



GADDIEL INDUSTRIES

Product Catalogue

(Modular O.T & Medical Gas Pipeline Products)



Factory & Registered Office :

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• Delhi • Mumbai • Hyderabad • Bangalore • Kolkata • Ranchi • Ahmedabad



ABOUT US

Gaddiel Industries is a professional Manufacturer, integrated with development, design, production of modular equipment. The product include - Modular Operation Theater, Modular I.C.U. Modular I.V.F. Medical Gas Pipeline system. C.S.S. D. System. We have established modern machine & Modern Corporate systems.

We have a decent manufacturing unit in Rajender Nagar Industrial Are, Mohan Nagar, Ghaziabad, Delhi NCR with required space, good machines that are necessary for a light engineering unit as outs employ an excellent team of technically trained people and we have a good volume production capability. We do have a very effective quality control check through procurement to finished products among other. Our manufacturing and quality control process is in conformity with ISO 9001-2008 among other standards.

We have a R&D team that works on various product development projects. We have set a modest target in R&D for ourselves. In which primarily we target our products to match with that of leading global brands in every aspect of it.

We are committed to fair and ethical business practices, care for environment. You will experiences transparency in our conduct. We have program aimed to enable our prospective customer to take informed purchasing decision. We are dedicated to knowledge/tutorials on features, specification, quality. Warranty and replacement policy. Spare-parts, Annual Maintenance Contracts (AMC), general terms and condition of transactions, customer services among other program.

We are expert in Production from raw material to finished Product. Our mission is to provide the best quality Products. Prompt service and professional consultation that can fully satisfied customer.

We believe that our client's satisfaction is our success. We believe in establishing long - term business relationship with customer. Our major customers consist of Govt. Hospitals, Corporate Hospitals, Domestic and Overseas Dealers.

MODULAR OPERATION THEATER

The Flexible prefabricated modular wall system for OTs installation has a modular grid construction. The design of the modular wall system is carried out in accordance with technical assistance and material used as per customer requirement.

- 1.6 mm thick EGP steel panels backed by 12 mm thick Sypsum
- PUF sandwiched panel.
- Stainless steel SS202 or SS304 panels.
- High-pressure Laminate Glass panels as per EN standard

Technical qualified and well trained technician can perform the installation with expertise.

Fast and well coordinated installation as per architects/customer approval Upgradation of existing systems to Modular Operating Rooms is possible Various parts are build on CNC machines to give accurate dimension and finish.

Inside OT AC ducting and medical gas pipelining also done as per customer requirements Option of wall panel to be made of Zintex Steel Stainles Steel sheet or Stainless Steel PUF sandwich panels.



LAMINAR AIR FLOW SYSTEM

The laminar flow creates a positive pressure in the OT especially giving out fresh air on the operating area. This is the area from where any kind of infection is released (from patients body). The infection need to be stopped from spreading to the OT environment. The air is quickly and continuously circulated through the exhaust system and purified through the exhaust system and purified the HEPA filters and it becomes absolutely contamination free.

The patient being operated on Anesthetic gases and the breaths out air filled with waste anesthetic gases. This is in turn inhaled by the surgeons in conventional air circulation system. In a Laminar Flow, the pressure in the centre on the sterile zone is so much from the top that waste gases are pushed down and are diverted to the slides of exhaust vents reticulation.

PENDANT SYSTEM

Ceiling Pendant designed for used in OT or ICU. its closed powder-coated aluminium alloy beam contributes to improved hygiene and maximizes the working area with a hassle free and wire free floor space. Ceiling Pendant designed for used in OT & ICU. High quality bearings make the arms offer wide reach and all-around to the patient and equipment especially around the back of the bed and the patient's heads. Available in single arm or double arm. Configuration with power sockets and gas outlets as per user .



OPERATION THEATER CONTROL PANEL

All the controls for the modular operation theater are provided on a membrane type, micro controller based electronic control panel mounted in the theatre wall. Control panel meet the electrical safety codes for high and low voltage systems. The control panel is user friendly and ease of operating and maintenance purpose. The fascia is made with superior quality UV resistance membrane with sterilization feature. The control panel may consist 6 tiles or 9 tiles. We can develop the product as per requirement of customer.

- Day Time Clock
- Lapsed Time Clock
- Display of Temperature & Humidity in OT
- Medical Gas Alarm Systems
- HEPA Filter Status Indicator (Optional)
- OT Pressure Indicator (Optional)
- Music Player (Optional)

All high voltage equipment will be installed in a separate enclosure can be positioned up to 250 meter away, allowing maintenance to be carried out with minimum disturbance. The remote cabinet consists of operating lamp transformers, remote relay card, electrical distribution equipment and circuit protection equipment for all circuits within the operating theater.

STORAGE UNIT

Easy storage possibility with wall integrated storage unit. The Zintex panels are transformed to a storage cabinet with the same anti bacterial paint as in the OT. Covered with clear glass with Magnetic Carcher



PRESSURE RELIEF DAMPER

They are placed so as to maintain the pressure in the OT. Since the AHU is pumping in a lot of air every minute and the environment is hermetically sealed. They are used to equalize the positive in the OT by opening just for micro second. Placed at strategic location, so that it is not .



HERMETICALLY SEALED SEALDING DOORS

We Use Hermetically Sealed Sliding doors, to maintain statically and the correct air pressure in the room, which requires less valuable space than hinged doors. The door can be operated manually or automatically with microprocessor based electronic automation system. The door frame is made out of high compact laminated board that can withstand high abrasions. The door will run on rubber rollers and guided with nylon rubber guided which are fixed to the door in such a way that they do not obstruct trolley movement through the door. The controller will be capable of either being operated by elbow switches/foot switches, radar switch (touchless sensor). All doors will be able to be operated manually easily in the event of failure power supply or the automation unit.

HPCL HINGE DOORS FOR OT, OT COMPLEX & ICU

To maintain sterility and the correct air pressure in the room, all doors into and outside the theater should be of the Semi hermetically sealed type Swing door would meet following specifications



ANTI STATIC / CONDUCTIVE VINYL FLOORING

The floor finish in the operating room should be 2 mm Conductive PVC tiles, laid on a semi-conductive adhesive base. The floor finish shall terminate at the room perimeter passing over a concealed cove former and continuing up the wall for 100 mm. All joints shall be welded with electrodes of the same compatible material to provide continuous sealed surface. The floor shall have an electrical resistance of 2.5×10^6 to 10^6 Ohms, as per DIN 51953 ATM F-150 or NFPA 99, B1 class of fire resistance and should meet UL standard 7779. Fulfil product requirement as per EN 649.



X-RAY VIEW PLATE

Ergonomically designed X-Ray view plate for ease and accuracy of viewing the X-Rays. Special blast offers flicker free illumination with dimmer for optimum viewing. Available with feather touch ON/OFF button with multistage of lighting intensity.



MAGNETIC WRITING BOARD

An aid for any writing that may be in the OT. A high finish writing board comes handy at times. It is made of ceramic having magnetic properties and is flushed to the wall of the operating room.



PERIPHERAL LIGHTS

Recess Mounted lights with ON/OFF and dimmer built into the ceiling to increase / decrease the light to surgeons requirement. Energy efficient lamp with special blasts. They can offer 1500 lux consistent light throughout the OT. The lamp housing is made of MS powder coated with Aluminium extrusion frame for long

HATCH / PASS BOX

A Box is provided in each operation theater to remove waste material from the operation theater to Dirty area just adjacent to Operation Theater. Each Hatch is equipped with two doors and the door shall operate electronically. The Hatch is designed in such a way; that only one door is opened at one time. The UV light is installed in chamber so that it is ON while both the doors are closed. This UV light has to be automatically turned off in case of opening of either of the doors.



SCRUB STATION

Scrub Station is designed for use in operation theater complex, providing surgeons with a convenient sink for pre-op scrub up. The Scrub Station is made out from heavy gauge high class Ss304 stainless steel sheet of 1.6mm thickness and seamless welded with brush up finish having tough. The Scrub Station comes along & equipped with front access panel, which is easily removed for access to the water control valve, waste connection, equipped with infrared sensor with built in range of adjustment & knee/foot operated functions with thermostatic mixing valve control is provided behind the access panel to maintain water temperature. The Scrub Sink is having pre user requirements, which make it very convenient to operate as of having user friendly functioning.



ANTI BACTERIAL FLOORING

Anti-microbial flooring and anti-bacterial flooring are sorely needed in hospitals, operating rooms, clinics, dental clinics, pharmaceutical concerns, veterinary offices, rest/retirement homes and even commercial kitchens. Of course most of these hygiene industry businesses would also be interested in keeping mold out of flooring as well.



MOTORISED SANDWICH GLASS BLINDS

Discover Smoove open close RTS Simple & attractively - designed, the wireless touch command gets your draery moving.



ANTI BACTERIAL WALLFLEX

Anti Bacterial Wallflex / wall covering has become the Standard for durable, hygienic wall covering. Clean and simple by design, Wallflex provides a seamless coating for healthcare interiors needing a low maintenance, long lasting wall covering which resists scratching, scuffing and denting.

Urethane coating reduces maintenance costs and protects long term appearance. Clean, simple design for uncomplicated look or the addition of a frieze if desired.

- 1.5 metre width ideal dado height for ease of installation.
- 1.25mm homogeneous construction for excellent dent and gouge resistance. Heat weldable for seamless installation.

AHU, AC & DUCTING

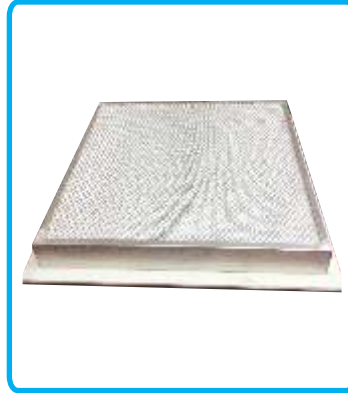




PRE FILTER



FINE FILTER



HEPA FILTER



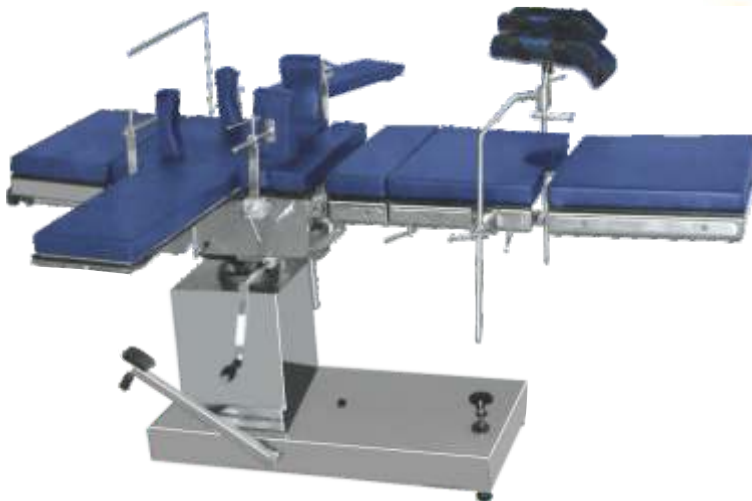
HEPA FILTER

An Air Handling Unit (AHU) is used to condition and circulate air as part of a heating, ventilating, and air-conditioning system. The basic function of the AHU is take in outside air, condition it and supply fresh air to a building. All exhaust air is discharged, which secures an acceptable indoor air quality. Depending on the required temperature of the conditioned air, the fresh air is either heated by a recovery unit or heating coil, or cooled by a cooling coil.

Modular Metal Storages

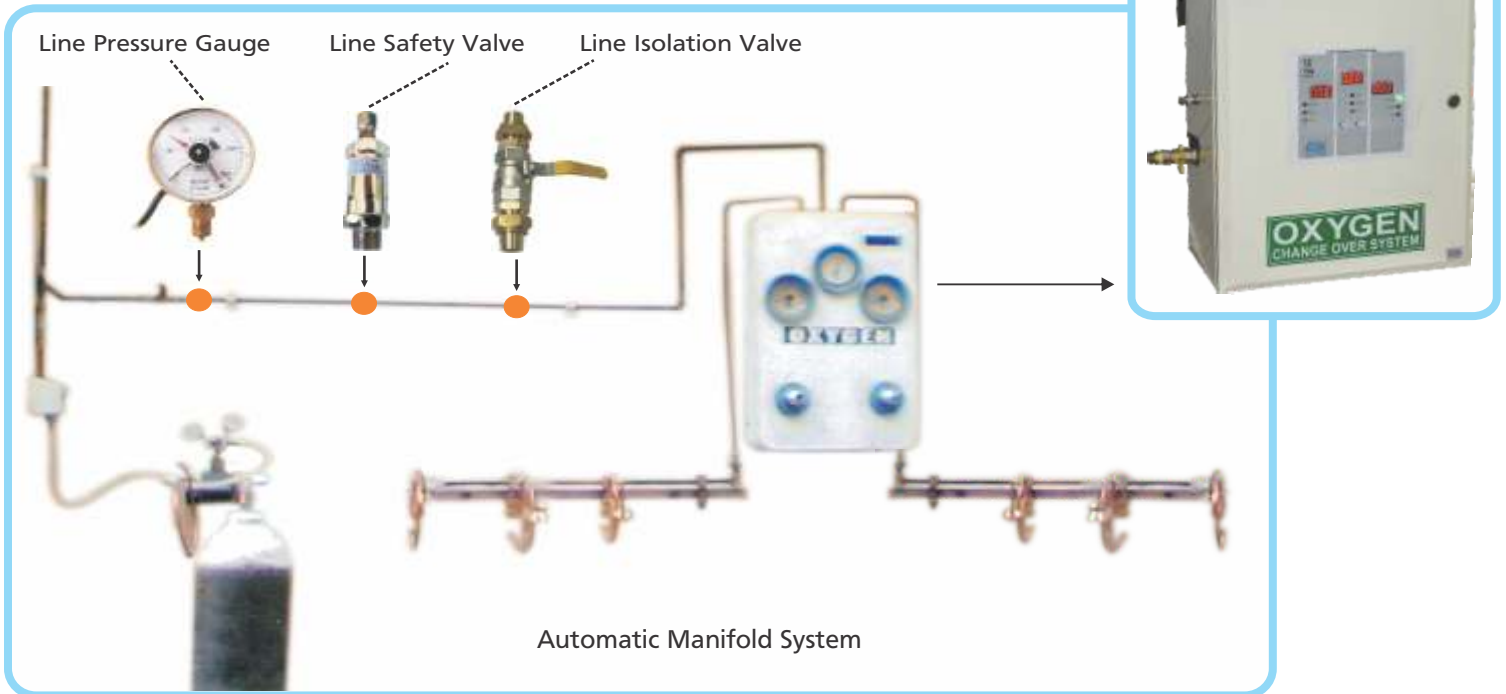


OT SURGICAL LIGHT & TABLES

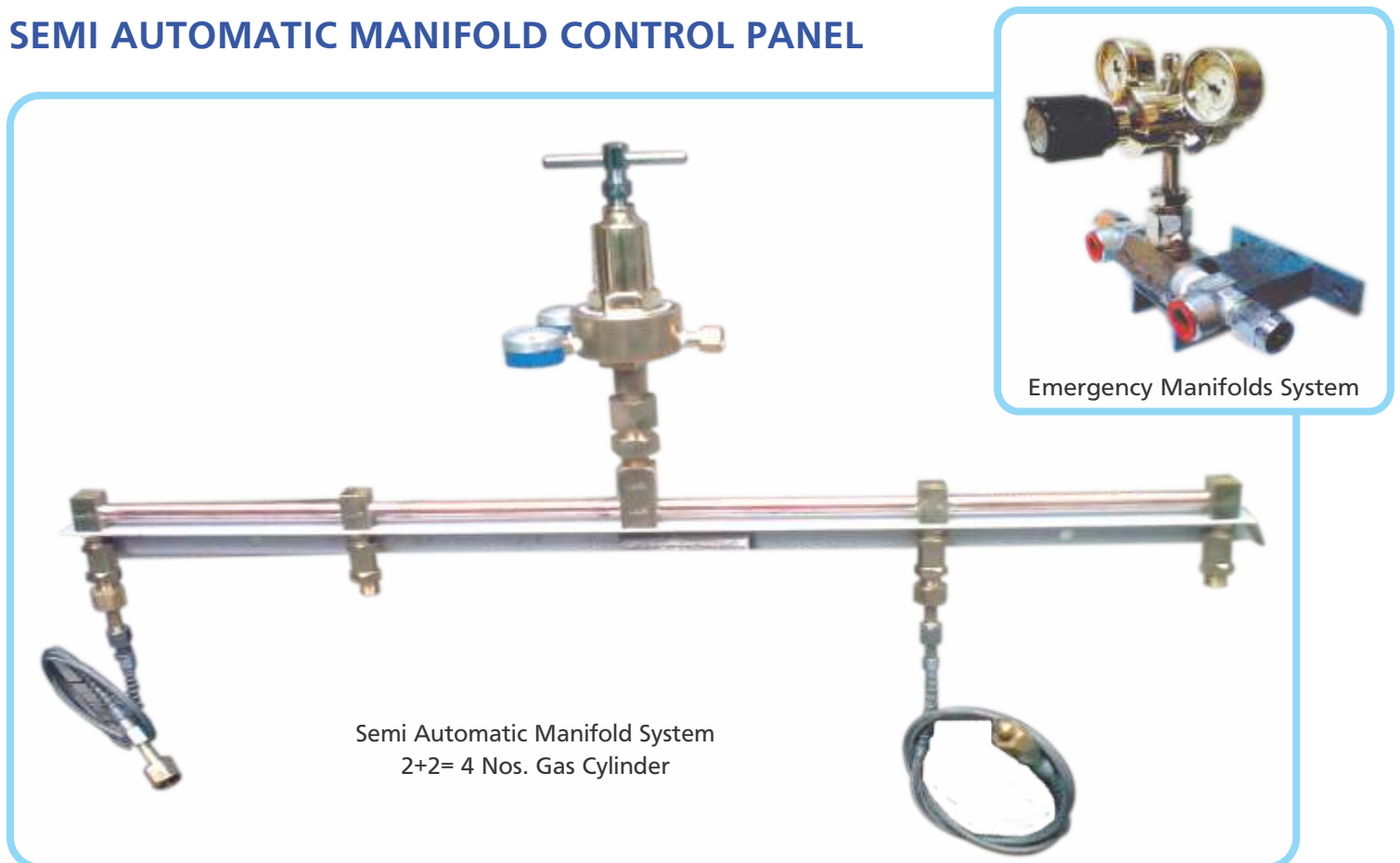


MEDICAL GAS PIPELINE SYSTEM

AUTOMATIC MANIFOLD CONTROL PANEL



SEMI AUTOMATIC MANIFOLD CONTROL PANEL



HORIZONTAL BED HEAD PANEL



- GD-1 - I.P. Pole
- GD-2 - I.V. Stand
- GD-3 - Exam. Lamp
- GD-4 - Monitor Stand
- GD-5 - S.S. Basket



VERTICAL BED HEAD PANEL



MEDICAL GAS OUTLETS



"Amico" Type Gas Outlet Point
Oxygen / N₂O / Air / Vacuum (Gas Service)

Puritan Bennett (P.B.) Types
Gas Outlet Point
Oxygen / N₂O / Air /
Vacuum (Gas Service)



"EMERALD" (Parkodex)
Type Outlet Point Oxygen
/ N₂O / Air / Vacuum
(Gas Service)

OHMEDIA (Diamond)
Type Gas Outlet Point
Oxygen / N₂O / Air /
Vacuum (Gas Service)

(Din Standard)
Front Loading
Double Locking

AREA GAS ALARMS



GD-AL-6

Line Pressure Alarm with Analog Display
Single Gas to Six Gases
(O₂ / N₂O / Air 4 Bar / Air 7 Bar / Co₂ / Vacuum)



GD-AL-DG-5

Line Pressure Alarm with Digital Display
Single Gas to Six Gases
(O₂ / N₂O / Air 4 Bar / Air 7 Bar / Vacuum)



GD-AL-1



GD-AL-1



GD-AL-CP



GD-AL-H-2
Gas Hooter



GD-AN-AL
Anaesthesia Machine
Oxygen
Failure Alarm Device

ZONAL VALVE BOX

The Zonal Valve Box are fully designed to suit multiple operational and requirement and ensure considering space for mounting.

The Configurations of valve boxes are described.

4 services - O₂, N₂O, Air, Vacuum (15, 15, 15, 22 mm)

3 services - O₂, Air, Vacuum (15, 15, 22 mm)

2 services - O₂, Vacuum (15, 22 mm)

5 services - O₂, N₂O, Air 4 Bar, Air 7 Bar, Vacuum

6 services - O₂, N₂O, Air 4 Bar, Air 7 Bar, Co₂ Vacuum



GD-BPC-1

OXYGEN FLOW METERS

Black Pressure compensated flow meter made with chrome plated brass body. Graduated flow tube and cover made of polycarbonate, & unbreakable. Adjustable flow by needle valve (know) with micrometrical regulation. Humidifier bottle is made of unbreakable polycarbonate material and is autoclavable.

 Metal Body
Range 0-15 LPM



600 ml.

1000 ml.

2000 ml.



2000 ml.
Filter Regulator

WARD VACUUM UNITS



2000 ml. S.S. Clamp

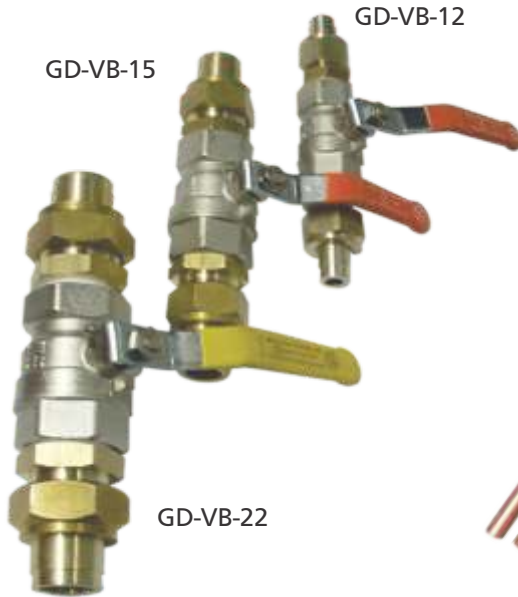
THEATRE SUCTION TROLLEY

The unit illustrated incorporates a vacuum regulator with vacuum gauge. (0-760 MM/HG). Two suction jars of 2000 ml capacity each (4000ml). A three way valve which allows use of either or both suction jars. The rugged structure is made of mild steel & fibre glass to forbeare hard usage & for attractive clinical appearance. Branches chasis is provided with castors for easy mobility.



PIPELINE ACCESSORIES

ISOLATION BALL VALVE



COPPER PIPE & FITTING

All Copper pipe made of phosphorous de-oxide, non arsenical copper as per BS 2871, Part 1, Table X (BS En1057)

"MEXFLOW" / JANYA
As per B.S. : EN 1057 : 2006
Specialised in EN-13348
Medical Grade



PLASTIC SADDLES



VACUUM & AIR SYSTEM

Authorised Dealer :



Tried and tested, the world over :
Sold through Anest Iwata Corp. (Japan)



Receiver Tank
100 Ltr. W.C. To 2000 Ltr. W.C.
Vertical & Horizontal



Air & Gas Filters

(Bacteria Removal Filter for Vacuum Line)



Automatic Drains



Heatless Air Dryers



Lightweight Automatic Oxygen System for Hospitals & Home Care

10 Ltr.
Disposable



IDEAL FOR :

- Angina Pectoris
- Asthma
- Bronchiolitis
- Hypertension
- Lung Congestion
- Memory Improvement

100 Ltr.
Refillable



GD - 5

GD - 2



GD - 3



GD - 4



GD - C1



GD - L8



OUR OTHER PRODUCTS :



HOSPITAL CUBICAL SYSTEM



**CEILING SUSPENDED
IV HANGER**



NURSE CALL SYSTEM



CORNER GUARD & WALL GUARD

**ASK FOR SEPARATE CATALOGUE
FOR THESE PRODUCTS**



MEDICAL MONITOR MOUNT



**GADDIEL TOKEN
DISPLAY SYSTEM**



**GADDIEL QUEUE/OPD
MANAGEMENT SYSTEM**

HOSPITAL FURNITURE





WE ARE...

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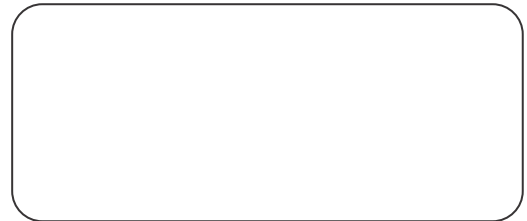
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OUR PRESTIGIOUS CLIENTS

- Apollo Cradle Hospital, Kondapur, Hyderabad
- Apollo Fertility, Guwahati, Assam
- Apollo Cradle Hospital, Nehru Enclave, Delhi
- Apollo Spectra Hospital, Chirag Enclave, Delhi
- Apollo Cradle Hospital, Rajaji Nagar, Bangalore
- Apollo Spectra Hospital, Pusa Road, Delhi
- Apollo Spectra Hospital, Jaipur, (Raj.)
- R R Hospital, Delhi
- Indra IVF Hospital, Allahabad (U.P.)
- Indra IVF Hospital, Varanasi (U.P.)
- Indra IVF Hospital, Lucknow (U.P.)
- Indra IVF Hospital, Gorakhpur (U.P.)
- Indra IVF Hospital, Muzaffarpur (Bihar)
- Indra IVF Hospital, Bhagalpur (Bihar)
- Indra IVF Hospital RDC, Ghaziabad (U.P.)
- Indra IVF Hospital, Hissar (Hr.)
- Indra IVF Hospital, Jammu (J&K)
- Indra IVF Hospital, Nagpur (Mh.)
- Indra IVF Hospital, Bellari (Karnatka)
- Ela Hospital, Muzaffarnagar (U.P.)
- Shanti Gopal Hospital, Indrapuram, Ghaziabad (U.P.)
- Bakson Hospital & Homeopathy Medical college, Gr. Noida (U.P.)
- Shakuntla Hospital, Allahabad (U.P.)
- Jewan Jyoti Hospital, Bahadurgarh (Hr.)
- Lal Bahadur Shastri Hospital, Varanasi (U.P.)
- Jeewan Anmol Hospital, Mayur Vihar, Delhi
- World Brain Center Hospital, Janakpuri, Delhi
- Sachan Nursing Home, Pillibhit (U.P.)
- Khatri Nursing Home, Vijay Nagar, Ghaziabad (U.P.)

Authorized Distributor/Dealer



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