



MODULAR OPERATION THEATRES

By

Asiatic Industries India Pvt. Ltd.



- Designed and produced for Asiatic in China under OEM agreement with NINE SUNPLUS SYSTEMS, GUANGZHOU
- Prefabricated, pre-assembled, knocked down, transported in container and assembled at site
- True modular, stand alone and self supporting

OEM PRODUCT FROM CHINA

- Coordinated design
- Factory product
- Guaranteed quality – CE certified, HTM complied
- Guaranteed finish
- Speedy construction
- Ease of maintenance
- Total package and flexible in use
- Green energy concepts in design

SALIENT FEATURES

- Asiatic Modular Operation Theaters are designed and constructed with pre-fabricated stainless steel panels assembled to stand- alone, self-supporting structure for interior.
- The stainless steel used is 304 grade (18%Cr; 8%Ni) 1.0/1.2mm thick; one side No. 4 satin finish and protected by PVC sheet.
- PVC sheet removed after completion of work.
- Optionally anti-bacterial coated finish with pleasant colours also available
- Alternatively we provide Glass, Vinyl or Epoxy walls as well.
- Canopy type Ceiling is Stainless Steel.

WALLS AND CEILING

- Standard SS panels 8 feet x 4 feet in size
- Corner panels short and with 500mm chamfer
- Joints on wall panels cold welded and made seamless & sprayed by stainless steel spray
- Supporting frames are galvanized/Epoxy painted steel sections mounted on floor and supported to ceiling slab

WALLS AND CEILING

- Joints on ceiling panels are silicon sealed and made seamless
- No brick walls required for OT
- Exterior of walls are 10mm thick partition boards painted to light blue/green/beige shade
- Can fit in to existing OT with walls as well
- Design is NABH/JCI complied

WALLS AND CEILING

- Doors are hermetically sealing Automatic single panel sliding with hands-free and touch button controls
- Can provide controls and locks with biometric/smart card/password for individual or group of OTs; Integration with building automation
- Door panel made of particle board embedded in frames of extruded Aluminium sections
- Doors have round vision panels – 500mmdia.
- Doors have handle to operate if needed
- Door closing and parking are at differential speeds
- Doors have collision protection

DOORS

- Flooring is self leveling Vinyl / PU/Epoxy
- Antistatic and conductive to high frequency
- Provided with copper strips underneath
- Double earthing provided
- Flooring is seamless and scratch resistant
- Stain resistant
- 2 to 3mm thick on an average with curved skirting

FLOORING

- Vertical laminar flow – Four stage filter chain
- Positive pressure in theaters – 25pa
- Downward and outward displacement of air
- Air Plenum is made of 1 mm thick SS304
- Fine HEPA filter 0.3micron 99.97% efficiency
- Temperature 20 – 22 degree Celsius
- Relative humidity 45 – 65
- Air change 30 (Recommended) – no turbulence
- Air velocity at filter face 80 – 100 fpm
- Provided with Monofilament double layer membrane diffuser at air plenum face
- Design is compatible to most OT lights

AIR MANAGEMENT

- Dedicated high static air purifier cum chiller for each OT – Dust filter, Pre-filter, Micro-V filter, HEPA Filter
- Gas based condenser of reputed make
- Double skin five section AHU
- Air mixing – 80% recycling/20% fresh air. 100% fresh air can also be provided for specific requirement
- Imported high static DIDW blower fan
- Humidifier and dehumidifier

AIR PURIFICATION AND CHILLING

- Digital clocks for real and elapsed time
- Electric controls
- Medical gas monitoring
- Air conditioning controls and indications
- Telephone – hands free
- Data ports
- Can add on features

OT CONTROL PANEL











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Asiatic Industries



EXIT

濟南南門外大街

换床室

Asiatic Industries



AUTOMATIC SLIDING DOOR



DOOR HANDLE



DOOR ACTUATION



LAMINAR FLOW



LAMINAR FLOW / CEILING



CEILING LIGHTS



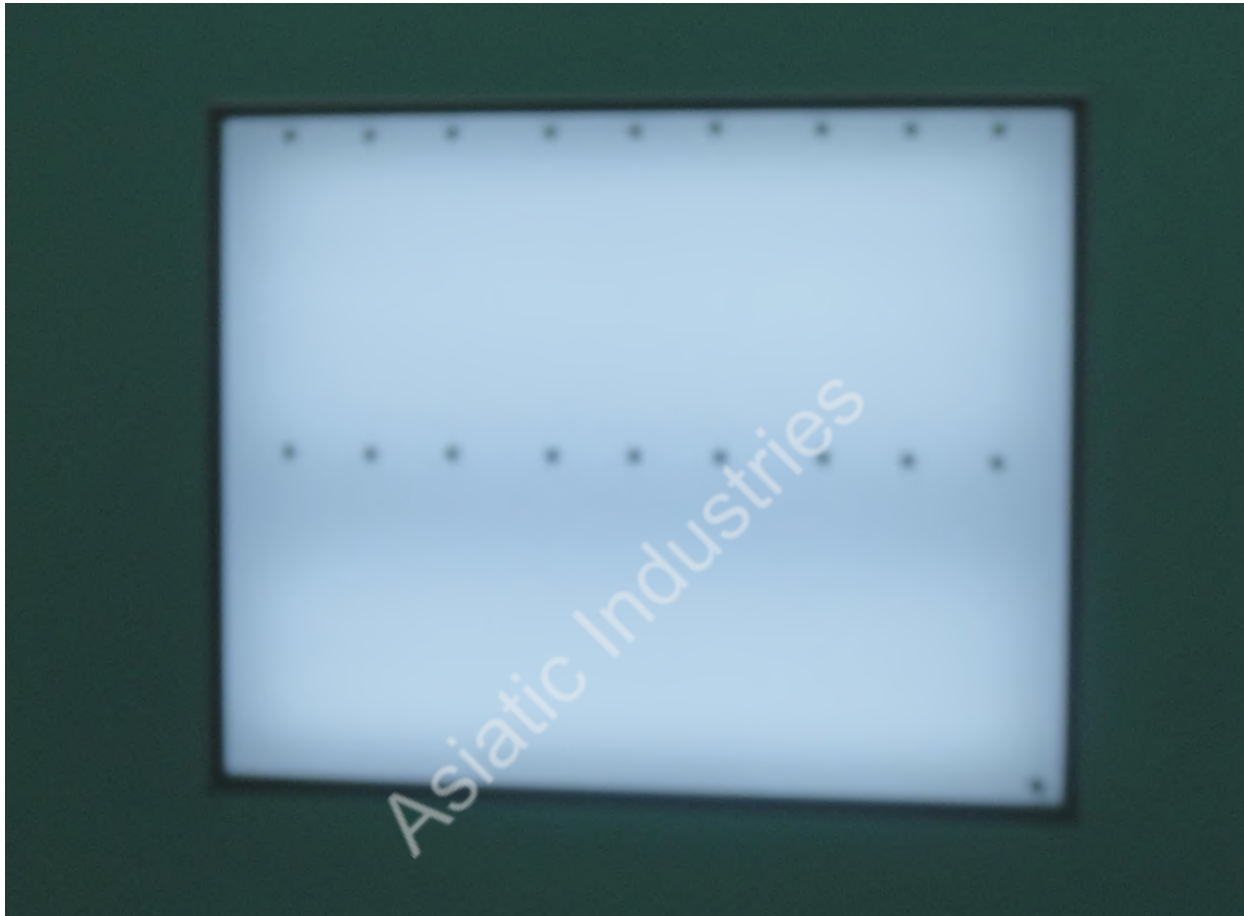
THEATRE INTERIOR AND FLOORING



PASS BOX



THEATRE CONTROL PANEL



X-RAY VIEWER



SCRUB STATION



**NINE
SUNPLUS
SYSTEMS**

OUR OEM PARTNERS IN CHINA



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December 4th, 2010

Authorization Letter

To whom it may concern,

This is to declare that we are entering in to agreement with Asiatic Medical And Engineering India Pvt. Ltd. Archana Hospital Complex, Pandalam, Kerala - 689501, India under OEM arrangement for manufacturing and supplying Modular Stainless Steel Operation Theaters in our factory as per our design and quality certifications.

Should you have any queries, please feel free to contact the undersigned.

Yours truly,

Lily Cheung/ Marketing Manager
Nine Sunplus Systems
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Fax: 86-(769)-2698-0398
Mobile: 86 137-9492-3592



Factory address: Building 16, Shabu Industrial Zone, Nangang Street, Huangpu District, Guangzhou City, China

NINE SUNPLUS SYSTEM

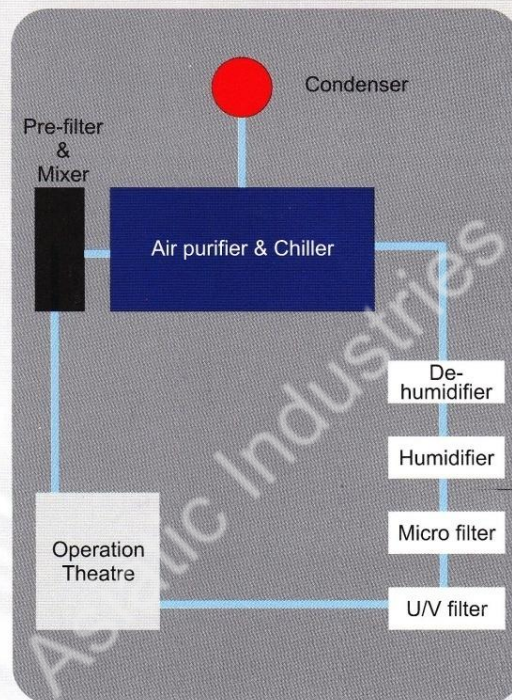
OEM AUTHORIZATION LETTER



AIR PURIFICATION CUM CHILLER UNIT FOR HIGH END MODULAR OT

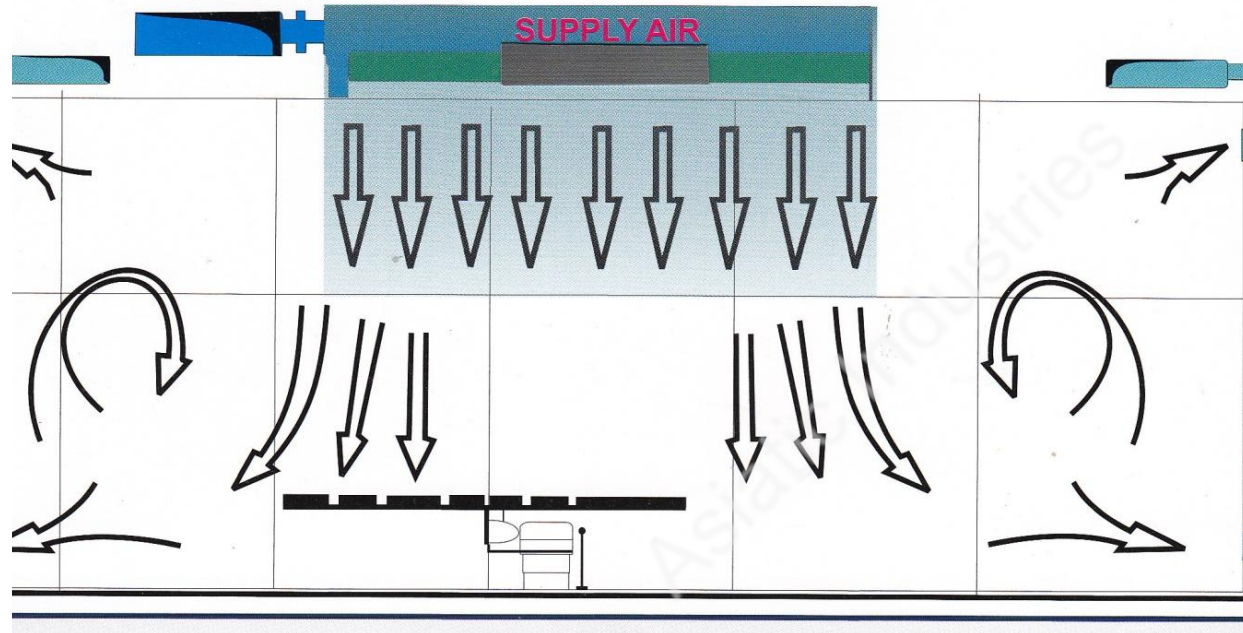
AIR PURIFICATION SYSTEM

This is specially designed high static packaged Air-Condition unit powered by 8.3 TR out door air-cooled condensing unit and double skin PUF insulated Air Handling Unit provided with 12 HP COPELAND Scroll Compressor – Imported, Pre-plasticized GI outer shell and plain GI inner shell AHU body, 28mm thick PUF insulation for AHU body, Imported backward curved DIDW centrifugal blower fan (Nicotra or Kruger), ABB or Kirlosker blower motor, Imported copper tubes, De- humidifier / Humidifier, Pre- filter 10 micron HDP, Micro-Vee filter chamber at delivery side, Air mixing chamber with fresh air and vent provisions, Air mixing ratio – 20% fresh air; 80% recycling (100% fresh air as optional), Cooling 20 to 22 degree celcius at 55 to 65 RH.



AIR PURIFICATION SYSTEM

VERTICAL LAMINAR FLOW



**VERTICAL
LAMINAR FLOW
IN HIGH END
OPERATION
THEATRES**

AIR MANAGEMENT IN OT

THANK YOU

Asiatic Industries India Pvt. Ltd.