Unit: mm	900 / 1200 / 1500 / 1800	1500 / 1650	900 / 750

Front View



Model	IBE-900	IBE-1200	IBE-1500	IBE-1800
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PRODUCT REFERENCE LIST

Movable Bench

	Width	Depth	Height
Unit: mm	1200 / 1500	750 / 900	900



Model [MBE-1200](#) | [MBE-1500](#)

H-Frame Bench

	Width	Depth	Height
Unit: mm	900 / 1200 / 1500 / 1800	750 / 900	900



Front View



Model [HBE-900](#) | [HBE-1200](#) | [HBE-1500](#) | [HBE-1800](#)

On-Plinth Bench

	Knee space Width	Depth	Height
Unit: mm	830 / 1130	750 / 900	900 / 750



Front View



Model [ZBE-1200](#) | [ZBE-1500](#)

Balance Bench

	Width	Depth	Height
Unit: mm	900 / 1200	750 / 900	900



Front View







Model [BB-900](#) | [BB-1200](#)



PRODUCT REFERENCE LIST





Overhead Cabinet



	Width	Depth	Height	
Unit: mm	600 / 900 / 1200	370	700	
Front View				
Model	WCAB6-1P WCAB6-1PV	WCAB9-ENT WCAB12-ENT	WCAB9-2P WCAB12-2P	WCAB9-COR WCAB12-COR



Tall Storage Cabinet



	Width		Depth	Height
Unit: mm	900 / 1200		460	1950
Front View				
	Model MA9-2P MA12-2P	MA9-2PV MA12-2PV	MA9-2P2V MA12-2P2V	MA9-2PENT MA12-2PENT

Open Shelf



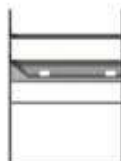
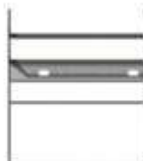


	Width	Depth	Height
Unit: mm	900 / 1200	500	1800
Front View			
Model	ESTAL-900	ESTAL-1200	

Gallery System for Wall and Central Tables




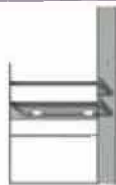






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	Width	Depth	Height	
Unit: mm	900 / 1200 / 1500 / 1800	400 / 650	2120	
Front View				
Model	GCA-90C GCA-90	GCA-120C GCA-120	GCA-150C GCA-150	GCA-180C GCA-180



PRODUCT REFERENCE LIST



Gallery System for Wall and Central Tables		Width	Depth	Height
	Unit: mm	1200 / 1500 / 1800	400 / 650	2120
	Front View			
	Model	GCB-120C GCB-120	GCB-150C GCB-150	GCB-180C GCB-180



Wall Partitions		Width	Depth	Height
	Unit: mm	330 / 900 / 1200 / 1500	150	3000
	Front View			
	Model	BAJG-330	TAB-90 TAB-120 TAB-150	TABV-90 TABV-120 TABV-150

Service Spine		Width	Depth	Height
	Unit: mm	900 / 1200 / 1500	80	166
	Front View			
	Model	CEM-90	CEM-120	CEM-150



PRODUCT REFERENCE LIST

Corner Panel		Width	Depth	Height
Unit: mm		750 / 900	750 / 900	750 / 900
	Front View			
		Model CP-A75D CP-A90D		

Corner Storage		Width	Depth	Height
Unit: mm		750 / 900	750 / 900	750 / 900
	Front View			
		Model CP-A75D CP-A90D		





CERTIFICATIONS

CERTIFICATIONS

ARIAS LABS SYSTEM CERTIFICATIONS

Our company meets the highest European standards,
quality and safety are our absolute priority.



TEST CERTIFICATE n° 230.Z.1608.479.EN.01

References: 1608142-01 - 1707040-01 - C

PRODUCT: Laboratory module hung unit,
Code: CAB4C-1PD1C,
Additional code module: CAB4C-1PD,
CAB4C-1PI, CAB4C-1PI1C, CAB4C-4C

COMPANY: ARIAS LABS SYSTEM, S.L
St/ FUENTE ALAMO, 16
28400 COLLADO VILLALBA (MADRID)
Phone.: +34 608 51 55 24
VAT: B 87540787



TEST: Compliance with the following standards:
"UNE EN 14727:2006"
Laboratory furniture - Storage units for laboratories - Requirements and test methods

RESULT: The model tested satisfactorily fulfills the specifications for the standards applied in the following sections:

TESTS	RESULT
- Sect. 6 - General safety requirements	CORRECT
- Sect. 7.1.1 – Stable position of the shelves	CORRECT
- Sect. 7.1.2 – Deflection of shelves	CORRECT
- Sect. 7.2 – Strength test of shelf supports	CORRECT
- Sect. 7.3.2 – Strength of pivoted doors	CORRECT
- Sect. 7.3.4 – Durability of pivoted doors with hinges (n= 50.000 cycles)	CORRECT
- Sect. 7.5.2 – Slam open of drawers	CORRECT
- Sect. 7.5.3 – Strength of the drawers	CORRECT
- Sect. 7.5.4 – Durability of the drawers (n= 50.000 cycles)	CORRECT
- Sect. 7.5.5 – Displacement drawer bottom	CORRECT
- Sect. 7.7.2 – Static load on top surfaces of storage units	CORRECT

Paterna, September 14, 2017


Signed: José Emilio Nuévalos
Head of Furniture Laboratory

This certificate **only** refers to the samples tested by the AIDIMME laboratory.
The particular results of the tests are described in technical report N° 230.1.1709.522.ES.01 dated on 07/24/2017

ADIFORME is a member of INNOVAWOOD, The European Network of Research and Training for the Forest, Wood and Furniture industry, among whose members are: BRE-CTTC (United Kingdom), COSMOB (Italy), DTI (Denmark), FCBA (France), ITD (Poland), SHR (Holland), SP Trätekt (Sweden), TRADA-FIRA (United Kingdom), University of Zagreb (Croatia), WKI (Germany).

ADIDME. METAL-PROCESSING, FURNITURE, WOOD AND PACKAGING TECHNOLOGY INSTITUTE
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E-mail: angarabul@adidme.com

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CERTIFICATIONS

ASHRAE110-1995:




ANSI/ASHRAE 110-1995Flow Containment & Instrumentation

CERTIFICATE OF TYPE TESTING IN ACCORDANCE WITH ASHRAE 110-1995

CERTIFICATE & REPORT NO: INV/ASHRAE110/872
ISSUE DATE: 25th September 2018


Fume Hood Supplier:
Arias Labs System
Hermanos Lumiere 12
28500 Arganda
Madrid
SPAIN



Fume Hood Type: 1.5m wide bench-type vertical-sash	Test Opening:
External Dimensions:	Width: 1200mm
Height = 2400mm	Height: 500mm
Width = 1500mm	
Depth = 900mm	
Internal Dimensions:	Fume Hood Flow:
Height = 1060mm	Flow rate: 0.340m ³ /s
Width = 1400mm	Face velocity: 0.52m/s
Depth = 660mm (wall-sash) 600mm (baffle-sash)	Press drop: 140Pa (at 250mmD)
Baffle Gap Dimensions:	Fume Hood Containment:
Top gap: 25mm	Position P1: <0.020ppm
Bottom gap: 200mm	Position P2: <0.020ppm
	Position P3: <0.020ppm
	Edge scan: <0.020ppm

This is to certify that the fume hood described above has been type-tested in accordance with ASHRAE 110-1995 and resulted in performance characteristics given in the corresponding test report.

Tested and Certified by: Dr A F Bicen



Invent UK Ltd, 85 Southdown Road, Harpenden, Herts AL5 1PR
T: +44 (0) 1582 461666 F: +44 (0) 1582 460077 E: info@invent-uk.com



CERTIFICATIONS

EN14175:



EN 14175 Flow Containment & Instrumentation

**CERTIFICATE OF TYPE TESTING IN
ACCORDANCE WITH EN 14175, PART 3**

CERTIFICATE & REPORT NO: INV/EN14175/871
ISSUE DATE: 25th September 2018

Fume Cupboard Supplier:
Arias Labs System
Hermanos Lumiere 12
28500 Arganda
Madrid
SPAIN



Fume Cupboard Type:
1.5m wide bench-type vertical-sash

External Dimensions:
Height = 2400mm
Width = 1500mm
Depth = 900mm

Internal Dimensions:
Height = 1060mm
Width = 1400mm
Depth = 660mm (wall-sash)
600mm (baffle-sash)

Baffle Gap Dimensions:
Top gap: 25mm
Bottom gap: 200mm

Test Opening:
Width: 1200mm
Height: 500mm

Fume Cupboard Flow:
Flow rate: 0.340m³/s
Face velocity: 0.518m/s
Press drop: 140Pa (at 250mmD)

Fume Cupboard Containment:
Inner-plane containment:
C1: <0.010ppm
Outer-plane containment:
C2, C3, C4, C5: <0.010ppm
Robustness of containment:
CR: 0.011ppm

This is to certify that the fume cupboard described above has been type tested in accordance with Part 3 of EN 14175, in compliance with the requirements of Part 2 and with reference to Part 1, and resulted in performance characteristics given in the corresponding test report.

Tested and Certified by: Dr A F Bicen



Invent UK Ltd, 85 Southdown Road, Harpenden, Herts AL5 1PR
T: +44 (0) 1582 461666 F: +44 (0) 1582 460077 E: info@invent-uk.com



AIDIMA

TEST CERTIFICATE nº 230.Y.1605.282.EN.01

Reference: 1604013-01 – G-i

PRODUCT: Table for laboratory model:
"ARIAS / BF9-12-D / BASIC FRAME 1200"

COMPANY: ARIAS LABS SYSTEM, S.L
St./ FUENTE ALAMO, 16
28400 COLLADO VILLALBA (MADRID)
Phone: 908 51 55 24
VAT: B 87540787



TEST: "UNE EN 13150:2001"
WORKBENCHES FOR LABORATORIES. DIMENSIONS, SAFETY
REQUIREMENTS AND TEST METHODS.

RESULT: The model tested satisfactorily fulfills the specifications for the standard applied in the following tests carried out:

TEST	RESULT
- Sect. 4 – Recommended Dimensions	CORRECT
- Sect. 5 – General safety requirements	CORRECT
- Reflection of the surface according to (ISO 2813) to 60°	13,6
- Sect. A.3.1 - Horizontal Static Load Test (Fh= 500 N)	CORRECT
- Sect. A.3.2 - Vertical Static Load test (Fv= 2000 N)	CORRECT
- Sect. A.3.5 - Stability Test Versus Horizontal Impact (M=50 kg, h = 40 mm)	STABLE
- Sect. A.3.6 - Stability under vertical load (Fv= 1000 N)	STABLE

Paterna, 29th April 2016



Signed: José Emilio Nuévalos
Head of Furniture Laboratory

This certificate only refers to the samples tested by the AIDIMA laboratory.

The particular results of the tests are described in technical report ref.: 1604013-01 dated on 29/04/2016.

AIDIMA is a member of INNOVAWOOD, The European Network of Research and Training for the Forest, Wood and Furniture Industry, among whose members are: CATAS SPA (Italy), COSMOB (Italy), CTIB-TCHN (Belgium), DTI (Denmark), ELKEDE (Greece), EWPA (Switzerland), FCBA (France), HFA (Austria), IHD (Germany), ITB (Poland), SHR (Holland), SP Trzask (Sweden), TRADA-FIRA (United Kingdom), University of Zagreb (Croatia), VTT (Finland), WKI (Germany).





Dental



Dental Simulation Bench

An ergonomic design to ensure the safety, durability & functionality

Made of 1mm Galvanized Sheet Metal with double layer for sides.

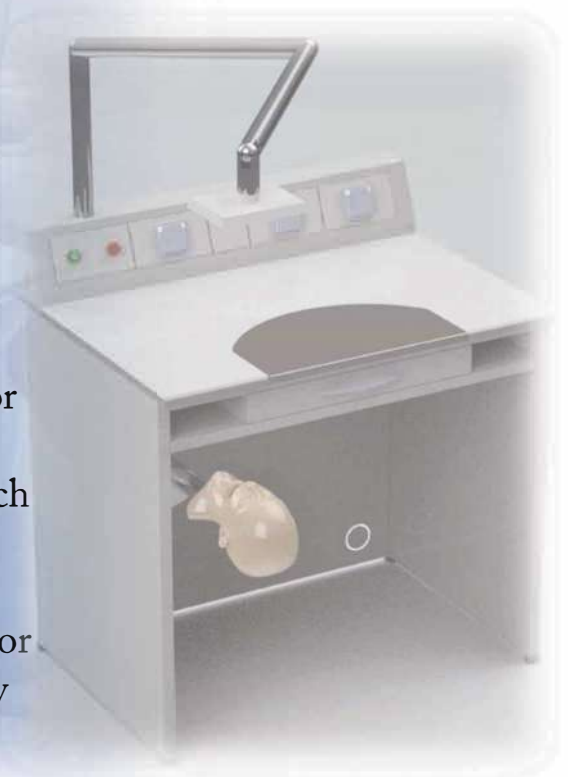
Electro-Static Powder Coated with Nano-ceramic coating technology

Under bench registrable cover panels for easy Maintenance & Disinfection.

Compatible with various types of Dummy Heads
Available with Single Drawer + Tool Motor shelf or Two Drawers .

The upper trunk has Electric Sockets / Light Switch / Sockets Switch / also can contains Gas or Air outlets.

Application: This Bench provides a perfect simulator for dentist with easy access for all tools and dummy head, widely applied in dental universities.





Partition

An ergonomic design to ensure the safety, durability & functionality

Made of 1mm Galvanized Sheet Metal and 2mm for frames.

Electro-Static Powder Coated with Nano-ceramic coating technology

Easy Assembly with no Fasteners

Double Layer and totally flush all sides.

Application: This Partition provides a perfect solution to create a separate areas inside a big hole with easy to Rearrange, widely applied in laboratories, schools, universities, hospitals, clinics and so on.



One Door Cabinet

On-Plinth

An ergonomic design to ensure the safety, durability & functionality

Made of 1mm Galvanized Sheet Metal and 1.5mm for frames.

Electro-Static Powder Coated with Nano-ceramic coating technology

Adjustable height Shelf

Double Layer door with hinges made of Zinc alloy with Opening angle capacity up to 270°

Door Handle made of 304 Stainless-steel

Application: This Cabinet provides a perfect solution to storing lab/clinic component and tools with various sizes, widely applied in laboratories, schools, universities, hospitals, clinics and so on.





DENTAL

Five Drawers Cabinet On-Plinth

An ergonomic design to ensure the safety, durability & functionality

Made of 1mm Galvanized Sheet Metal and 1.5mm for frames.

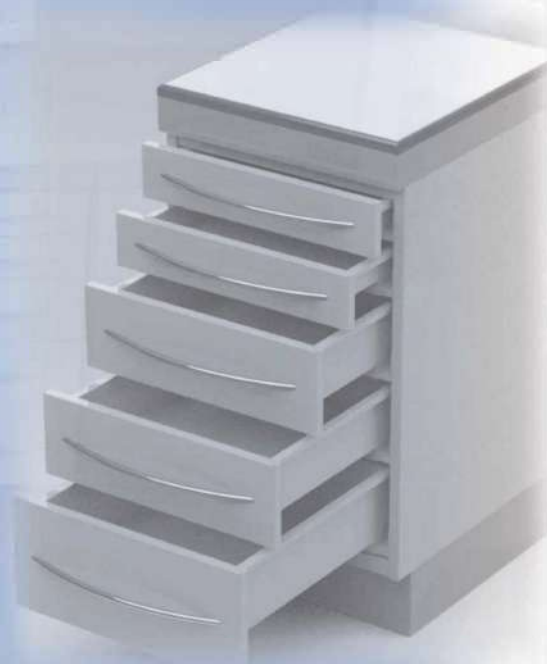
Electro-Static Powder Coated with Nano-ceramic coating technology

Various Height Drawers with soft close system

Drawer Load Capacity up to 30 kg

Drawer Handle made of 304 Stainless-steel

Application: This Cabinet provides a perfect solution to storing lab/clinic component and other tools, widely applied in laboratories, schools, universities, hospitals, clinics and so on.





Waste Cabinet

On-Plinth

An ergonomic design to ensure the safety, durability & functionality

Made of 1mm Galvanized Sheet Metal and 1.5mm for frames.

Electro-Static Powder Coated with Nano-ceramic coating technology

Swing door for tossing waste

Drawer with soft close system to carry waste basket to easy basket empty

Drawer Load Capacity up to 30 kg

Drawer Handle made of 304 Stainless-steel

Application: This Cabinet provides a perfect solution to contain contaminated waste with easy swing door for tossing waste inside the basket and easy way to empty the basket or change it, widely applied in laboratories, hospitals, clinics.





Trolley Cart

An ergonomic design to ensure the safety, durability & functionality

Made of 2mm Galvanized Sheet Metal.

Electro-Static Powder Coated with Nano-ceramic coating technology

Three levels of shelves – Middle Shelf Adjustable Height

Load Capacity up to 35 kg

Heavy Duty 360° Rolling Caster Wheels

Application: This Trolley Cart provides a perfect solution for storing lab/clinic equipment and other supplies, widely applied in laboratories, schools, universities, hospitals, clinics and so on.





ESD Bench



Introduction

ESD Benches

ESD workbenches are used in assembly lines and reparation workplaces to prevent Electro-Static Discharge (ESD) events from occurring and damaging the product. They are a key element of many Electrostatic Discharge Protected Areas (EPAs) in the electronic industry.



- An ESD workbench made by ARIAS Lab Solutions can be designed and customized to not only fit your exact specifications, but to also to prevent electrostatic charges from accumulating on electrical sensitive devices when working



Construction

ARIAS ESD workbench is constructed of heavy-duty metal structure was designed to provide a flexible modular solution with high strength, stability, persistence and under bench registrable cover panels for easy maintenance. It can incorporate different types of under bench cabinets: suspended, sliding or on-wheels depending on the client's needs.

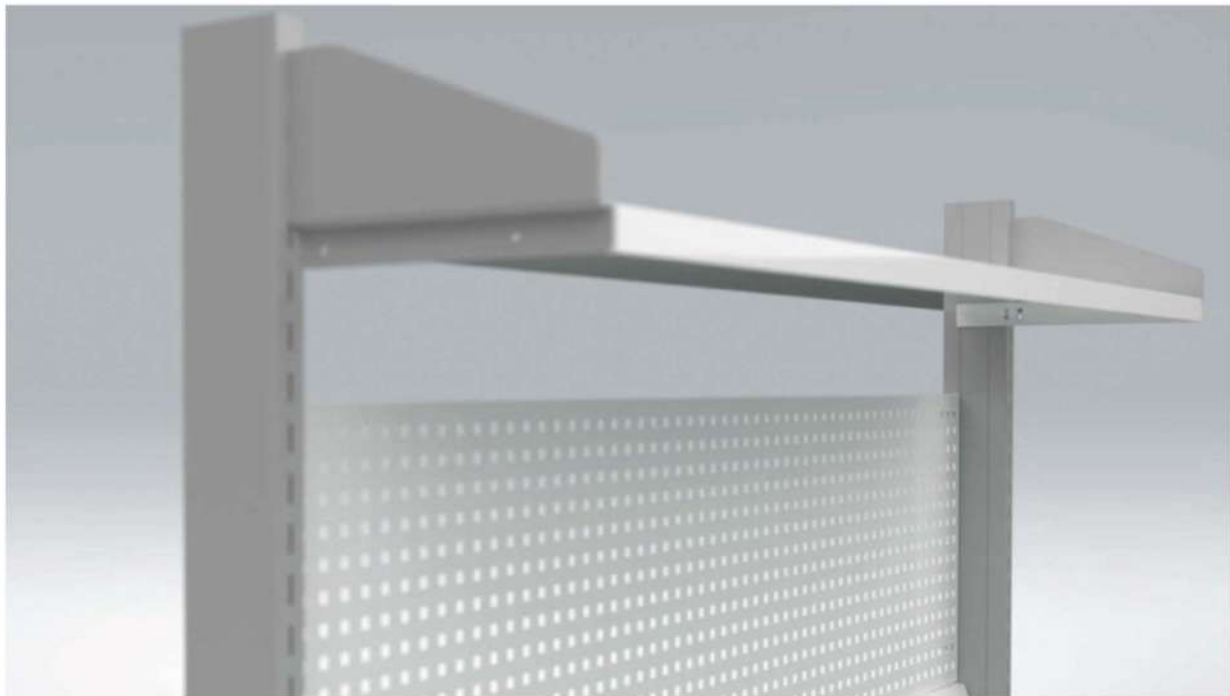




Surface Finish

ARIAS Benches are coated by a high resistant electrostatic powder paint. The painting is specially formulated to satisfy the ESD needs in order to be optimized with ESD system.

Its excellent gloss retention and resistance to color change, combined with other outstanding properties are what makes Arias different.





Work Top

The ESD workbench is provided with durable Laminate top covered with worksurface ESD mat.

ESD Mat is made of Conductive rubber and static dissipative rubber which Providing a low charging (antistatic) worksurface area that will limit static electricity to be generated below potentially damaging levels.



ESD Mat

- Reflection breaking surface to reduce glare and improve operator comfort
- Protection against small collisions thanks to natural resilience of rubber
- Prevention of sliding of delicate components thanks to excellent friction coefficient
- Heating resistance: rubber does not melt or burn coming into contact with hot metal parts or soldering debris
- Chemical resistance - Oil resistance - scratches resistance.
- Suitable for loose laying: does not require application with adhesive
- Excellent flexibility and comfort



Grounding

The work surfaces, wrist straps, are connected to a common point and is properly grounded.

Proper grounding ensures that any static charges accumulated on these surfaces are safely dissipated to the ground, rather than being discharged into sensitive electronic equipment.



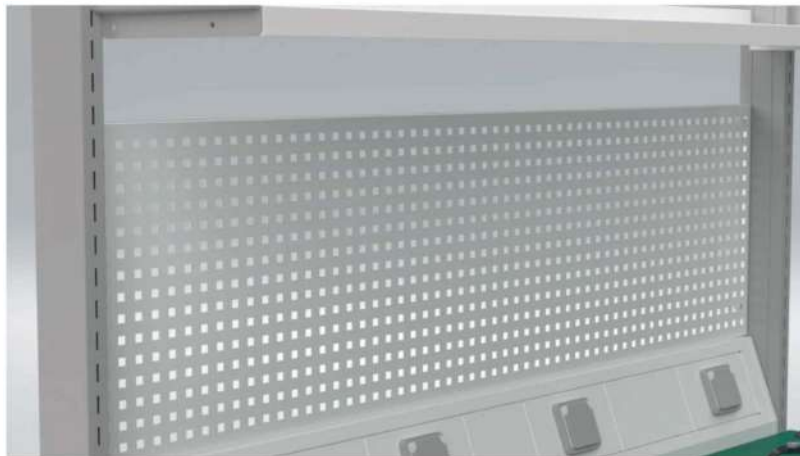


Storage

The ESD Workstation comes with a tool panel storage rack used for organizing and storing tools on a panel, this type of storage solution offers several advantages like:

Space Efficiency-Accessibility-Safety

and a standard (2-3-4-5) drawers storage cabinet on one/both sides per request.





Safety

All wrist strap, ESD workstation structure are connected with resistors grounded through electrical power outlet grounding terminal, to protect user against electrostatic shocks. And to protect the electronic components they're handling by safely dissipating any static electricity that could otherwise damage them.



ANSI ESD Standards

All parts and components were configured according to the ANSI ESD Standards.





SELA is a prestigious brand that has specialized in the manufacturing of equipment for catering and professional kitchen systems ever since the foundation of the company in 2020.

SELA has always looked for technological innovation and quality excellence. It constantly and diligently works to ensure a competitive price, achieved without compromising on the safety of its products, but instead concentrating on a careful choice of materials and components.

SELA is able to anticipate new trends, supporting chefs and allowing them to achieve excellence.

WILLINGNESS TO LISTEN

Listening carefully to our customers is what determines our business strategies and drives our culture.

Acquiring and continuously updating knowledge about their needs, motivation and behavior is the key to excellence and customer satisfaction.

شركة صلة هي علامة تجارية مرموقة تخصصت في تصنيع معدات تقديم الطعام وأنظمة

المطبخ الاحترافية منذ تأسيس الشركة في عام ٢٠٢٠.

لطالما بحثت **شركة صلة** عن الابتكار التكنولوجي والتميز في الجودة.

إنها تعمل باستمرار وبجد لضمان سعر تنافسي، يتم تحقيقه دون المساومة على سلامة منتجاتها

، ولكن بدلاً من ذلك تركز على إختيار دقيق للمواد والمكونات

شركة صلة قادرة على توقع الاتجاهات الجديدة، ودعم الطهاة والسماح لهم بتحقيق التميز.

الرغبة في الاستماع

إن الاستماع بعناية لعملائنا هو ما يحدد استراتيجيات أعمالنا ويدفع ثقافتنا.

إن اكتساب المعرفة وتحديثها باستمرار حول احتياجاتهم ودوافعهم وسلوكهم هو مفتاح التميز

ورضا العملاء

Tamer abdelnabi

CEO, & Founder of SELA co.



Integrated Scientific Group

ITALIAN HOT LINE

Get It Through **SELA**



*Cooking Equipment
Display & Service*

MADE IN ITALY





Integrated Scientific Group





Integrated Scientific Group

FORNI

Viorini

Get It Through **SELA**

WE HELP CUSTOMERS
TO STREAMLINE THEIR
PRODUCTION PROCESSES
AND TO FIND APPROPRIATE
SOLUTIONS TO ANY CHALLENGE.

**OVENS, MACHINES AND LINES
FOR BAKERY AND PASTRY**

MADE IN ITALY





Integrated Scientific Group



RACK OVEN BABY
Extremely Compact And Versatile,
The Rack Oven Baby
Is Perfect For Little Bakeries
And Pastry Shops.



RACK OVEN ROTOR
Extremely Versatile,
It Perfectly Fits The Most Diverse Products
And Different Processing Systems.



Integrated Scientific Group

PIRON
professional ovens

Get It Through **SELA**



**Combisteamer
and Convection Oven**

MADE IN ITALY





Integrated Scientific Group





Integrated Scientific Group

SIRMAN[®]

Get It Through **SELA**



Meat Mixer



Tilting Meat Mixer



Meat Grinders



Meat Mixer



Meat Grinders



Vegetable Cutter

MADE IN ITALY



Integrated Scientific Group

Bone Saw



Vegetable Cutter





Integrated Scientific Group

**SIRMAN**[®]

Get It Through **SELA**



Horizontal Cutter



Vegetable Cutter



Meat Grinders



Potato Peeler



Vegetable Dryer

MADE IN ITALY



Knife Sterilizer





Integrated Scientific Group



Quiet Blender



Milk Shaker



Blender





Integrated Scientific Group



Get It Through **SELA**

STEAM DUMMY



TOPPER COMBI

REVOLVING IRONING UNIT,
TO BE CONNECTED TO A STEAM
SOURCE, COMBINING A TOPPER FOR TROUSERS
WITH MANUAL PELVIS STRETCHER
AND A DUMMY FOR JACKETS
AND COATS TO BE CONNECTED TO A STEAM SOURCE



PEGASO/A

PNEUMATIC STEAM DUMMY WITH 10 L. BOILER
IT IS EQUIPPED WITH HEATED FRONT PADDLE AS WELL AS CUFF
CLAMPS OPENING/CLOSING WITH PHOTOCELLS
ESPECIALLY DESIGNED FOR THE FINISHING OF COATS,
JACKETS AND SHIRTS



ZEUS/A mod. 2009

STEAM DUMMY WITH 10 L. BOILER
ESPECIALLY DESIGNED FOR THE FINISHING OF COATS,
JACKETS, ANORAKS, SWEATSHIRTS AND SHIRTS.
THE SHOULDER WIDTH IS ADJUSTABLE

MADE IN ITALY





Integrated Scientific Group

IRONING TABLES

URANO '98 VAP mod. 2005

HEATED, VACUUM AND
STEAMING RECTANGULAR
IRONING BOARD,
WITH BOILER AND IRON



ERA mod. 2010

HEATED AND VACUUM
IRONING BOARD EQUIPPED
WITH BOILER AND IRON



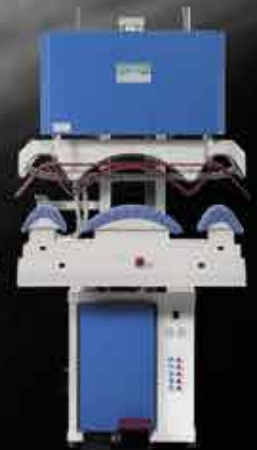
PRESS MARTE

PNEUMATIC
IRONING PRESS



PRESS MARTE COLLAR AND CUFFS

PNEUMATIC COLLAR AND CUFFS
IRONING PRESS



BAR COLLECTION

Get It Through SELA

CASADIO
GRUPPO CIMBALI

BREMA
Ice Makers

NECTA

Cunill

JTC

MUXENA



Professional
Citrus Juicers.

Heavy Duty
Professional Blender,
High Efficient Motor.

EKTOR
slow Juicer



متخصصون فى أعمال تجهيزات المطابخ المركزية

Get It Through SELA



Gas Range



Gas - Electric Frytop



Electric Fryer



Charcol Grill



Boiling Pan



Tilting Pan



Hood

MADE IN EGYPT



Single Sink Unit



Work Table



Shelving Unit

للغنادق - القرى السياحية - المستشفيات -
النوادي - المراكب العائمة .
يتم التصنيع بأحدث تكنولوجيا ماكينات CNC
المتخصصة في صناعة معدات المطابخ الفندقية
التي تتيح لنا الانتاج بجودة عالية
تضاهي كبرى الشركات العالمية .



Integrated Scientific Group
I. S.G.



ARIAS EGYPT
FURNITURE AND EQUIPMENT





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Material specifications & Manufacturing Process



STANDARDS & SPECIFICATIONS

Arias Metal Doors provide the best long-term value in the door and frame industry. It lasts longer, requires the fewest repairs, and is sturdier than other products.

Steel's natural strength also outperforms other materials in security, sound reduction, vandal resistance, sanitation, and more. Other door materials are still unable to match the performance and longevity of metal. Our metal doors offer endless options for attractive appearances. Whether you are looking for a modern stainless-steel appearance, a vibrant colored finish, or even a flux finish, metal's versatility allows it to satisfy the aesthetic requirements of any projects.

Terminology

All critical, installation and functional tolerances will be in accordance with the industry tolerance published in and by the Steel Door Institute (SDI) and the Hollow Metal Manufacturer Association (HMMA).

The terms covered in this manual are in accordance with those published by:

- **SDI: ANSI A250.6** Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames.
- **ANSI A250.7** Nomenclature for: Standard Steel Doors and Steel Frames.
- **ANSI A250.8** Recommended Specifications for Standard Steel. Door and Frames.
- **HMMA: HMMA 801-05** Glossary of Terms for Hollow Metal Doors and Frames.
- **HMMA 801-09** HOLLOW METAL DOORS.
- **HMMA 831-11** HARDWARE LOCATIONS FOR HOLLOW METAL DOORS AND FRAMES.
- **HMMA 861-06** GUIDE SPECIFICATIONS FOR COMMERCIAL HOLLOW METAL DOORS AND FRAMES.
- **HMMA 801-05**
- **NFPA80**



Humidity



Green Building Material



Antimicrobial



Acoustic Property



Fire Classification



Light Reflection



Cleanable



Bullet / Blast Resistance

METAL DOORS

INSULATED DOORS (FI)

Full range of insulated doors. Designed to suit the power substations, cold stores, heat transfers applications and other similar locations.

FEATURES

- Has continuously foamed in-place insulation
- With non-conductive thermal break
- Smooth and flush exterior finish
- Excels in energy efficiency and durability
- Impact resistant.
- Interior and exterior usage.
- Light weight.



LEAD LINED DOORS (LL)

The criteria to prevent penetration of X-Ray radiation through the door up to certain limits depend on the intensity and density of generated radiation from machines or equipment's available in the room or laboratory. We supply Lead Lined Doors according to specific customer's requirements of the generated radiation intensity and density and specified test standards. These doors are mainly used to provide radiation protection in hospitals and health clinics.

FEATURES

- With lead sheets integrated into doors and frames for strength and vandal resistance
- Continuously welded, seamless door edge and



ACOUSTIC DOORS (AD)

A complete range of single and double door sets to suit the performance up to RW53 to suit cinemas, studios, mechanical rooms, generator rooms and other sound polluted rooms.

FEATURES

- Noise reduction up to 45db
- Double up as security doors
- Light weight.
- Long term performance and durability



LOUVERED DOORS (LD)

We offer a wide variety of louver models and finishes within each category of louver types. The louvers serve a certain need and requirement within the air movement and control.

FEATURES

- Promote airflow and stable the temperatures in rooms
- Secure key areas
- Wide range of security upgrades, vision panels, door viewers and access devices

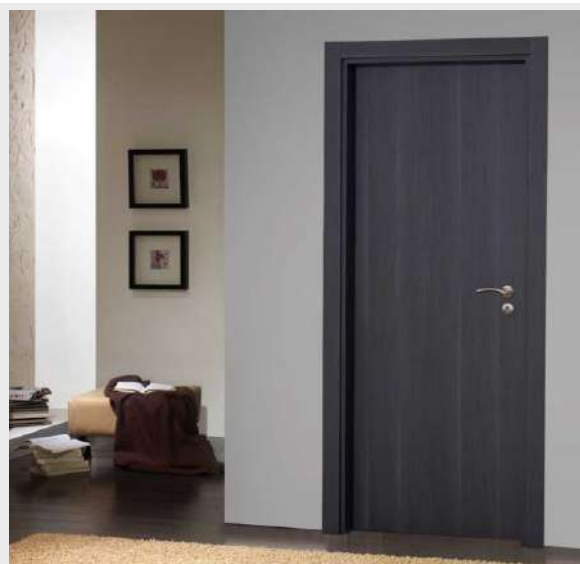


PERSONNEL DOORS (PD)

A complete range of single and double door sets designed to satisfy the varied requirement of general purpose internal and external applications.

FEATURES

- Wide selection of sizes and style
- Quick and easy to install
- Available with variety of internal and external accessories



SLIDING DOORS (SL)

Sliding doors are horizontally sliding, top hung, single or multi-panel, single or bi-parting doors. The doors have track and roller assembly with all necessary accessories required for smooth operation. These doors provide security for persons and goods in area like mass marketing, industrial storage etc.

FEATURES

- Heavy duty steel ball-bearing, tandem roller assembly
- Stainless steel track inserts for sliding panels
- Painted finishes in standard and custom choices



SECURITY DOORS

BURGLAR RESISTANT DOORS (SBR)

Made of steel, the ultimate material for protection against violent attacks, anti-Burglary security door is made of a thick steel leaf (double 2 mm steel). The sectional frame and strong hinges are designed for extra strength. Dog bolts prevent tearing out of the door leaf even if the hinges have been severed. Solid steel reinforcements are integrated inside the leaf and frame, ensuring safety as well as aesthetic finish.

FEATURES

- High quality anti-rust galvanized steel door
- Frames installed with mortar
- Polystyrene filling, thermal and acoustic insulation
- Resistant to climatic effects



TECHNICAL SPECIFICATIONS



STANDARD TECHNICAL DETAILS

Steel Door set Characteristics

- Strong durable and impact resistant
- Unaffected by moisture; will not warp, swell or rot
- Excellent surface finish, smooth and durable
- Prepared & reinforced to receive a wide range of hardware
- Inherent hygienic properties
- Reduced maintenance and lower cost of ownership
- Enhanced security and acoustic characteristics
- Environmentally friendly - 100% recyclable
- Long life performance and improved life cycle costs

Options

Single and double door sets
Single and double swing
Side and over panels
Banks of door sets
Vision panels
Fully glazed
option block
louvres
Full range of premium hardware sets and accessories

Frame Profiles

Materials: 1.50 - 2mm thick galvanized steel Profile:
See Jamb Types.
Jamb depth: 100 - 250mm

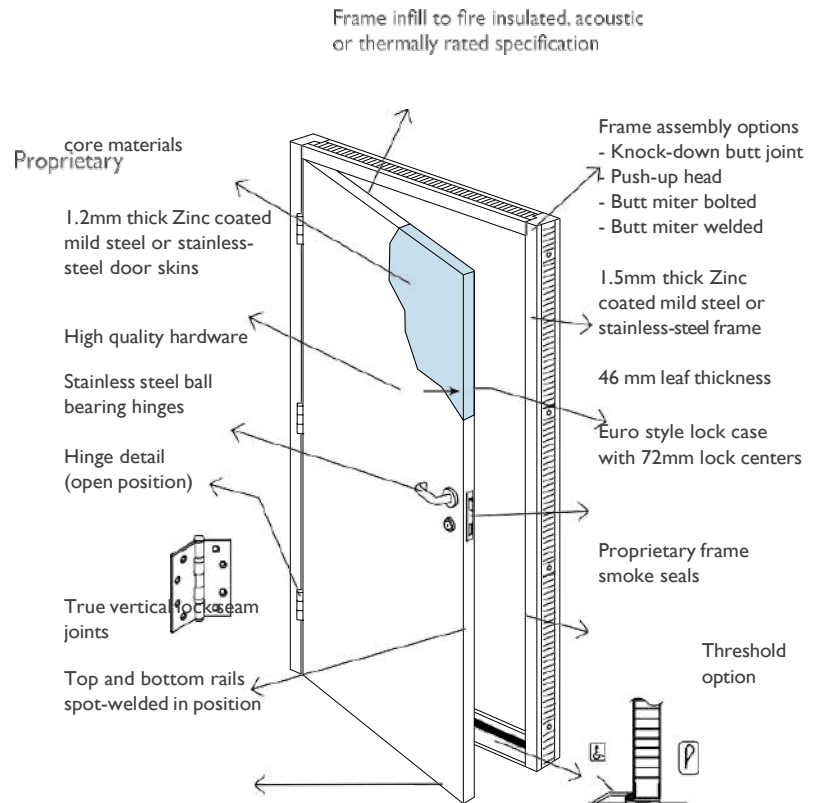
Door Leaf Construction

Leaf thickness: 46mm Thick
Material: 1.2 - 2mm thick galvanized steel

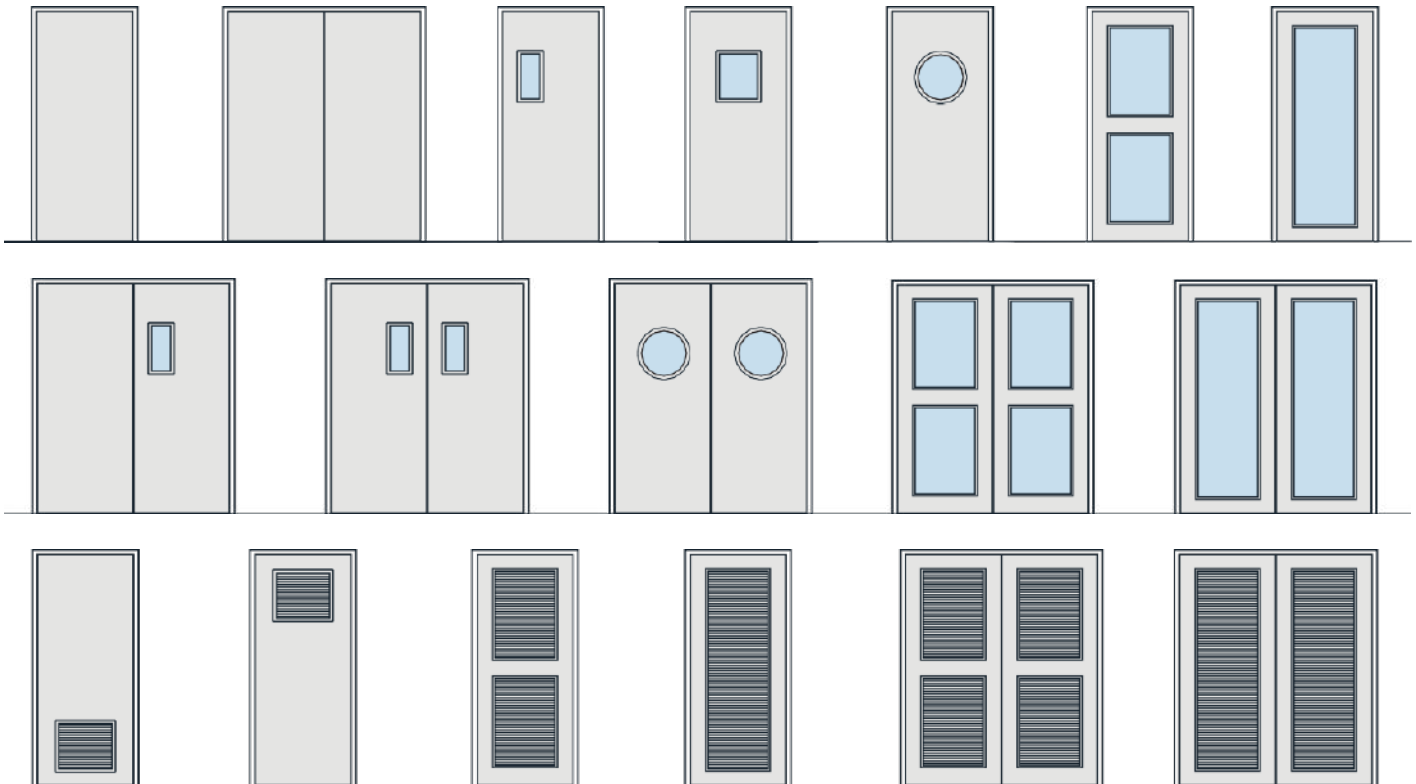
Specification information

CAD drawings - DXF or DWG versions
NBS Specification (Document L20-Doors/
Shutters/Hatches)

Door Features

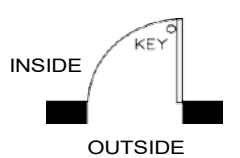
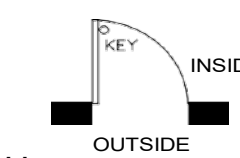
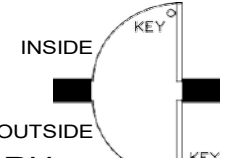
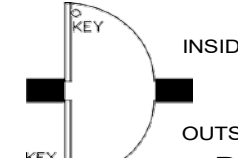
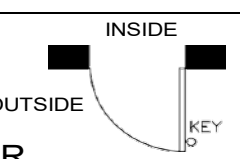
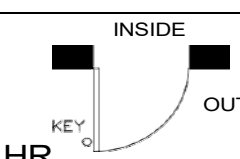
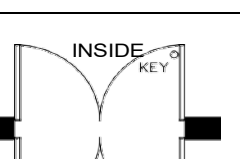
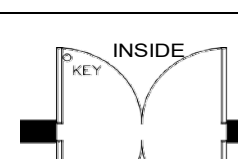
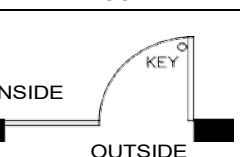
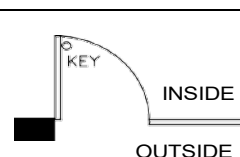
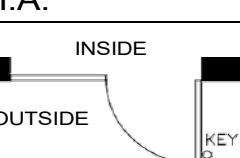
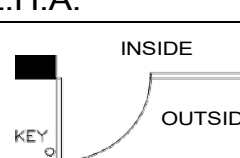


DOOR CONFIGURATIONS



Note: Other door configuration can be available upon request.

HANDLING DIRECTIONS

SINGLE LEAF DOOR		DOUBLE ACTING DOORS	
 RH	 LH	 DA-RH	 DA-LH
 RHR	 LHR	 DA-RHA	 DA-LHA
DOUBLE LEAF DOOR		LEGENDS	
 R.H.A.	 L.H.A.	<p>L.H. = LEFT HAND R.H. = RIGHT HAND L.H.A = LEFT HAND ACTIVE R.H.A = RIGHT HAND ACTIVE. DA-LH = DOUBLE ACTING LEFT HAND DA-RH = DOUBLE ACTING RIGHT HAND L.H.R. = LEFT HAND REVERSE R.H.R. = RIGHT HAND REVERSE L.H.R.A = LEFT HAND REVERSE ACTIVE R.H.R.A = RIGHT HAND REVERSE ACTIVE DA-LHA = DOB. ACT. LEFT HAND ACTIVE DA-RHA = DOB. ACT. RIGHT HAND ACTIVE</p>	
 R.H.R.A.	 L.H.R.A.		

STANDARD DOOR FRAMES

Material

Cold Rolled Steel, Galvanized Steel, Stainless Steel

Thickness

Gauge	14	16	18
Millimeters	2.0	1.5	1.2

Technical Data For Standard Frames (DXH)

Double Rebate Frame	150 x 50 mm		
Single Rebate Frame	150 x 50 mm	100 x 50 mm	
Frame Assembly	Mitered	Butted	Welded

Standard Heights (Wall Openings)

Inches	6' 10 ³ / ₅ "	6' 10 ³ / ₄ "	7' 2 ⁵ / ₈ "	7' 10 ¹ / ₂ "	8' 10 ¹ / ₄ "
mm	2000	2100	2200	2400	2700

Frames

Available in mitered joint and butted assembly, our frames are supplied in knock down form for easy assembly at site. Welded tech, miter

Features

- Available in Cold rolled, galvanized and stainless steel
- Frames available in single and double rebate
- All frames are prepared for receiving hardware
- Frames can also be designed for flush fixing
- Electrostatic Primed and finish painted

Optional

- Frames with Architrave
- Frames with inbuilt seals

PREPARATION

Hinge Jamb

5 mm thick steel hinge reinforcement door and frame for receiving the hinge.

Strike Jamb

3 mm thick steel lock strike reinforcement with tapped holes welded to the frames.

Mortar Guard

1.2 mm thick steel plaster guard or mortar guard is provided at the back of all hardware cutouts in the



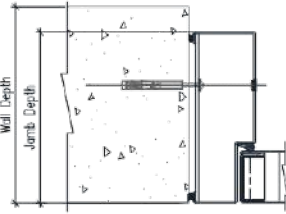
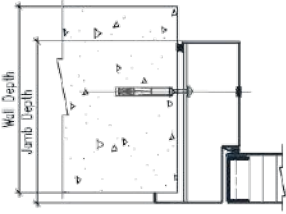
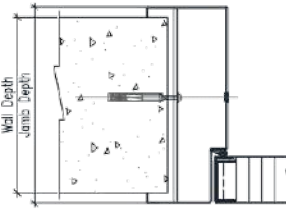
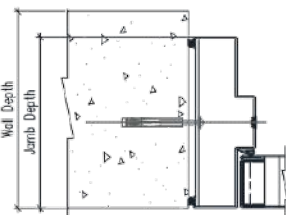
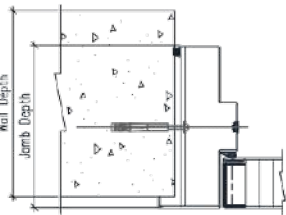
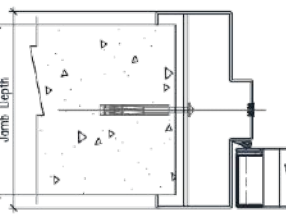
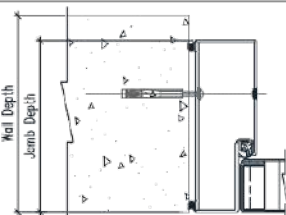

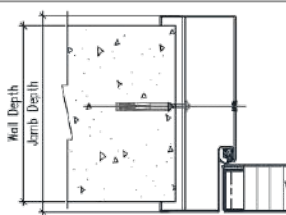
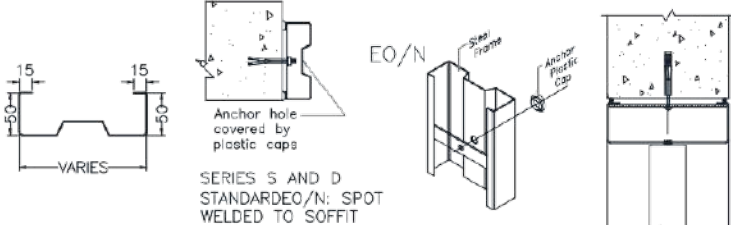
Hinge Jamb

Strike Jamb

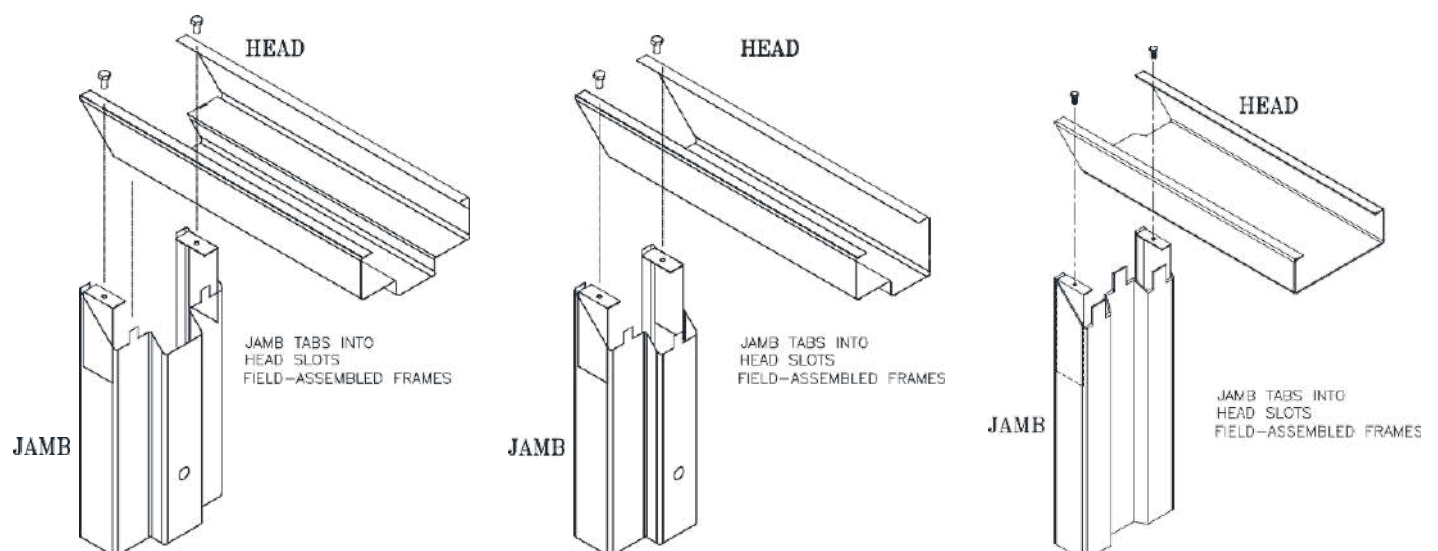
Hinge Mortar Guard

Strike Mortar Guard

JAMB TYPES

	WITHOUT ARCHITRAVE	ONE-SIDED ARCHITRAVE	TWO-SIDED ARCHITRAVE
SINGLE REBATE			
DOUBLE REBATE			
SINGLE REBATE W/ SEAL			
SWING DOORS	 <p>NOTE:</p> <ol style="list-style-type: none"> FRAMES VARIES AS PER CLIENT SIZE. OUR MINIMUM FRAME STOP IS 19MM. INSULATION VARIES AS PER REQUIREMENT: -Honeycomb -Rockwool -Polystyrene -Polyurethane LEAF CAN BE ADDED WITH STIFFENERS 		

KNOCKDOWN FRAMES



Hardware



STANDARD HARDWARE OPTIONS

IRONMONGERY SET OPTIONS

To simplify the specification of ironmongery for your Steel Door sets, we have pre-selected a number of standard ironmongeries set functions suitable for most door opening requirements.

These sets have been produced using over 10 years' experience of supplying steel performance doors to construction industries across the world.

Each set has been drawn up from our ironmongery and has been carefully chosen to provide functionality, robust performance and stylish design. Our brand is synonymous with high quality design, reliability and durability and is at the forefront of supplying products that meet new European standards.



Panic Device

Panic bolt and panic latch are supplied in silver finish. When used as a pair on double doors a box keep is also supplied as part of the set. Panic hardware is CE marked to EN 1125.

Outside Access Device

Outside access device (OAD) supplied in a silver finish. The lever operated unit is supplied complete with Euro profile cylinder.

Pull Handle

Stainless steel pull handle with concealed face fixing roses. The 20mm diameter pull has 300mm centers making it compatible with the dimensional requirements of BS 8300. Produced in Grade 304 Stainless steel with a brushed finish.



Push Plates

For use in conjunction with the pull handle is a stainless-steel push plate 300x 75mm supplied with countersunk head self-tapping screw fixing. Produced in Grade 304 stainless steel with a brushed finish.

Hinges

Stainless steel ball bearing butt hinges in Grade 304 stainless steel with a brushed finish, Hinges are to EN 1935 Grade 13 and tested to 1 million cycles. Designed specifically for use with steel doors the hinge is template drilled for accuracy of fitting with machine screws.

Escutcheons

Matching lock function escutcheons or bathroom set with concealed fixings for use with Briton lever or pull handle furniture. Brushed finish Grade 304 stainless steel

Overhead Door closer

Overhead door closer in silver finish. The closer has adjustable power and backcheck facility. Door closer can be fitted on the push or pull side of the door. Closers are CE marked to EN 1154.

Door Selector Door

To co-ordinate the closing order of a pair of doors. Silver finish.

Door Stop

Floor Mounted door stop

Mortice Lock cases

Lock cases have Euro style 72mm centers (78mm bathroom) and a 55mm backset. The forend is satin stainless steel with matching strike plate. Locks are CE marked to EN 12209 and comply with the dimensional requirements of BS 8300. Supplied complete with temporary cylinder & turn where appropriate.

Signage

Fire exit - Rigid plastic white/green (200 x 600mm)
Fire exit keep clear -Rigid plastic white/blue (200 x 200mm)
Push bar to open - Self-adhesive white/green (90x500mm)
Fire door keep locked (80 x 80mm)
Fire door keep shut (80 x80mm) All signs comply with BS5499.

Flush Bolt

Lever action concealed flush bolt; Factory fitted into the leading edge of the inactive leaf of a pair of doors. Supplied as a pair for the top and bottom of the door. SCP finish.

Lever Handle

Contract series rose mounted 19mm diameter lever furniture with concealed bolt through fixing for stability and durability. Levers comply with the performance requirements of EN 1906.



Panic Device



Outside Access Device



Pull Handle



Door Stop



Overhead Door Closer



Push Plate



Lever Handle



Escutcheons



Mortice Lock Cases



Hinges



Door Selector



Flush Bolt

STANDARD MATERIALS & FINISHES

MATERIALS:

- Galvanized steel
- Cold rolled steel
- Stainless steel grade 304 & 316

FINISH PERFORMANCE:

- Corrosion-Resistant
- Cleanable
- Antimicrobial (Optional)

FINISHES:

- Electrostatic Epoxy Powder Coated
- Electrostatic Polyester Powder Coated
- Electrostatic Textured
- Electrostatic Smooth
- Mirror Finish
- Brush Finish
- Standard RAL Colors

Note: Other finishes can be available upon request



Material specifications & Manufacturing Process

STEEL SHEET

Our doors are manufactured by cold rolled steel.
That gives high durability and smooth surface

PAINTING PROCESS

Our painting is an electro-static powder coated product.

These products are specially formulated to satisfy the highest demands of the doors industry to obtain very high **resistance to Scratch**.

Its excellent gloss retention and resistance to color change is combined with excellent properties. Our painting process follows these meticulous steps:

1. Cleaning: Acid washing, phosphating.
2. Drying.
3. Product examination.
4. Preparation: Polishing and Dedusting.
5. Acid resistant Epoxy powder automatic painting.
6. Drying at 200°C in special oven.
7. Cooling and packing.





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References





References in Egypt

مدينة زويل للعلوم والتكنولوجيا	1
مصنع بيبسي طنطا	2
كلية الطب - جامعة بورسعيد	3
كلية الزراعة الصحراوية جامعة الملك سلمان	4
كلية الهندسة الكيميائية - جامعة بورسعيد	5
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كلية الصيدلة جامعة القاهرة	7
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References outside Egypt

1	Valencia (Spain)
2	Arbil (Iraq)
3	Qatar
4	Dubai
5	DIABETE CARE CENTER – Jeddah – KSA
6	ENVIRONMENTAL LAB – Jeddah – KSA
7	TOXICOLOGY LAB – Mekha – KSA
8	GLOBAL STEEL DUST FACTORY – Dammam - KSA
9	KACST MICRO LAB– Riyadh - KSA
10	SAADEDINE PASTRY LAB – Al-Kharj – KSA
11	FEED LAB – Qassim – KSA
12	SAGO (Saudi Grains) – Jeddah – KSA
13	BAJA FOOD LAB - Jeddah – KSA
14	AL-FARAHID MARINE LAB – Jeddah – KSA



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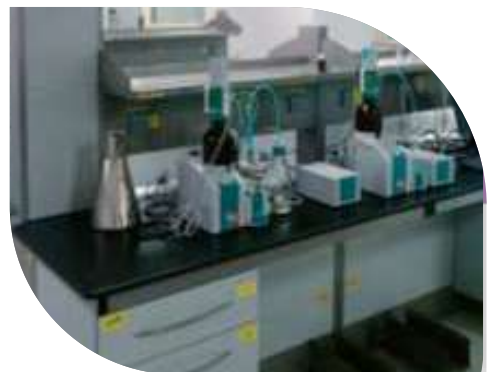
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