







S. NO.	RF SHIELD BIX	Part No.	DESCRIPTION	IMAGES
1	Lock type manual shield box	Model Type:M3020	<p>Dimensions: (L) 330mm × (W) 200mm × (H) 160mm;  shielding effect: ≥70dB  RF signal transmission Interface: SMA × 4PCS  Filter: can be cater to your requirements(choose one or two filters) as follows</p>	
2	M2020 Manual Shield Box	Model Type:M2020	<p>shielding effectiveness:&gt;75 dB(1-3GHz)  RF connector:SMA×1pcs  Outer Dimension:215(L)×215(W)×228(H)mm  Inner Dimension:200(L)×200(W)×200(H)mm  Filter: USB*2PCS  Weight:6KG</p>	
3	M4040 manual shield box	Model Type:M4040	<p>Work Space: (L) 400mm × (W) 400mm × (H) 400mm;  shielding effectiveness: greater than 70dB, up to 5.8GHz of the leak test;  RF signal transmission Interface: SMA × 5PCS  Filter: Can cater to your requirements as follows(choose one, two or there filters):</p>	
4	Manual RF Shield Box	Model Type:MD3020	<p>shielding effectiveness:&gt;60 dB(2-6GHz)  RF connector:N-SMA×2  Outer  Dimension:470(W)mm×330(D)mm×230(H)mm  Inner  Dimension:280(W)mm×220(D)mm×160(H)mm  Filter: Can cater to your requirements as follows(choose one filter):</p>	
5	Pneumatic Shield Box	Model Type:D3020	<p>Shielding effectiveness:≥75dB(0~3GHZ)  Outer  dimensions:340(w)*260(D)*300(H)mm  Inner  dimensions:290(w)*180(D)*135(H)mm  Shielding material:absorbing rubber  Operating temperature:0~50°C  Storage temperature:-10~60°C  RF connector:RS232*1 PCS,SMA *2PCS,DB-9PIN,DB-25PIN</p>	
6	RF Shield Box SD 4040	Model Type:SD4040	<p>Inner dimensions: (L) 400mm × (W) 400mm × (H) 220mm  Outer demensions:(L) 465 x (W) 425 x (H) 325 mm  shielding effectiveness: 1.7~2.4GHz &gt;80Db;5.8GHz &gt;70dB  RF connectors: SMA × 4PCS  Filter: Can cater to your requirements as follows(choose one or two filters):</p>	

7	RF shield box(SD5050)	Model Type:SD5050	<p>Inner dimensions: (L) 500mm × (W) 500mm × (H) 290mm  Outer dimensions:(L) 515 x (W) 515 x (H) 375 mm  shielding effectiveness: &gt;70dB  RF connectors: SMA × 4PCS  Material:Alufer  Filter: Can cater to your requirements as follows(choose one or two filters):</p>	
8	Semi-Automatic Shield Box	Model No:MD7545	<p>Shielding effectiveness:&gt;70 dB(800-6000Mhz)  RF connector:SMA*1  Outer Dimension:500(W)mm×300(D)mm×800(H)mm  Inner Dimension:460(W)mm×260(D)mm×760(H)mm  Weight:34KG  Color:off-white  Filter:RS232*3+DC*2</p>	
9	Semi-Automatic Shield Box	Model Type:SMD4020	<p>Shielding effectiveness:60dB(2-6GHz)  RF connector:SMA×3pcs  Outer Dimension:420(L)×220(W)×280(H)mm  Inner Dimension:390(L)×180(W)×250(H)mm  Filter:DB37*2PCS+DB9*4PCS+USD*1PCS  Weight:15KG</p>	
10	UHF TEM Cell	Model Type : UN-508 UHF TEM Cel	<p>1.Mechanical characteristic  Operation  Mode:manual operation  Size:344mm(L)*380mm(W)*715mm(H)  Box material:aluminium alloy  Color:gray or coffee  Weight:about 19kg  2.Sheilding features  0.1~3.0GHz&gt;80dB 100MHz-3GHz field strength of test point:4.47μV/m,13dBμV/m@1μV  input loss:25dB  3. Connector specification:  RF signal transmission:SMA-N 2pcs,DB25-1000PF 1pcs  Operation temperature:0~+50°C  Storage temperature:-10~+60°C</p>	

# INTRODUCTION

**Synergy Telecom Pvt Ltd** is a leading provider and manufacturer of Telecom Antennae, Cable assemblies, Microwave Components, IOT and M2M learnin BTS installation materials, Solar passive components and solutions. We main inventory of fast-moving material like Cable, Cable Assemblies, Connectors, components and Installation Material. We are approved vendors with **BEL, I RAILWAYS, ISRO, Private Telecom Operators, BSNL**. We believe in creating v customers by continuous improvement of products, service quality and cust satisfaction.

We provide products from dc through microwave and milli-meter wave fr our international commercial and military customers who are involved in hig frequency industries including radar, communications, high energy physics, industrial heating, medical electronics, etc.

Established in 2000, Synergy Telecom has developed and maintains long-ter integrity relationships with many manufacturers throughout India and with customers throughout the world.

We have added new products to our product catalogue i.e is RF Shielding Ch

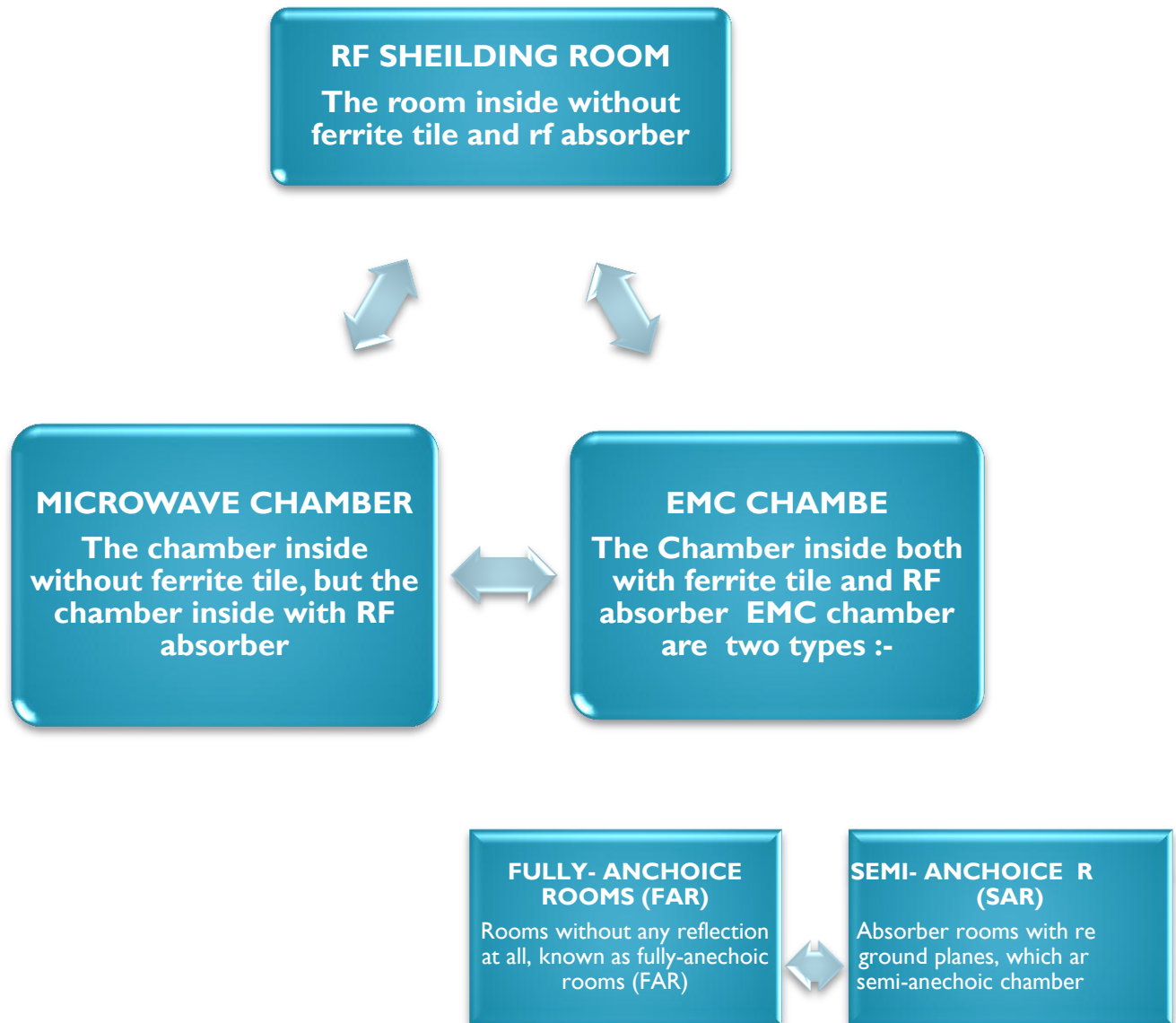
## Product Details

An electromagnetic compatibility (**EMC**) or anechoic chamber highly specialized piece of test equipment used in the testing o electronic devices against regulatory standards concerning both radiated and conducted radio frequency (RF) emissions and immunity.

EMC or **anechoic chambers** are designed to create an enclosur with an extremely high level of shielding attenuation against electromagnetic interference.

The word 'anechoic' means simply 'without echo'. **An anechoic chamber is a box, chamber or room designed to completely absorb reflections of either sound or electromagnetic waves.**

# Type of chamber



# RF SHIELDING ROOM

## RF shielding room key Features:

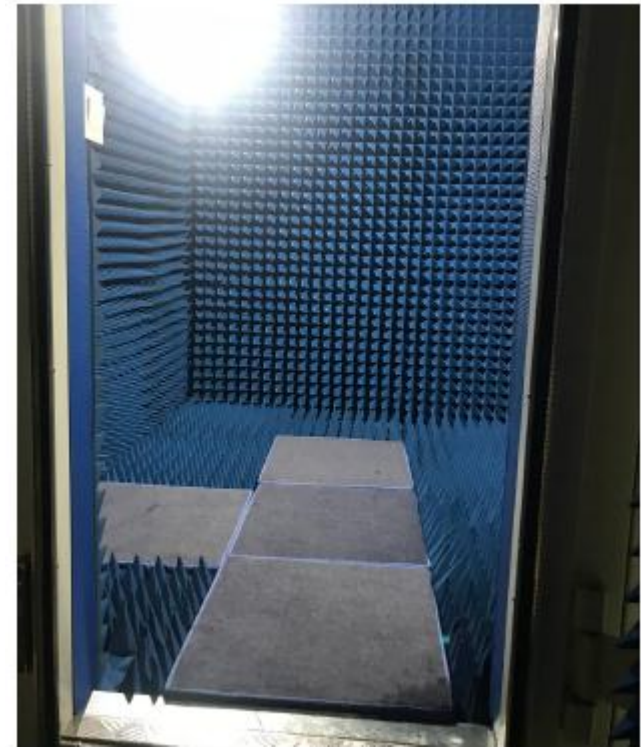
- RF Shielding room constructed by 2mm pan type galvanized steel panel.
- Pre compliance for immunity and emission performance in accordance with EN61000.4.3/EN50147-1
- Modular pan type panel design enables easy site changes or upgrading.
- Available various size and color of shielded room.



# MICROWAVE CHAMBER

## Microwave chamber key Features:

- Microwave chamber made of bolted, full metal modules (galvanised sheet steel) to satisfy the highest requirements.
- Available various size and color of shielded room.
- Premium shielding, mounted on an existing room structure
- We exclusively use absorbers by our subsidiary Emerson & Cuming Anechoic Chambers (E&C) for microwave test chambers.



# EMC CHAMBER

## EMC chamber key Features:

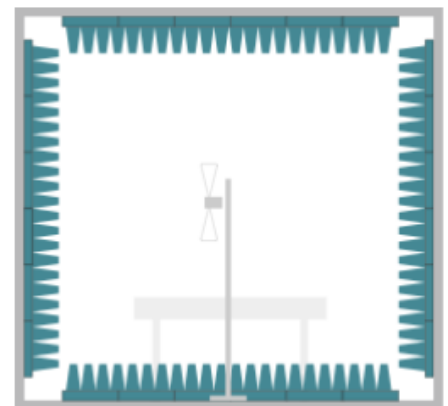
- Microwave chamber made of bolted, full metal modules (galvanised sheet steel) to satisfy the highest requirements.
- Your EMC room, tailored to suit your test part and the test standards that are relevant to your needs.
- Available various size
- For tests with a reflective floor plate or in completely reflection-free chambers.



# FULLY-ANECHOIC ROOM

## Fully anechoic room key Features:

- Fully-anechoic rooms have the advantage that they are more compact and therefore less costly to build.
- fixed antenna in the FAR takes considerably less time.

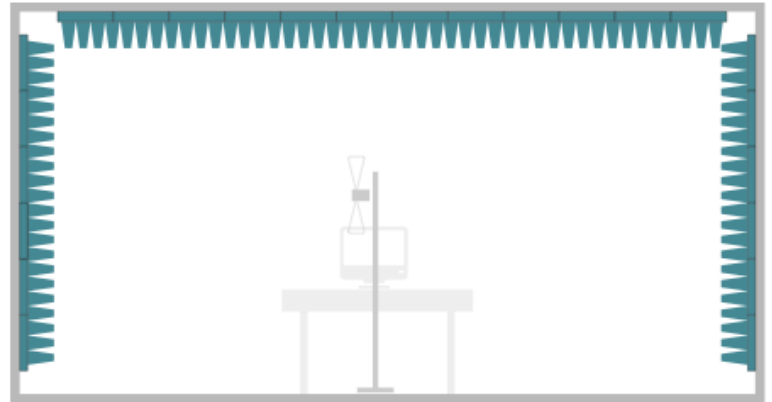


Fully-anechoic Room (FAR)

# SEMI-ANECHOICE ROO

## Semi anechoic room key Features:

- Semi-anechoic rooms (SAC )is advisable for heavy test objects weighing more than approx. 200 kg.
- Testing in an FAR requires positioning of the test subject at half the room height.



Semi-anechoic Chamber (SAC)