



Adarsha control systems pvt ltd is an professionally managed, ISO 9001-2008 accredited company, having more than fifteen years of long standing expertise in sheet metal manufacturing & panel building activities, catering to various types of industries.

Adarsha is located in Peenya - heart of Bangalore's premier industrial estate. Our state-of-the-art manufacturing facility of over 55,000 Sqft area, consisting of CNC machines from Japan supported by host of other machines & fixtures and an powder coating plant with pre-treatment facility backed by highly qualified, skilled & experienced technical staff, with the support of ERP, 5S & ISO systems, ensures High Standards and world class products.

We have the infrastructure capability and technical competence to manufacture all types of electrical & instrumentation panels like - DCS, PLC, Drive panels, Control & Relay Panels for T&D, PCC/MCC Panels & Control Desks and PC Enclosures in line with International standards



BY INNOVATIONS

**ADARSHA GOAL** 

We ensure "customer satisfaction" by making all our employees to believe and to enact as their representatives in Adarsha Control Systems.

It is the synergy of excellent infrastructure set-up, focus on quality and the pride of our employees to ensure customer satisfaction that has established our leadership & Brand image in the area of electrical control panels & precision sheet metal products.



**Adarsha Quality**

Quality products define the existence of Adarsha Control Systems Pvt Ltd. As a fruit of our Quality assurance, we have been accredited with the prestigious ISO 9001-2008 Certificate



ISO 9001-2008

**Forging ahead for the future**

Adarsha Controls, a group specialized in panel integration & Sheet Metal Manufacturing, has taken an integrated approach of quality, functional characters, safety and modernity to meet the increasing market expectations.

Adarsha Control Systems Pvt Ltd, established in the year 1993, is a name to reckon within the industry. Over the years, we have established ourselves as a major control panel manufacturer offering Enclosure solutions for all the critical Electrical and Instrumentation needs.

The Quality assurance dept equipped with latest testing gadgets is an integral part of the manufacturing process to ensure Zero defect output. The Design team with modernized software tools is capable of handling new challenges to provide cost effective & flexible solutions.




**Vision** 

Through innovation, world class practices create "Total Customer Delight" with Consistency, Quality, Functionality and on Time Delivery

**PRODUCT SPECTRUM**

- Floor Mounted Modular Enclosures
- Wall mounted Junction Boxes
- Stainless Steel Products
- Data Communication Products
- Console & Desk range
- MCC Panels

## Reflex Floor Standing Enclosures

Reflex Floor standing Rack is a unique concept on a modular platform designed for multiple application. The construction is flexible to accommodate different flat part combinations. The frame construction with corner blocks make the rack robust with a high load bearing capability



Protection IP 55

### Technical Details

#### Reflex Rack Systems

- Huge space inside the Racks to Mount various instruments
- 19" Rack Mounting option
- Mounting Plate option for front & rear side
- Swing frame option at front side
- Front Glass door option
- Front Double door option
- Front cover option for Control panel
- Louvers option as per standard

#### Reflex Rack Accessories

- Side Brackets of 3 Nos each side
- Coupling kit for Baying
- Side cover fixing kit
- Mounting Plate fixing kit
- Document pouch of A4 size (Plastic / Metal)
- Standard 3 Point locking system
- Mounting Plate infill option

#### Standard Offering

Includes formed frame with Corner Blocks, Front Hinged Door with 3 Point locking system with a Swing Handle, Rear Bolted cover, One pair of Depth side rails, Top plates with 4 Eye bolts, Bottom with 2/3/4 Gland plate portion and One full height Mounting plate

#### Reflex Rack Material

Frame construction : CRCA of 1.6mm thick with 2 parts, fully welded

Side Panel	: 1.6 mm thick
Door	: 2.0 mm thick
Gland Plate	: 3.0 mm thick
Mounting Plate	: 3.0 mm thick
Plinth 'C' Type	: 3.0 mm thick

#### Reflex Rack Finish

Enclosure and door powder coated with structured finish.

Mounting plate is powder coated or GI.

'C' Plinth is powder coated to RAL 7022 - Dark Grey or Black

#### Reflex Rack Series - 1600 Height

Sl No	Model No	H	W	D
1	ACS-RR-404016	1600	400	400
2	ACS-RR-604016	1600	600	400
3	ACS-RR-804016	1600	800	400
4	ACS-RR-405016	1600	400	500
5	ACS-RR-605016	1600	600	500
6	ACS-RR-805016	1600	800	500
7	ACS-RR-105016	1600	1000	500
8	ACS-RR-125016	1600	1200	500

#### Reflex Rack Series - 2000 Height

Sl No	Model No	H	W	D
1	ACS-RR-606020	2000	600	600
2	ACS-RR-806020	2000	800	600
3	ACS-RR-106020	2000	1000	600
4	ACS-RR-126020	2000	1200	600
5	ACS-RR-608020	2000	600	800
6	ACS-RR-808020	2000	800	800
7	ACS-RR-108020	2000	1000	800
8	ACS-RR-128020	2000	1200	800
9	ACS-RR-608020	2000	600	800
10	ACS-RR-808020	2000	800	800
11	ACS-RR-108020	2000	1000	800
12	ACS-RR-128020	2000	1200	800

#### Reflex Side Panels

Sl No	Model No	H	W
1	ACS-SP-1640	1600	400
2	ACS-SP-1660	1600	600
3	ACS-SP-1680	1600	800
4	ACS-SP-1840	1800	400
5	ACS-SP-1860	1800	600
6	ACS-SP-1880	1800	800
7	ACS-SP-2080	2000	800
8	ACS-SP-2010	2000	1000
9	ACS-SP-2012	2000	1200
10	ACS-SP-2280	2200	800

#### Reflex Rack Series - 1800 Height

Sl No	Model No	H	W	D
1	ACS-RR-404018	1800	400	400
2	ACS-RR-604018	1800	600	400
3	ACS-RR-804018	1800	800	400
4	ACS-RR-405018	1800	400	500
5	ACS-RR-605018	1800	600	500
6	ACS-RR-805018	1800	800	500
7	ACS-RR-105018	1800	1000	500
8	ACS-RR-125018	1800	1200	500

#### Reflex Rack Series - 2200 Height

Sl No	Model No	H	W	D
1	ACS-RR-606022	2200	600	600
2	ACS-RR-806022	2200	800	600
3	ACS-RR-106022	2200	1000	600
4	ACS-RR-126022	2200	1200	600
5	ACS-RR-608022	2200	600	800
6	ACS-RR-808022	2200	800	800
7	ACS-RR-108022	2200	1000	800
8	ACS-RR-128022	2200	1200	800

#### Reflex Plinth of 100 mm (H)

Sl No	Model No	H	W
1	ACS-P-4040	400	400
2	ACS-P-4050	400	500
3	ACS-P-6040	600	400
4	ACS-P-6060	600	600
5	ACS-P-6060	600	600
6	ACS-P-6080	600	800
7	ACS-P-8040	800	400
8	ACS-P-8050	800	500
9	ACS-P-8060	800	600
10	ACS-P-8080	800	800
11	ACS-P-1050	1000	500
12	ACS-P-1060	1000	600
13	ACS-P-1080	1000	800
14	ACS-P-1250	1200	500
15	ACS-P-1280	1200	600
16	ACS-P-1280	1200	800



## Reflex Floor Standing Enclosures - Multi Racks

Multi Rack is designed with 19" mounting arrangement for instrumentation modules. The usage is mainly in Automation and Controls. provision for air cooling is through forced circulation. The space utilisation is maximum and the load bearing capability is high because of six depth profiles supporting the 19" angles.



### Technical Details

#### Multi Rack Systems

- Double Door option for 800mm, 1000mm, 1200mm
- Two Part Gland Plates
- Filter Bracket with Air Filter of 10mm thick
- Fan Bracket with Air Filter of 10mm thick & standard Industrial fan
- 15mm thick Antivibration Pad option
- Standard Foundation option in Base frame
- Optional Side covers
- Optional ISMC Base frame

#### Multi Rack Material

- Frame Construction : CIRCA of 1.6 mm thick with 2 parts, fully welded
- Door : 2.0 mm thick
- Mounting Plate : 3.0 mm thick

#### Standard Offering

Includes formed frame with Corner Blocks, Front Hinged Door with 3 Point locking system with a Swing Handle, Rear hinged door, Three pairs of Depth side rails, Top plates with 4 Eye bolts, Bottom with 2/4/8 Gland plate portion, 19" Angles - 4Nos., Filter bracket with air filter- 8 Nos, 'C' Plinth with AVP of 15 mm thick

#### Multi Rack Finish

Enclosure and door powder coated with structured finish.

Mounting plate is GI or powder coated

Plinth is powder coated to RAL 7022 - Dark Grey or Black

## Reflex Floor Standing Enclosures

### Multi Rack Series - 2000 Height

Sl No	Model No	H	W	D
1	ACS-MR-805020	2000	800	500
2	ACS-MR-805020	2000	800	500
3	ACS-MR-105020	2000	1000	500
4	ACS-MR-125020	2000	1200	500
5	ACS-MR-808020	2000	800	800
6	ACS-MR-808020	2000	800	800
7	ACS-MR-108020	2000	1000	800
8	ACS-MR-128020	2000	1200	800
9	ACS-MR-808020	2000	800	800
10	ACS-MR-808020	2000	800	800
11	ACS-MR-108020	2000	1000	800
12	ACS-MR-128020	2000	1200	800

### Multi Rack Series - 2200 Height

Sl No	Model No	H	W	D
1	ACS-MR-808022	2200	800	600
2	ACS-MR-808022	2200	800	600
3	ACS-MR-108022	2200	1000	600
4	ACS-MR-128022	2200	1200	600
5	ACS-MR-808022	2200	800	800
6	ACS-MR-808022	2200	800	800
7	ACS-MR-108022	2200	1000	800
8	ACS-MR-128022	2200	1200	800

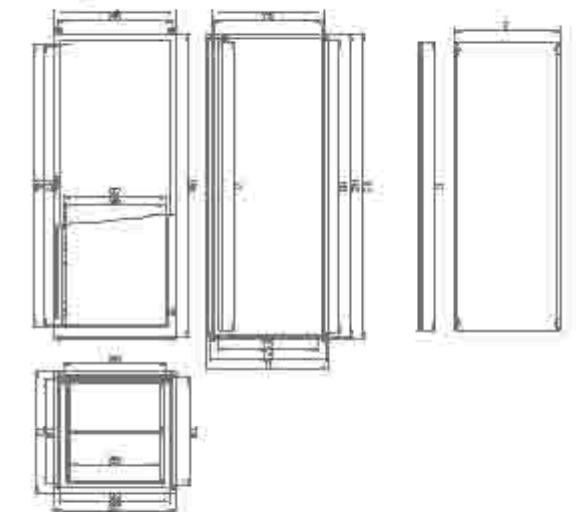
### Multi Rack Side Panel

Sl No	Model No	H	W
1	ACS-SP-2050	2000	500
2	ACS-SP-2080	2000	800
3	ACS-SP-2080	2000	800
4	ACS-SP-2280	2200	800
5	ACS-SP-2280	2200	800

Note: Reflex enclosures can be offered with total Galvanized Steel (GI) construction on request for corrosive environments.



### Single Door



### Double Door



## Wall mount boxes - Single Door (Small)



### Technical Details

#### Wall Mount Construction

Monoblock construction from a continuous length of sheet steel, welded on all the sides. Rear wall has the provision of four holes for wall mounting. The door hinges are concealed with 130° opening. M6 earthing stud is provided for the earthing provision. A gasket of polyurethane foam is used for protection. Door locking is from a single cam lock for small enclosures. Gland plate is provided at the bottom for the cable entry. Mounting plates is supplied as a standard accessory.

#### Wall Mount Enclosure Finish

Enclosure is Powder coated with RAL 7035 Structured finish.

Mounting Plate is GI or Powder coated.

\*Wall Mounting Bracket will be offered on request

Protection IP 65

#### Wall Mount Enclosure Material (Smaller sizes)

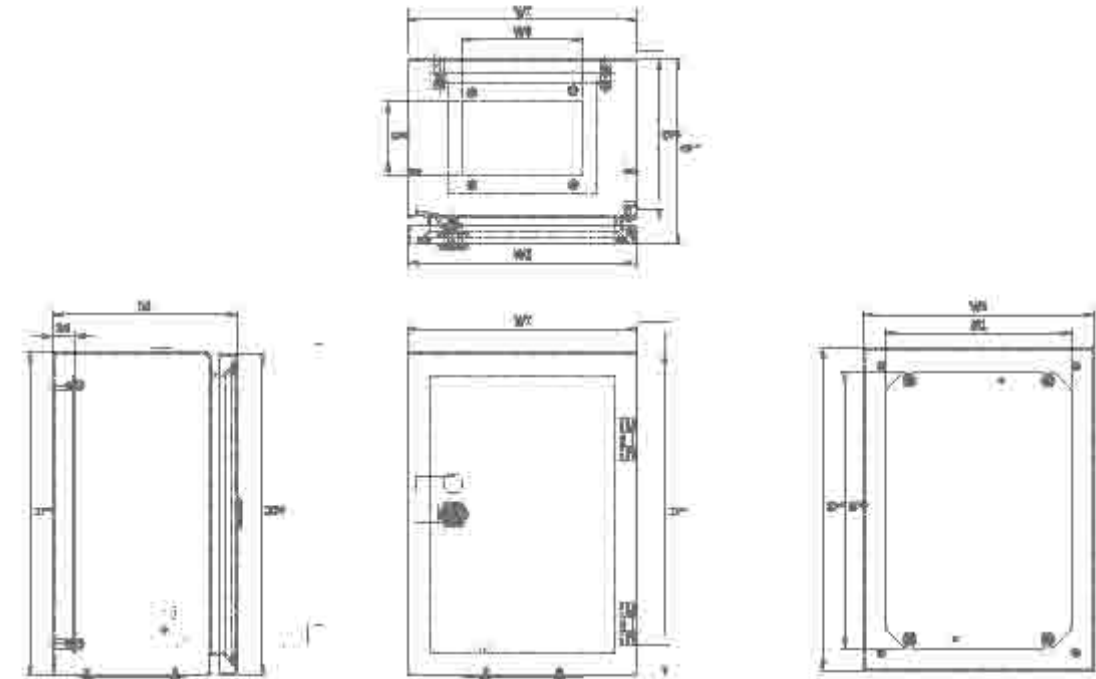
Frame Construction : Cold Rolled Sheet Steel,  
1.6 mm thick  
Door : 1.6 mm thick  
Gland Plate : 2.0 mm thick

Note: Plinth can be offered against request

## Wall mount boxes - Single Door (Small)

Adarsha Wall Mounts single door enclosures are designed for the optimum utilization of the inner surface with a elegant exterior, comes with a host of accessories. The enclosure can be customized to suit specific requirements and applications.

The usage is mainly in Automation and Controls. Provision for air cooling is through forced circulation. The space utilization is maximum with good load bearing capability.



Wall Mount Single Door

Sl No	Model No	H	W	D	W1	W2	W3	H1	H2	D1	D2	D3	M1	M2
1	ACS-WM-201230	300	200	120	200	198	80	300	298	120	91	30	150	250
2	ACS-WM-201630	300	200	160	200	198	80	300	298	160	131	40	150	250
3	ACS-WM-301630	300	300	160	300	298	180	300	298	160	131	40	250	250
4	ACS-WM-301636	350	300	160	300	298	180	350	348	160	131	40	250	300
5	ACS-WM-301640	400	300	160	300	298	180	400	398	160	131	40	250	300
6	ACS-WM-302630	300	300	260	300	298	180	300	298	200	171	80	250	300
7	ACS-WM-302035	350	300	200	300	298	180	350	348	200	171	80	250	300
8	ACS-WM-302040	400	300	200	300	298	180	400	398	200	171	80	250	350
9	ACS-WM-352035	350	350	200	350	348	230	350	348	200	171	80	200	300
10	ACS-WM-352040	400	350	200	350	348	230	400	398	200	171	80	300	350

## Wall mount boxes - Double Door (Medium/Large)

Adarsha Wall mount double door enclosures are designed for the optimum utilization of the inner surface with a elegant exterior, comes with a host of accessories. Wide range of standard sizes are on offering. The enclosure also can be customized to suit specific requirements and applications.



### Technical Details

Protection IP 55

#### Wall Mount Construction

Monoblock construction from a continuous length of sheet, welded on all the sides. Rear wall has the wall mounting provision with four holes. The door hinges are concealed with 130° opening. M6 earthing stud is provided for the earthing provision. A gasket of polyurethane foam is used for protection. Door locking is from two cam locks for medium and large enclosures. Gland plate is provided at the bottom for the cable entry. Mounting plate is supplied as a standard accessory.

Bottom plinth will be offered on request

#### Wall Mount Enclosure Finish

Enclosure Powder coated with RAL 7035 Structure finish.

Mounting Plate Zinc-plated or Powder coated.

\* Wall Mounting Bracket for medium enclosures will be offered on request

#### Wall Mount Enclosure Material (Bigger sizes)

Frame Construction : Cold Rolled Sheet Steel,  
2.0 mm thick

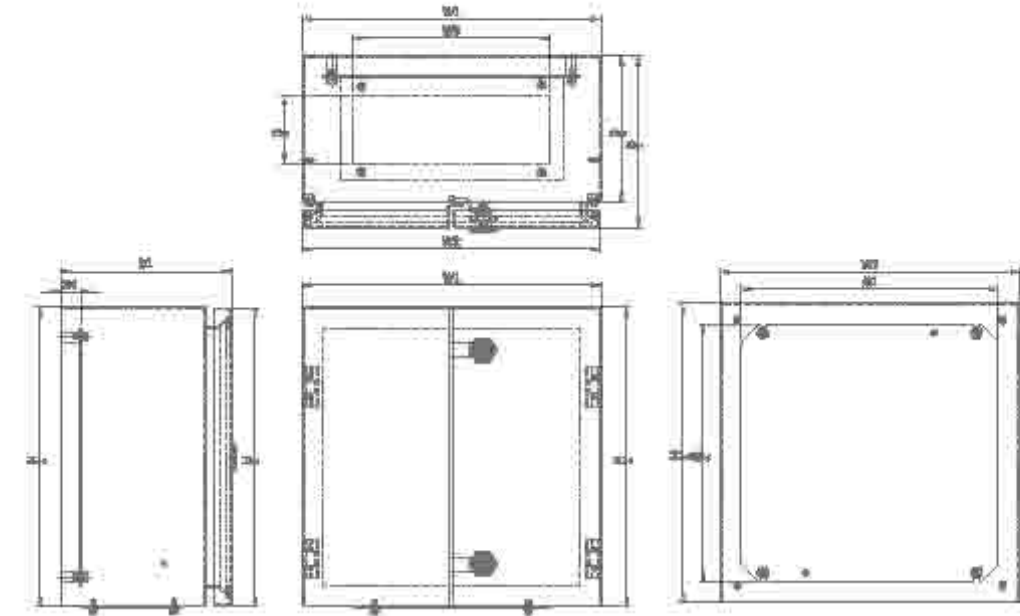
Door : 2.0 mm thick

Gland Plate : 2.0 mm thick

Note: Plinth can be offered against request



## Wall mount boxes - Double Door (Medium/Large)



### Wall Mount Series (medium)

Sl No	Model No	H	W	D	W1	W2	W3	H1	H2	D1	D2	D3	M1	M2
1	ACS-WM-352050	500	350	200	350	348	230	500	498	200	171	80	300	450
2	ACS-WM-402035	350	400	200	400	398	280	300	348	200	171	80	350	300
3	ACS-WM-402030	300	400	200	400	398	280	350	298	200	171	80	360	250
4	ACS-WM-402040	400	400	200	400	398	280	400	398	200	171	80	350	350
5	ACS-WM-402045	450	400	200	400	398	280	450	448	200	171	80	350	400
6	ACS-WM-403060	600	400	300	400	398	280	500	598	300	271	180	350	550
7	ACS-WM-403060	600	400	300	400	398	280	600	488	300	271	180	360	450
8	ACS-WM-453040	400	450	300	450	448	330	400	398	300	271	180	400	350
9	ACS-WM-453545	450	450	300	450	448	330	450	448	300	271	180	400	400
10	ACS-WM-453050	500	450	300	450	448	330	500	488	300	271	180	400	450
11	ACS-WM-503050	500	500	300	500	448	380	500	498	300	271	180	450	400
12	ACS-WM-503060	600	500	300	500	448	380	600	598	300	271	180	450	550

### Wall Mount Series (large)

Sl No	Model No	H	W	D	W1	W2	W3	H1	H2	D1	D2	D3	M1	M2
1	ACS-WM-603075	750	500	300	500	448	380	750	598	300	271	180	450	700
2	ACS-WM-603060	600	600	300	600	598	380	600	748	300	271	180	550	550
3	ACS-WM-603075	750	600	300	600	598	380	750	698	300	271	180	550	700
4	ACS-WM-603080	800	600	300	600	598	380	800	498	300	271	180	650	750
5	ACS-WM-803010	1000	800	300	800	598	380	1000	998	300	271	180	550	950
6	ACS-WM-603012	1200	600	300	600	748	380	1200	1198	300	271	180	550	1150
7	ACS-WM-753075	750	750	300	750	598	530	750	748	300	271	180	700	700
8	ACS-WM-803010	1000	800	300	800	798	580	1000	998	300	271	180	750	950
9	ACS-WM-803012	1200	800	300	800	798	580	1200	1198	300	271	180	750	1150
10	ACS-WM-103060	800	1000	300	1000	998	680	800	598	300	271	180	950	550
11	ACS-WM-103080	800	1000	300	1000	998	680	800	798	300	271	180	950	750
12	ACS-WM-103010	1000	1000	300	1000	998	680	1000	998	300	271	180	950	950

## Stainless Steel Wall Mount Boxes

The stainless steel racks are manufactured in accordance to AISI 304 specifications. The design offers ideal solution for extreme conditions with a good resistance for corrosion. Few of the applications are off-shore, petro, road, chemical and fertilisers. The exterior surface is given brush finish for increased surface protection.

All the stainless steel enclosures are available in both SS 304 and SS 316 versions.



Protection IP 65  
without glass window

### Technical Details

#### Standard Offering

Monoblock construction from a continuous length of stainless steel, seam welded on all the sides. Rear wall has a provision for wall mounting with 4 holes. The door hinges are concealed with 130° opening polyurethane gasket is provided for higher protection. The cable entry provision is from the bottom.

#### Enclosure Finish

Body Et Door - Exterior brush finish  
Mounting Plate - GI & SS will be given on request

#### Material Specification:

**Single Door**  
Body - SS 304 / 316 - 1.6 mm thick  
Door - SS 304 / 316 - 2.0 mm thick  
Mounting Plate - GI or SS 304 - 2.0 mm thick

**Double Door**  
Body - SS 304 / 316 - 2.0 mm thick  
Door - SS 304 / 316 - 2.0 mm thick  
Mounting Plate - GI or SS 304 - 2.0 mm thick

Protection Class  
Single Door - IP 65 : Certified Protection  
Double Door - IP 55 : Certified Protection

Sl No	Model No	H	W	D
1	ACS-SSWM-201230	300	200	120
2	ACS-SSWM-201635	350	200	150
3	ACS-SSWM-301830	300	300	180
4	ACS-SSWM-301840	400	300	180
5	ACS-SSWM-302040	400	300	200
6	ACS-SSWM-352030	300	350	200
7	ACS-SSWM-402040	400	400	200
8	ACS-SSWM-402035	350	400	200
9	ACS-SSWM-403060	600	400	300
10	ACS-SSWM-403050	500	400	300
11	ACS-SSWM-503050	500	500	300
12	ACS-SSWM-503075	750	500	300
13	ACS-SSWM-803010	1000	800	300
14	ACS-SSWM-803075	750	800	300
15	ACS-SSWM-803012	1200	800	300
16	ACS-SSWM-803012	1200	800	300
17	ACS-SSWM-103080	800	1000	300

## Stainless Steel Floor Standing Enclosures

The stainless steel racks are manufactured in accordance to AISI 304 specifications. The design offers ideal solution for extreme conditions with a good resistance for corrosion. Few of the applications are: off-shore, petro, road, chemical and fertilisers. The exterior surface is given brush finish for increased surface protection.

All the stainless steel enclosures are available in both SS 304 and SS 316 versions.



Protection IP 55

### Technical Details

#### Standard Offering

Includes frame of stainless steel with corner blocks, front single / double door with locking system, rear bolted cover, one pair of depth rails, top plate with eye bolts, cable entry provision at the bottom with one full mounting plate.

Rear door will be offered on request instead of Bolted cover as an option.

#### SS Reflex Rack Material Specifications

Frame - SS 304 / 316 - 1.6 mm thick  
Side panel - SS 304 / 316 - 1.6 mm thick  
Top plate - SS 304 / 316 - 1.6 mm thick  
Gland plate - SS 304 / 316 - 2.0 mm thick  
Plinth - SS 304 - 3.0 mm thick  
Mounting plate - GI & SS 304 on request

#### Note:

- Check for di-cast parts in the enclosure
- Replace SS 304 for SS 316 packs
- Different other sizes available on request

#### Dimensions for modular console

Sl No	Model No	H	W	D
1	ACS-SS304-808018	1800	800	800
2	ACS-SS304-808018	1800	600	800
3	ACS-SS304-808018	1800	800	800
4	ACS-SS304-808018	1800	800	800
5	ACS-SS304-808020	2000	600	800
6	ACS-SS304-808020	2000	600	800
7	ACS-SS304-808020	2000	800	800
8	ACS-SS304-808020	2000	800	800
9	ACS-SS304-808022	2200	600	800
10	ACS-SS304-808022	2200	800	800



Protection Class  
IP 55 : Certified Protection

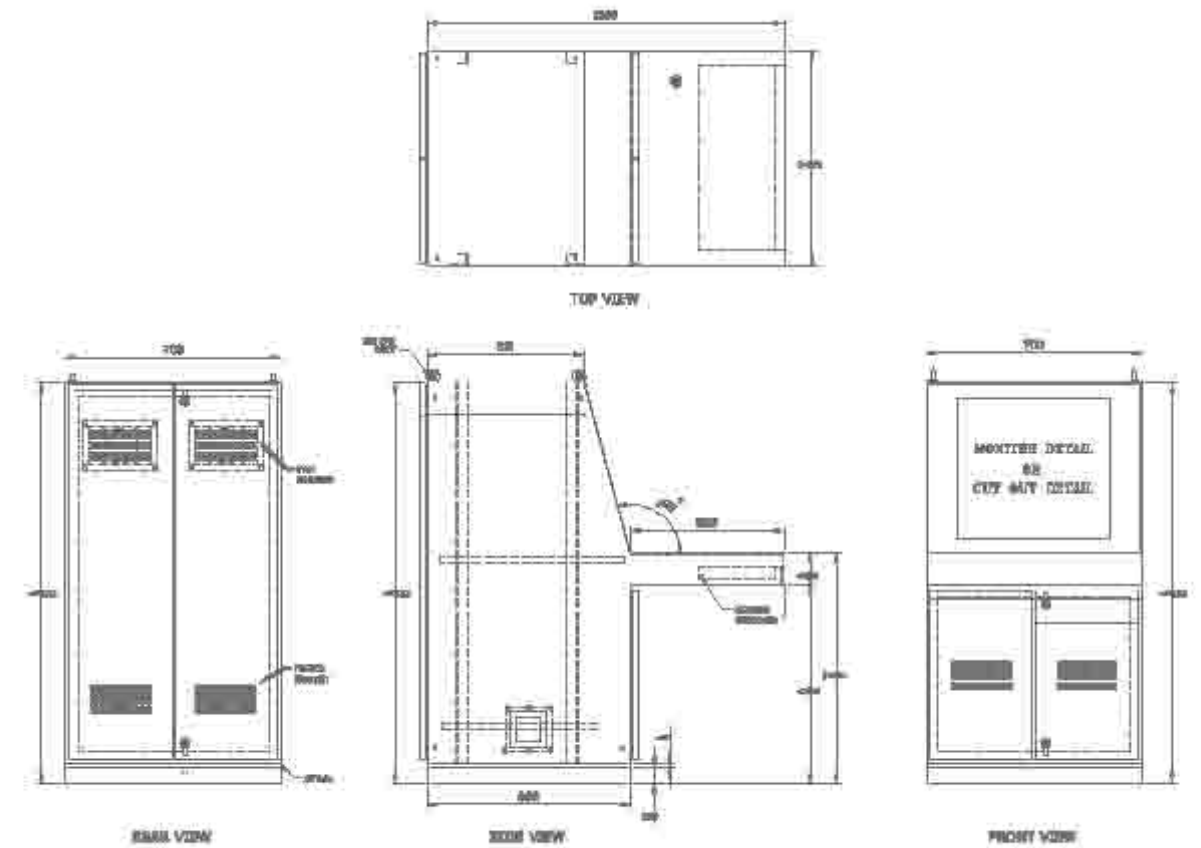
## PC Console

Adarsha PC consoles are designed ergonomically for industrial PC housing, control room and testing facilities. The flexible design offers operational convenience for increased efficiency with high space utilization. There is a provision for mounting both TFT & CRT monitors. The cooling is through forced air circulation.

Adarsha offers tailor made consoles to suit the application & requirements.



## PC Console



### Technical Details

#### PC Console Optional Accessories

- Lifting Eye Bolt 04Nos
- Option for both TFT Monitor and CRT Monitor
- Option for Hardware Console
- Louver options in the doors
- Filter bracket with Air Filter 10mm thick
- Fan Bracket with Air Filter 10mm thick & standard 4" Industrial fan
- Side Cable entry
- Mouse Cable entry at top side
- 15mm Anti vibration pad option
- Power supply kdt inside the PC Console
- Sliding type Key board drawer

#### PC Console Material

- Construction : Cold Rolled Sheet Steel, 1.6 mm thickness, Fully welded
- Door : 1.6 mm thick
- CPU Tray : 2.0 mm thick
- Base Frame : 3.0 mm thick

#### PC Table Finish

Body and door Powder coated in Structure finish.

#### Standard Size

1300 (H) \* 700 (W) \* 660 + 500 (D)



Modified Versions of standard platform

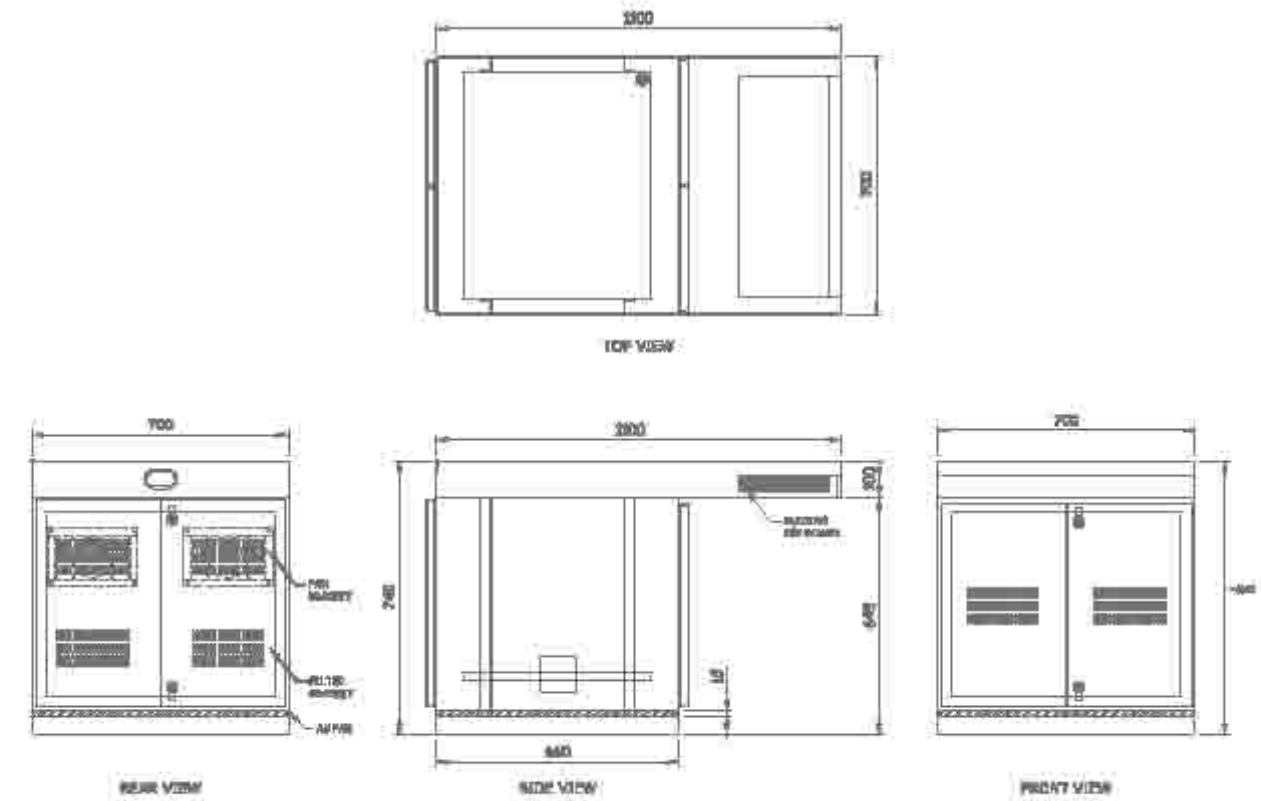


## PC Console - Metallic

Adarsha PC Table consoles are designed ergonomically for control room and testing facilities. The flexible design offers operational convenience for increased efficiency with high space utilisation. The cooling option is through forced circulation.



## PC Console - Metallic



### Technical Details

#### PC Table Metallic Options

- Option for both TFT Monitor and CRT Monitor
- Louver options in the doors
- Filter bracket with Air Filter 10mm thick
- Fan Bracket with Air Filter 10mm thick and standard 4" Industrial fan
- Side Cable entry
- Mouse Cable entry on top side
- 15mm Anti vibration pad option
- Power supply kit Inside the PC table
- Sliding type Key board drawer

#### PC Console Material

- Construction : Cold Rolled Sheet Steel, 1.6 mm thickness, Fully welded
- Door : 1.6 mm thick
- CPU Tray : 2.0 mm thick
- Base Frame : 3.0 mm thick

#### PC Table Finish

Body and door Powder coated in Structured finish.

#### Standard Size

- Console : 580 (H) \* 700 (W) \* 660 (D)
- Metallic Top : 100 (H) \* 700 (W) \* 1100 (D)



Modified Versions of standard platform

## PC Table - Wooden Top

Adarsha PC Table console with wooden top is designed ergonomically for control room and testing facilities. The flexible design offers operational convenience for increased efficiency with high space utilization. A wooden table top is provided for keeping the monitor for elegance & scratch proof finish. The cooling option is through forced circulation. Wooden tops are available in part or full length.



### Technical Details

#### PC Table Wood Top Options

- Option for both TFT Monitor and CRT Monitor
- Louver option in the doors
- Filter Bracket with Air Filter 10mm thick
- Fan Bracket with Air Filter 10mm thick and standard 4" Industrial fan
- Standard Cable entry for side wise
- Mouse Cable entry at top side
- 15mm Antivibration pad option
- Power supply kit inside the PC table
- Sliding type Key board drawer

#### PC Console Material

Construction	: Cold Rolled Sheet Steel, 1.6 mm thickness, Fully welded
Door	: 1.6 mm thick
CPU Tray	: 2.0 mm thick
Base Frame	: 3.0 mm thick

#### PC Table Finish

Body and door Powder coated In Structure finish.

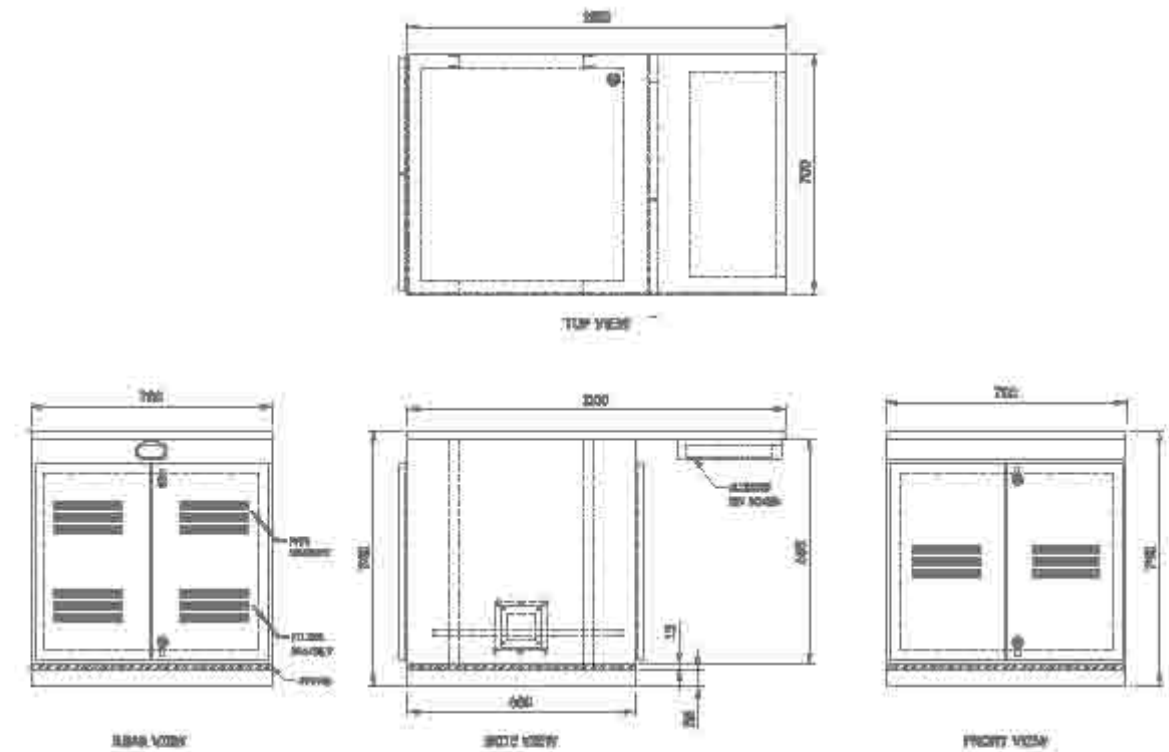
#### PC Table Wood Top

Wood : 25mm thickness, Post formed

#### Standard Size

Console	: 655 (H) * 700 (W) * 1100 (D)
Post Formed Wood	: 25 (H) * 700 (W) * 1100 (D)

## PC Table - Wooden Top



Modified Versions of standard platform

## Modular Single Piece Console

The single piece push button consoles are designed to respond to the need of modern control and testing systems. The monoblock construction comes with front and top access. The structure allows high mechanical strength with IP 55 rating. Provision for mounting push buttons on the slanted top plate. With castor wheels, the unit can be used as a mobile testing unit.



Modified Versions of standard platform

### Technical Details

#### Standard Offering

The console comes with a reversible front door with 120° opening. The hinges are concealed. The locking is through 2 Cam locks. Top lid opening is from front, fixed with 2 Hinges and 2 Cam locks.

#### Optional Accessories

- Depth adjustable mounting plate
- Plinth of 100mm or 200mm
- Castor wheel for plinth
- Partitions can be offered at the bottom horizontally

Note: Plinth can be offered against request

- Different size combinations & colours on request
- Standard colour is RAL 7035

Dimensions for Modular Console

Sl No	Model No	H	W	D
1	ACS-900/650	900	600	500
2	ACS-900/850	900	800	500

Protection Class  
IP 54 : Certified Protection



Printer Box

## PC Console - Stainless Steel Top

PC Consoles and Control desks are offered with metallic body & Stainless steel top. The stainless steel used will be of AISI 304 specifications. We also offer various configurations with console, top and extended desk with stainless steel with SS 304/316 also stainless steel single piece console. The design offers ideal solution for high corrosive environment.



### Technical Details

#### SS Single Piece console

The console comes with front door with SS concealed hinges, top opening is from front side.

#### Console Construction

Body - SS 304 - 1.6 mm thick  
Doors - SS 304 - 1.6 mm thick

#### Over All Size

Width - 600 / 800  
Depth - 500  
Height - 900

Note: SS 316 can be offered on request

#### SS 3 Piece Console

Stainless steel pedestal with front door with SS concealed hinges, rear bolted cover with cable entry provision at the bottom, extended SS desk portion and SS pedestal on top and the desk with top opening door with 2 cam locks.

#### 19" Wall Mount Size

Height - 6U, 9U, 12U  
Width - 600 mm  
Depth - 400 mm & 500 mm

#### Over All Size

Width - 800 / 1200 / 1600  
Depth - 945  
Height - 1305 / 1505

Note: SS 316 consoles are offered on request



3 piece console with SS top

## Data Communication Products

### Server and Networking Racks

The 19" Floor mounted racks are innovative, cost effective and modular with flexibility of changeover the flat parts to suit the application and requirements. The racks are offered with host of mechanical accessories, good cable management, thermal management and power supply options. Few of the applications are: Software, BPO, Call center, Data centers, Tele-communications, Bio-technology, Financial services, Health Services, Broad band etc.



Networking Rack



Server Rack

#### Technical Details

##### 19" Rack Construction

Frame construction is from CRCA sheet steel with corner blocks, which creates a very strong structure for high load conditions.

##### 19" Rack Accessories

- Side panels - Perforated / Non Perforated
- Component shelves - Fixed / withdrawable
- Fan tray with 2/4 fans
- Blanking plates
- Document pocket - A4 size
- Cable manager - Horizontal / Vertical
- Cable shunt rings
- A.C Power socket - Horizontal / Vertical
- 19" key drawer
- Plinth of 100mm
- Castor wheels / Levelling feet
- Louvers with Filter and Fan with filters

##### Standard Offering

Includes MS frame with Corner Blocks, Front Perforated door for server or Glass door for Networking, Rear plain cover, 4 Nos of 19" angles and Top cover.

Rear door will be offered on request.

##### 19" Rack Size

Height - 26U, 32U, 38U & 44U mm  
Width - 600 mm Et 800 mm  
Depth - 800 mm Et 1000 mm

##### 19" Rack Finish

Enclosure and door powder coated to 7035  
Base Frame - Black

Note: Plinth can be offered against request

- Different combinations and colors will be offered on request
- 2 Post racks are available on request

## Data Communication Products

### 19" Wall Mounting Boxes

The 19" Wall mount boxes are designed for LAN applications with flexibility, aesthetic and easy cable management. It offers scope for individual requirements in terms of size and colour. Cable entry option is either on Top or Bottom.



#### Technical Details

##### 19" Wall Mount Construction

Sheet steel of all round construction with or without perforations on the sides. Front door is fixed with concealed hinges with a Cam lock. Cable entry provision is at the top or bottom.

##### 19" Wall Mount Optional Accessories

- Document pocket
- Cable manager - Horizontal with 5 shunt rings
- Power socket - Horizontal with 5 socket of 5 Amps
- Fan mounting provision on the top
- Removable side cover with lock will be offered as an option.

##### Standard Offering

Box with or without perforations on the sides, front hinged glazed door with cam lock, 2 Nos of 19" angles fixed inside. Cable entry will be on top or bottom.

##### 19" Wall Mount Size

Height - 6U, 9U, 12U  
Width - 600 mm  
Depth - 400 mm & 500 mm

## MCC Panel

MCC panels are constructed from fully welded structure of open punch profiles. The enclosure interior can be accessed from all the sides. Every individual compartment comes with a Cam Lock with a Two bit key with a provision for mounting plates. The door hinges are concealed and offer flexibility to modify compartments during commissioning. While range of modules can be offered. MCC panels will be offered with side cable alley, top bus bar chamber, side panels and baying kit as per the specific requirements.



### Technical Details

#### MCC Panel Systems

- Customized Design as per Customer requirement
- Different sizes of compartments with hinged Doors
- Bolted covers for Bus bar chambers
- Partition plates as per requirement
- Different sizes of Mounting plate with adjustable type
- Bus bar chamber partition as per requirement

#### MCC Panel Accessories

- Side Brackets as required
- Coupling kit for Baying
- Optional Side covers with fixing kit
- Mounting Plate fixing kit
- Document pouch of A4 size If required
- Standard cam locking system

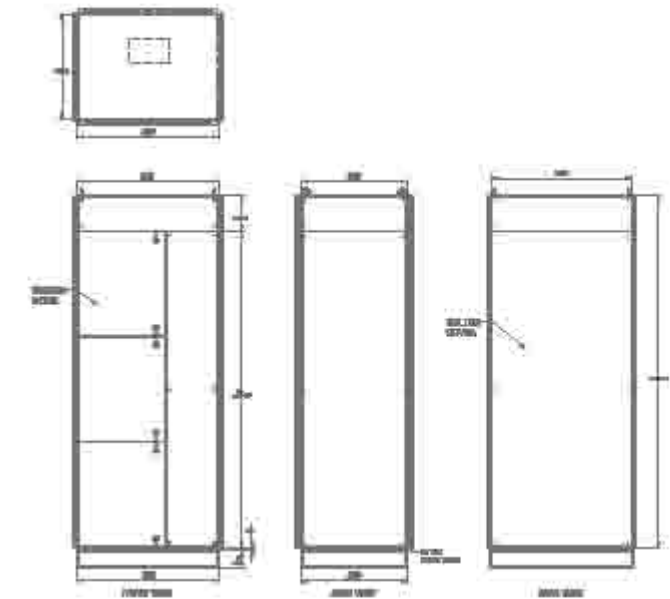
#### MCC Panel Material

- Frame Construction : Cold Rolled Sheet Steel, 2.0 mm thickness, Fully welded
- Door : 2.0 mm thickness
- Mounting Plate : 3.0mm thickness

#### MCC Panel Finish

- Frame and Door powder coated In structure finish.
- Mounting plate is powder coated or GI.

## MCC Panel



Inspired Solutions for Diversification



Test Bench



Reflex under Integration

Array designed to satisfy



PC Enclosure - Metallic



Control Desk



SS Box-Special



Reflex Bayed System



Furniture PC Console



Hard Wired Consoles



19" Rack



Wooden Operator Console



Lab Rack



PC Enclosure



PC Control Station



Console - Special

Versatile & Robust

Sturdy & Durable



Reflex Racks



Control Station



Operator Station



Bayed PC Console



Multi Console with MIMIC



Furniture Control Desk



Control Station Special

**Industry Standards For Enclosures**

Electrical Enclosures are rated by Type (NEMA, UL) and IP rating based on the Degree of protection of the product.

The common factors are:

- a. A degree of protection for the Humans from Hazardous components inside the Enclosure
- b. A degree of protection for the components inside the Enclosure from Ingress of solid objects including dust
- c. A degree of protection for components inside the Enclosure from Ingress of Water  
NEMA & UL demands additional requirements for the Enclosures to satisfy, which Includes

- a. Corrosion Resistance
- b. Oil resistance & Gasket aging
- c. Locking requirements &
- d. Sheet Thickness additionally by UL



**Nema Standards For Enclosure Types:**

**Type 12** Enclosures designed for Indoor use to provide a degree of protection against Dust, falling dirt and dripping non-corrosive liquids

**Type 4** Enclosures for both Indoor and Outdoor use to provide a degree of protection against air blown dust, rain, splashing water and hose directed water, undamaged by formation of ice on the Enclosure

**Type 4X** Enclosures for both Indoor or Outdoor use to provide a degree of protection against corrosion, air blown dust, rain, splashing water and hose directed water, undamaged by formation of ice on the Enclosure

**Enclosure Material Specifications**

**Mild Steel (CRCA)** - Cold rolled close annealed Mild steel with High carbon content from 0.7 to 1.00% C with manganese ranging from 0.5% to 0.9%. Less brittle with good elastic limits.

**Mild Steel (HR)**- Hot rolled Mild Steel with a carbon content of 0.16% to 0.25%. Meant for heavy and SS 304 - Steel with 18% chromium & 8% nickel, combined with a maximum of 0.08% carbon. Good corrosive resistance property, excellent forming and welding characteristics. crevice formation in chloride environments.

**SS316** - Steel with 18.5% chromium and 10-14% nickel combined with maximum of 0.03% carbon. Better overall corrosion resistant properties than Grade 304, particularly higher resistance to pitting and crevice corrosion in chloride environments. Non resistance to Carbon deposits on welding

**Aluminum:** A light weight metal with a oxide coating having a good shielding for corrosive elements

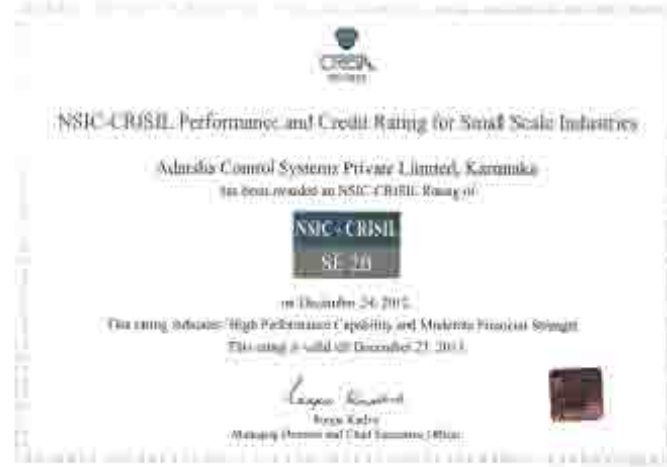
**SS316L** - The low carbon version of 316 is immune from sensitization (grain boundary carbide precipitation) hence preferred, when welding is required.

**SS304** - is a steel alloy with 18% Chromium, 8% Nickel and 0.08% Carbon. It has a good forming and welding properties with a good corrosion/oxidation property and excellent toughness.

**Fiber Glass:** Properly known as fiber-reinforced polymer (FRP) or glass-reinforced plastic (GRP). Glass Fiber make good thermal insulation. It has no true melting point but softens at 2,000 °C (3,630 °F).

**Galvanized Steel:** Hot-dip galvanizing. It is the process of coating iron, steel, or aluminum with a thin zinc layer, by passing the metal through a molten bath of zinc at a temperature of around 860 °F (460 °C). it is widely used in applications where rust resistance is needed. Galvanized steel is suitable for high-temperature applications of up to 392 °F (200 °C).

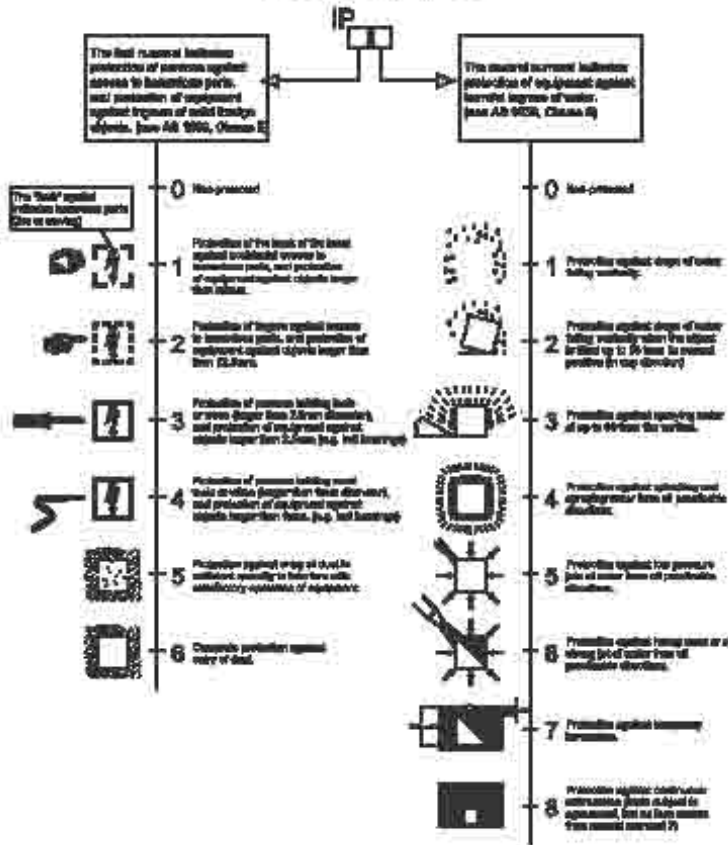
## Awards & Certificates



### IP Rating Chart

Protection of personnel protection of equipment  
indicated by the IP code.

#### CHARACTERISTIC NUMERALS



**Conversion Table for Gauge to Millimeter (mm)**

Imperial Gauge	Imperial in mm	Metric Sheet mm
10	3.25	3.0
12	2.94	2.5
14	2.03	2.0
16	1.83	1.5
18	1.22	1.2
20	0.91	0.9
22	0.71	0.7
24	0.58	0.6
26	0.46	0.5

### Telecommunication / IT Specifications

19" = 482.6 mm

1U = 44.46 mm (1.76")

**Note:** The technical information given is general in nature & contact us for our standard offerings



Adarsha Board Members



Adarsha Mech Team



Training - Board Room



Shearing Machine



CNC Turret Punch Press - VIPROS 255

## Meeting World Class Standard



Adarsha Control Systems Pvt. Ltd. is recognized as an eminent manufacturer, supplier and exporter of a wide array of high end integrated panels & precision sheet metal enclosures.

The company has shown a steady growth pattern in both the domestic as well as the global markets. The company plans on building on its competency and technical knowhow to be able to easily meet world standards and show a marked increase in exports.



NC Bending Machine



CNC Turret Punch Press - AE 2510NT



Powder Coating