

PRODUCTS CATALOGUE

ABOUT IGOS-MN

Since 2004, Igos RF Shielding has been focusing its efforts on the shielding field.

From the birth of our company, we have been aiming to be a world leader in the shielding field.

Igos RF Shielding designs, produces, assembles and tests all RF shielding products.

We meet all international and military standards, and offer a variety of RF products such as: screen rooms, chambers, enclosures, cabinets and boxes.

Our products achieve high shielding performance levels, utilizing superior components.

We have established many relationships with various leading companies around the world.

Igos RF Shielding specializes in:

- RF shielded box
- RF shielded enclosures
- RF shielded chambers
- RF shielded room cooper screen
- EMI/RFI shielded vent panel (Honeycomb)
- EMI/RFI shielded window
- Filtered connector panels
- Power and Signal RF Filter
- Test fixtures
- Special and custom made test products
- Attenuation tests
- Consulting

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OUR PRODUCTS

IGOS - RF Shielding is proud to present their RF boxes series that are designed to meet the individual needs of each client. Our series has been designed following years of experience, coupled with understanding the market demands. The series provides varied solutions for RF shielding in every environment.

All of our products have been tested according with MIL-STD -285 & IEEE STD 299.1-2013.

We are committed to the quality and ability of our products.

Each box, enclosure and chamber has separate connector panels, that allows effective set-up switching. Each connector panel specifications are produced by customer demand.



IG-B Series is the most

common series used by Israeli high-tech companies. This series lends itself to a variety uses at the working area.

The series is offered in many sizes; starting with the smallest boxes (20cmX30cm) up to the working stations. (60cmX60cm).

Each box has different performance, by costumer demeaned.

KEY FEATURES

- RF shielding up to 12GHz and more
- Compact design, light weight
- RF absorbent foam liner
- Double lip RF sealing
- Manual operation
- For small and medium UUT's
- Custom made IO's panel

A custom product (dimensions, shape color and other parameters) is possible.









IG-118B

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage:

50 VDC, max 3 Amp

Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm): L=21, D=50, H=42

Weight: 15 Kg Color: RAL 9010 Material: Aluminum

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 80dB 1.0GHz - 3.0GHz > 80dB 3.0GHz - 12.0GHz > 80dB

IG-244B

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage:

50 VDC, max 3 Amp

Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm): L=22, D=33, H=14 Weight: 4.5 Kg Color: RAL 9010

Material: Aluminum

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 80dB 1.0GHz - 3.0GHz > 80dB 3.0GHz - 12.0GHz > 80dB

IG-253B

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage:

50 VDC, max 3 Amp

Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm): L=32, D=45, H=24 Weight: 12 Kg

Color : RAL 9010
Material: Aluminum

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 80dB 1.0GHz - 3.0GHz > 80dB 3.0GHz - 12.0GHz > 80dB



IG-460B

MECHANICAL & ELECTRICAL **SPECIFICATIONS:**

Line voltage:

50 VDC, max 3 Amp 220 VAC, max 16 Amp

Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm):

L=50, D=30/60, H=30

Weight: 7 Kg / 22 Kg

Color: RAL 9010 Material: Aluminum

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 80dB 1.0GHz - 3.0GHz > 80dB 3.0GHz - 12.0GHz > 80dB



IG-460B with gloves

MECHANICAL & ELECTRICAL **SPECIFICATIONS:**

Line voltage:

50 VDC, max 3 Amp 220 VAC, max 16 Amp

Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm):

L=50, D=30, H=30

Weight: 8 Kg Color: RAI 9010 Material: Aluminum

TYPICAL RF SHIELDING:

0.1 GHz - 1.0 GHz > 65 dB1.0GHz - 3.0GHz > 65dB3.0GHz - 12.0GHz > 65dB



IG-550B

MECHANICAL & ELECTRICAL **SPECIFICATIONS:**

Line voltage:

50 VDC, max 3 Amp 220 VAC, max 16 Amp

Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm): L=50, D=50, H=40 Weight: 26 Kg

Color: RAL 9010 Material: Aluminum

TYPICAL RF SHIELDING:

0.1 GHz - 1.0 GHz > 80 dB1.0GHz - 3.0GHz > 80dB 3.0GHz - 12.0GHz > 80dB



IG-622B

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage:

50 VDC, max 3 Amp 220 VAC, max 16 Amp

Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm): L=60, D=50, H=50

Weight: 35 Kg Color : RAL 9010 Material: Aluminum

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 80dB 1.0GHz - 3.0GHz > 80dB 3.0GHz - 12.0GHz > 80dB



IG-640B

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage:

50 VDC, max 3 Amp 220 VAC, max 16 Amp

Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm): L=60, D=50, H=40

Weight: 18 Kg Color : RAL 9010 Material: Aluminum

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 80dB 1.0GHz - 3.0GHz > 80dB 3.0GHz - 12.0GHz > 80dB



IG-901B high performances

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage:

50 VDC, max 20 Amp 220 VAC, max 16 Amp

Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm): L=49, D=65, H=53 Weight: 56 Kg

Color : RAL 9010 Material: Steal

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 120dB 1.0GHz - 3.0GHz > 120dB 3.0GHz - 12.0GHz > 100dB

IG-BW Series

RF shielding boxes, with a large window and LED light, that allow exhibitors to demonstrate the performance of their products in the ideal way.

Built with top of the line components. Aluminum body, special honey comb and Custom made IO's panel. front door, with double sealing. Covers with Foam insulation

KEY FEATURES

- RF shielding up to 8 GHz
- Compact design , light weight
- Manual operation
- For small and medium UUT's
- Internal lighting



IG-BW

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage:

50 VDC, max 3 Amp 220 VAC, max 16 Amp

Ventilation: 2 RF vent windows

AC or DC fan

Hinges: special custom made hinges for robust operation and sealing Locks and handle: special double

functions handle Dimension (cm):

Can fit to any IG-B series box

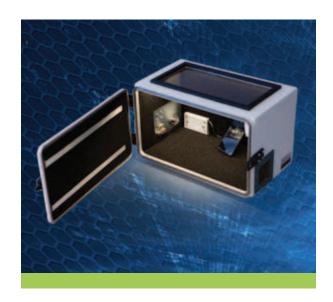
Color: RAL 9010 Material: Aluminum

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 70dB 1.0GHz - 3.0GHz > 70dB 3.0GHz - 8.0GHz > 70dB









IG-E Series chambers design especially for the new 5G technology.

Assembled with the best components, the series built to solve the upcoming challenges of the new 5G technology, measuring OTA at a wide band of frequencies without any disruption.

Staring at 100MHz and up to 70GHz, the E series insure high shielding performances to solve any kind of challenge that rising with the new 5G technology.

KEY FEATURES

- RF shielding up to 70 GHz
- Double lip RF sealing for high attenuation
- Robust locking system
- Manual operation
- Special custom made hinges for robust operation
- Internal lighting
- High flow ventilation
- Custom made IO's panel

A custom product (dimensions, shape color and other parameters) is possible.







MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 220 VAC, 32 Amp Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm): L=135, D=130, H=160

Weight: 320 Kg Color: RAL 9010 Material: SAE1020

TYPICAL RF SHIELDING:

DC -10GHz > 110dB 10GHz - 40GHz > 100dB 40GHz - 70GHz > 90dB



IG-262E

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 220 VAC, 32 Amp Ventilation: 2 RF vent windows

AC or DC fan
Dimension (cm):
L=98, D=92, H=107
Weight: 150 Kg
Color: RAL 9010

Material: SAE1020

TYPICAL RF SHIELDING:

DC -10GHz > 110dB 10GHz - 40GHz > 100dB 40GHz - 70GHz > 90dB



IG-316E

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 220 VAC, 32 Amp Ventilation: 2 RF vent windows

AC or DC fan
Heavy duty cart
Dimension (cm):
L=150, D=150, H=97
Weight: 200 Kg
Color: RAL 9010

Material: SAE 1020

TYPICAL RF SHIELDING:

DC -10GHz > 110dB 10GHz - 40GHz > 100dB 40GHz - 70GHz > 90dB



IG-352E

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 220 VAC, 32 Amp Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm): L=120, D=90, H=90 Weight: 165 Kg

Color: RAL 9010 Material: SAE 1020

TYPICAL RF SHIELDING:

DC -10GHz > 110dB 10GHz - 40GHz > 100dB 40GHz - 70GHz > 90dB



IG-712E

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 50 VDC, 3 Amp or other

220 VAC, 16 Amp or other

Ventilation: 4 RF vent windows

AC or DC fan Heavy duty cart Dimension (cm):

L=any long, D=100, H=100

Weight: 115 Kg Color: RAL 9010 Material: Aluminum

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 90dB 1.0GHz - 3.0GHz > 90dB 3.0GHz - 12.0GHz > 90dB



IG-442E

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 220 VAC , 32 Amp Ventilation: 2 RF vent windows

AC or DC fan
Heavy duty cart
Dimension (cm):
L=100, D=100, H=220

Weight: 275 Kg Color: RAL 9010 Material: SAE1020

TYPICAL RF SHIELDING:

DC -10GHz > 110dB 10GHz - 40GHz > 100dB 40GHz - 70GHz > 90dB



IG-514E

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 50 VDC, max 3 Amp

220 VAC, 16 Amp

Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm): L=80, D=80, H=220 Weight: 200 Kg Color: RAL 9010

Material: SAE 1020

TYPICAL RF SHIELDING:

DC -10GHz > 110dB 10GHz - 40GHz > 100dB 40GHz - 70GHz > 90dB



IG-811E

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 220 VAC, 32 Amp Ventilation: 2 RF vent windows

AC or DC fan Heavy duty cart Dimension (cm): L=85, D=85, H=195 Weight: 120 Kg Color: RAL 9010

Material: SAE 1020

TYPICAL RF SHIELDING:

DC -10GHz > 110dB 10GHz - 40GHz > 100dB 40GHz - 70GHz > 90dB

IG-OV Series has

been built especially for testing the product in "climate chamber." Furthermore, this series has the ability to work under extreme conditions.

This series is unique and we are the only company that deals with the complexity of this demand.

This series has different measurements that fit into the climate chamber.

The series allows testing in extreme conditions and in high temperature differences of (-50°C) - 140°C

KEY FEATURES

- RF shielding up to 12 GHz
- Special design for climate chamber
- Compact design
- Double protection RF sealing
- Manual operation
- For small and medium UUT's
- Custom made IO's panel

A custom product (dimensions, shape color and other parameters) is possible.







MECHANICAL & ELECTRICAL SPECIFICATIONS:

Work temperature: (-50C°) - 140C°

Line voltage:

100 VDC, max 20Amp

Ventilation: 2 RF vent windows

DC fan

Dimension (cm): L=40, D=30, H=49.5

Weight: 10 Kg

Material: Stainless steel

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 90dB 1.0GHz - 3.0GHz > 85dB 3.0GHz - 12.0GHz > 75dB



IG-631 OV

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Work temperature: (-50C°) - 140C°

Line voltage:

100 VDC, max 20Amp

Ventilation: 2 RF vent windows

DC fan

Dimension (cm):

L=25, D=26, H=22

Weight: 7.5 Kg

Material: Stainless steel

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 90dB 1.0GHz - 3.0GHz > 85dB 3.0GHz - 12.0GHz > 75dB



IG-820 OV

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Work temperature: (-50C°) - 140C°

Line voltage:

100 VDC, max 20Amp

Ventilation: 2 RF vent windows

DC fan

Dimension (cm): L=21, D=21, H=28

Weight: 7 Kg

Material: Stainless steel

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 90dB 1.0GHz - 3.0GHz > 85dB 3.0GHz - 12.0GHz > 75dB

IG-R Series has

designed for ideal functionality. While simultaneously, creating a product that is user friendly.

The IG-R series is made especially for using in rack enclosures.

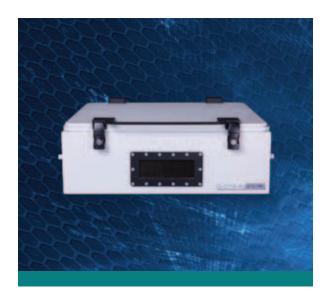
The product is ready to install in the rack enclosures, and can be removed and transferred easily.

KEY FEATURES

- RF shielding up to 12 GHz
- Designed especially for rack enclosure
- Compact design, light weight
- RF absorbent foam liner
- Double lip RF sealing
- Custom made IO's panel

A custom product (dimensions, shape color and other parameters) is possible.





IG-271R-4U

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 220 VAC, 32 Amp Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm): L=60, D=70, H=4U Weight: 14 Kg

Color: RAL 9010 Material: Aluminum

Drawer type. Top opening door

for 27" Rack

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 80dB 1.0GHz - 3.0GHz > 80dB 3.0GHz - 12.0GHz > 80dB



IG-271R-12U with gloves and window MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 220 VAC, 32 Amp Ventilation: 2 RF vent windows

AC or DC fan
Dimension (cm):
L=60, D=86, H=12U
Weight: 28 Kg
Color: RAL 9010
Material: Aluminum

Drawer type. Top opening door

for 27" Rack

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 60dB 1.0GHz - 3.0GHz > 60dB 3.0GHz - 12.0GHz > 60dB



IG-271R-12U

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 220 VAC, 32 Amp Ventilation: 2 RF vent windows

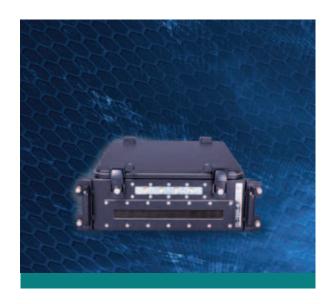
AC or DC fan
Dimension (cm):
L=60, D=70, H=12U
Weight: 25 Kg
Color: RAL 9010
Material: Aluminum

Drawer type. Top opening door

for 27" Rack

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 80dB 1.0GHz - 3.0GHz > 80dB 3.0GHz - 12.0GHz > 80dB



IG-190R-4U

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 220 VAC, 32 Amp Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm): L=40, D=50, H=4U Weight: 10 Kg

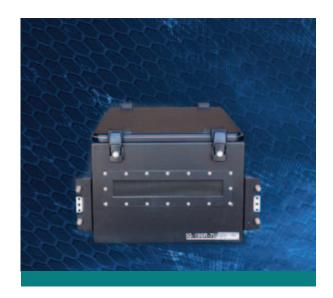
Color: RAL 9005 Material: Aluminum

Drawer type. Top opening door.

For 19" Rack

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 80dB 1.0GHz - 3.0GHz > 80dB 3.0GHz - 8.0GHz > 80dB



IG-190R-7U

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 220 VAC, 32 Amp Ventilation: 2 RF vent windows

AC or DC fan
Dimension (cm):
L=40, D=50, H=7U
Weight: 17 Kg
Color: RAL 9005
Material: Aluminum

Drawer type. Top opening door.

for 19" Rack

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 80dB 1.0GHz - 3.0GHz > 80dB 3.0GHz - 8.0GHz > 80dB



IG-190R-9U

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 220 VAC, 32 Amp Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm): L=40, D=50, H=9U Weight: 20 Kg

Color: RAL 9010 Material: Aluminum

for 19" Rack

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 80dB 1.0GHz - 3.0GHz > 80dB 3.0GHz - 8.0GHz > 80dB



IG-190R-9U for RX & TX applications MECHANICAL & ELECTRICAL

Line voltage: 220 VAC, 32 Amp Ventilation: 2 RF vent windows

AC or DC fan
Dimension (cm):
L=40, D=50, H=9U
Weight: 30 Kg
Color: RAL 9010
Material: Aluminum

SPECIFICATIONS:

for 19" Rack

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 80dB 1.0GHz - 3.0GHz > 80dB 3.0GHz - 8.0GHz > 80dB



IG-190R-11U

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 220 VAC, 32 Amp Ventilation: 2 RF vent windows

AC or DC fan
Dimension (cm):
L=40, D=50, H=11U
Weight: 25 Kg

Color: RAL 9010 Material: Aluminum

for 19" Rack

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 80dB 1.0GHz - 3.0GHz > 80dB 3.0GHz - 8.0GHz > 80dB



IG-190R-14U

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 220 VAC, 32 Amp Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm): L=40, D=50, H=14U Weight: 30 Kg

Color: RAL 9010
Material: Aluminum

For 19" Rack

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 80dB 1.0GHz - 3.0GHz > 80dB 3.0GHz - 8.0GHz > 80dB



IG-190R-42U One space with 3 doors

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Line voltage: 220 VAC, 32 Amp Ventilation: 2 RF vent windows

AC or DC fan Dimension (cm): L=40, D=50, H=42U

Weight: 90 Kg Color: RAL 9010 Material: Aluminum

For 19" Rack

TYPICAL RF SHIELDING:

0.1GHz - 1.0GHz > 80dB

1.0GHz - 3.0GHz > 80dB

3.0GHz - 8.0GHz > 80dB

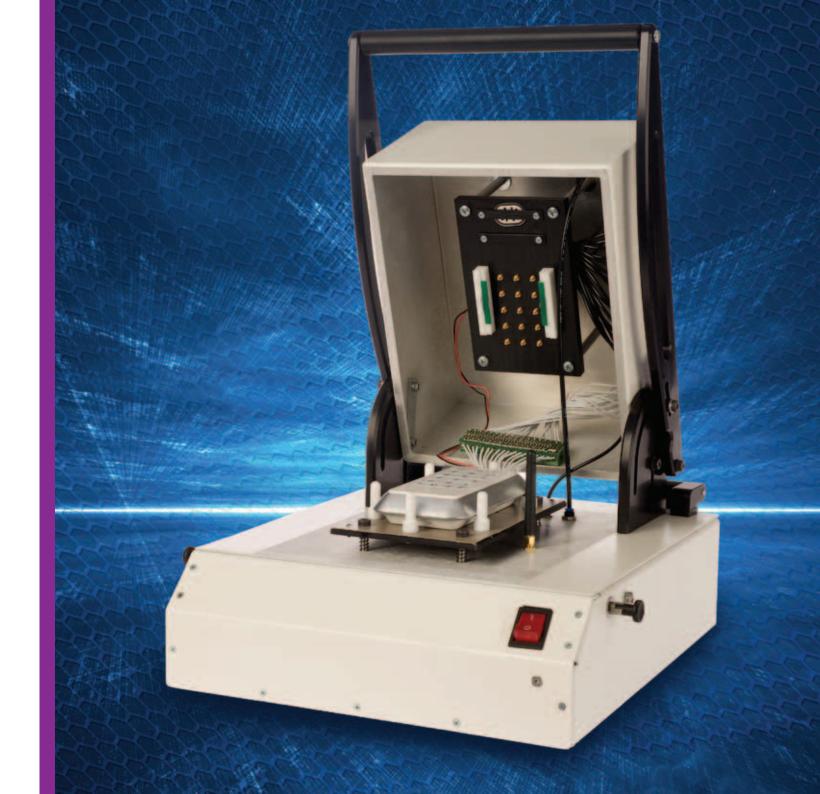


IG-TF Series has been developed and designed, to test all types of contacting demands.

Our IG-TF products design to fit any kind of products in PCB level as well as product level.

The IG-TF products build by using the advances design tools, high quality test probes and performances.

IGOS RF Shielding have unique type of IG-TF productsthat contain integrated rf shielding box together with the test fixtures.



IG-109TF

MECHANICAL & ELECTRICAL SPECIFICATIONS:

Generic test fixture with RF shielding Manual closing mechanism Large test space Change able UUT fixture Computer box with standard IO panel + vent

- Front on-off switch
- AC inlet
- SAM
- Audio connector
- Air inlet
- LAN connectors x2
- Telephone connectors x2
- Banana jack x 4

Product dimensions (cm): By customer demands

ATTENUATION LEVEL: min 40 dbm up to 85 dbm









ABSORBERS

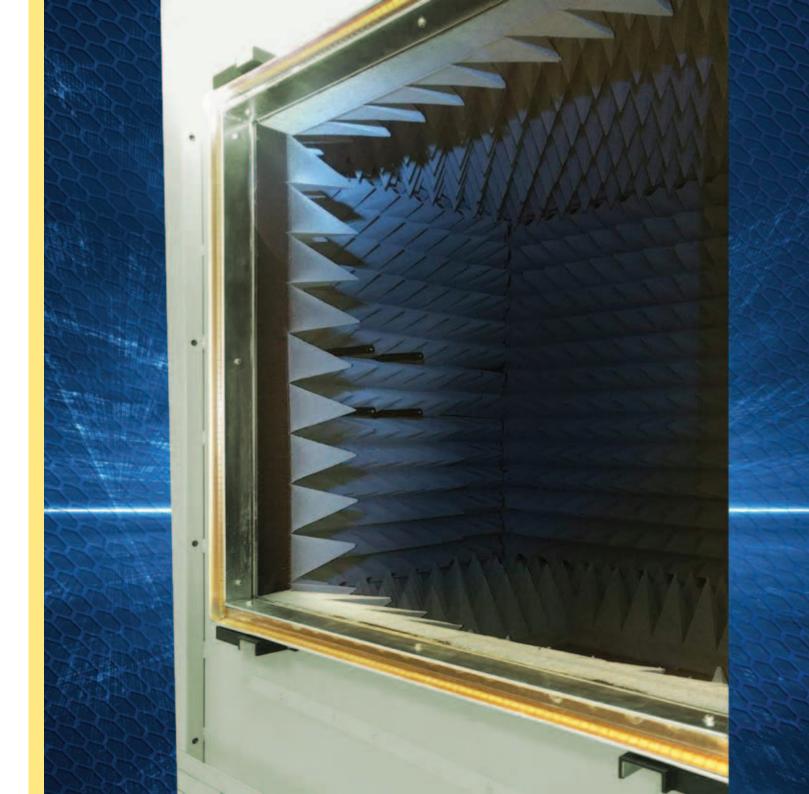
Electromagnetic absorbers are specifically chosen or designed materials that can absorb reflection or transmission of electromagnetic waves.

The absorber are implement in our cages for several type of applications.

Generally, there are two types of absorbers: attenuation type and reflection (anechoic) type.
The attenuation type add isolation to the cages while the reflection one absorb the waves and reduce dramatically the waves power.

A combination of the two type is possible.

Our company will advise for the correct material to use.



ATTENUATION ABSORBER

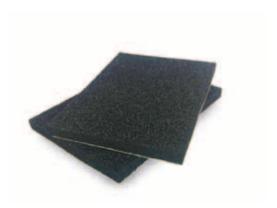
- Aimed for increase the attenuation level of the RF cages.
- The correct type is fit according the required performances for the request frequency range.
- The main properties that define the foam are the sheet thickens, frequency range and attenuation level.

ANECHOIC (REFLECTION) ABSORBER

- Aimed for absorb the return waves from the cage walls and other devices inside the cage .
- The absorber have generally a paramedical shape.
- The correct type is fit according the required performances for the request frequency range.
- The main properties that define the foam are the cones high, cones number per sheet, frequency range and return loss level.

SEMI ANECHOIC (REFLECTION) ABSORBER

- Aimed for absorb the return waves from the cage walls and other devices inside the cage .
- The absorber have generally a thick flat shape .
- It is compromise for medium performances that save space in the cages
- The correct type is fit according the required performances for the request frequency range.
- The main properties that define the foam are the sheet thickens, frequency range and return loss level.







Dear customer,

We trust that you will find our product catalogue helpful and hope that it meets all your needs.

We are pleased to be able to offer you our RF shielding products.

All our products are made to the highest standards, and meet all international requirements.

Please feel free to contact us any time should you require any further assistance.

Yours sincerely,

Shai Bar-On IGOS-MN LTD



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