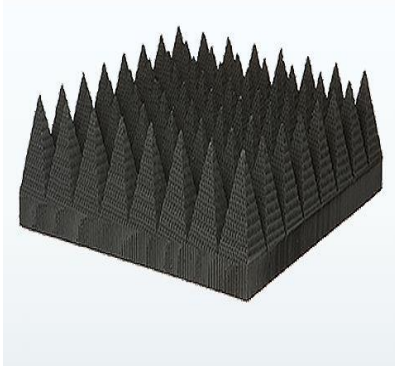


Honeycomb Based High Power Pyramidal Absorber (Microwave Absorbent Material – Pyramidal Type)



- ❖ These high power handling absorbers are designed for high energy areas of chambers and equipment.
- ❖ The hollow, pyramidal honeycomb structure allows for quick heat dissipation.
- ❖ Increased power handling is achievable with forced air Cooling, Chambers can be partially or fully lined depending on needs.
- ❖ The properties and capabilities of this absorber necessitates their installation on mechanical rail and hook support systems.
- ❖ This type of installation durably secures the absorbers in high temperatures and allows for easy air circulation.

FEATURES:

- ❖ Honeycomb material allowing free circulation of air.
- ❖ High heat dissipation through natural convection or forced air ventilation.
- ❖ Handles 15 kW/m²; higher power handling capabilities with forced air.
- ❖ Withstands temperatures up to +200° C
- ❖ High fire retardancy.
- ❖ Humidity Range: 30% to 70%
- ❖ Frequency Range: 120 MHz up to 40 GHz

PRODUCT CONFIGURATION:

- ❖ Shape: Pyramidal
- ❖ Standard Base Size: 600 mm x 600 mm
- ❖ Height: 4 Inch, 8 Inch, 12 Inch, 18 Inch (Larger thickness available upon request)

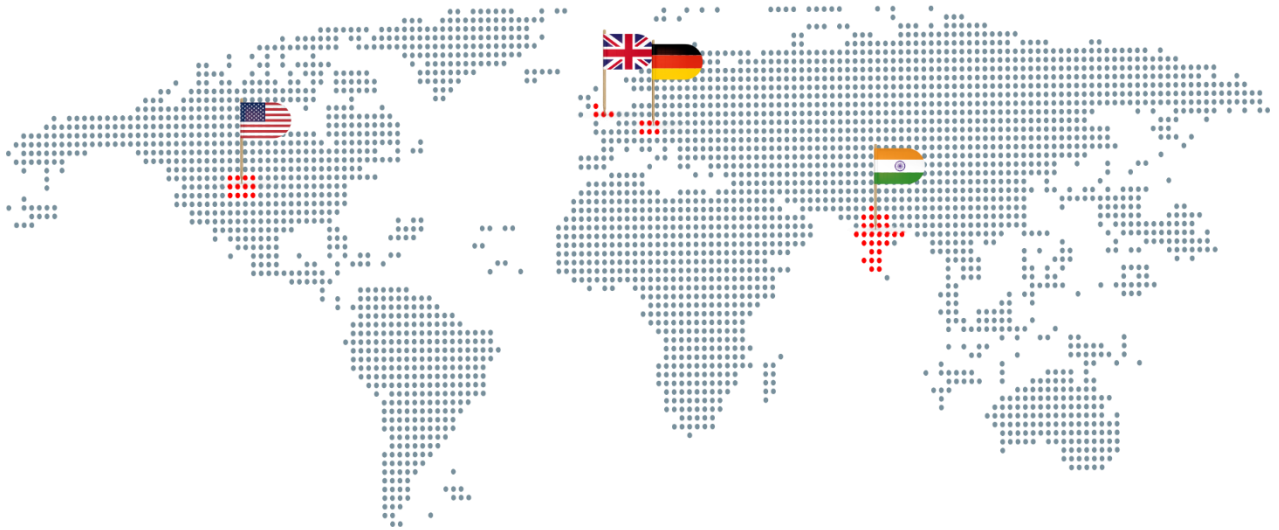
TYPICAL PERFORMANCE OF HIGH POWER PYRAMIDAL ABSORBER:

Absorber Type	Thickness (Inch)	Reflectivity(dB) for near normal incidence relative to metal surface of same size at different frequency (GHz). (Typical)							
		0.24	0.5	1	3	6	10	18	40
PY-HC-4	4			-15	-25	-30	-35	-40	-30
PY-HC-8	8			-25	-30	-35	-40	-40	-30
PY-HC-12	12		-22	-30	-35	-40	-40	-40	-35
PY-HC-18	18	-20	-25	-32	-37	-40	-40	-40	-35

AREAS OF APPLICATION

- ❖ High energy areas of chambers and equipment.
- ❖ Radar or communications antennas.

GLOBAL PRESENCE



LASER CUTTING RF & Microwave
MARKING Medical Devices
WELDING Hi-Tech Software
 Diamond Processing
 Renewable Energy
 Cleaning
 Scribing / Dicing
 Automations

DEFENCE & AEROSPACE
MICRO MACHINING

SLTL'S STRENGTH

<p>Experience</p> <p>34+ Years</p>	<p>Mfg. Plants</p> <p>6 Laying Over</p> <p>54000 Sq. mtr.</p>	<p>10%</p> <p>Yearly R&D</p>	<p>Exports</p> <p>40+</p> <p>Countries</p>
<p>15000+</p> <p>Systems</p>	<p>ISO</p> <p>9001-2015</p>	<p>26+</p> <p>Patents</p>	<p>29+</p> <p>Awards</p>

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