shieldex

Ag Cu Ni Sn

Shieldex®
Inflatable RF Shielding Enclosures

Quick Setup and Easy Transportation

The revolutionary Shieldex® EMC shielding enclosures with Inflatable Frame offer a groundbreaking solution for quick setup and easy transport, ideal for aerospace, defense, and security industries. Thanks to the innovative inflatable frame, the enclosures can be set up in just 60 seconds depending on size, making them not only four times lighter than traditional enclosures with aluminum frames but also significantly more efficient. This flexibility and efficiency make the tents an optimal choice for EMC applications and securing large test products like vehicles and aircraft.

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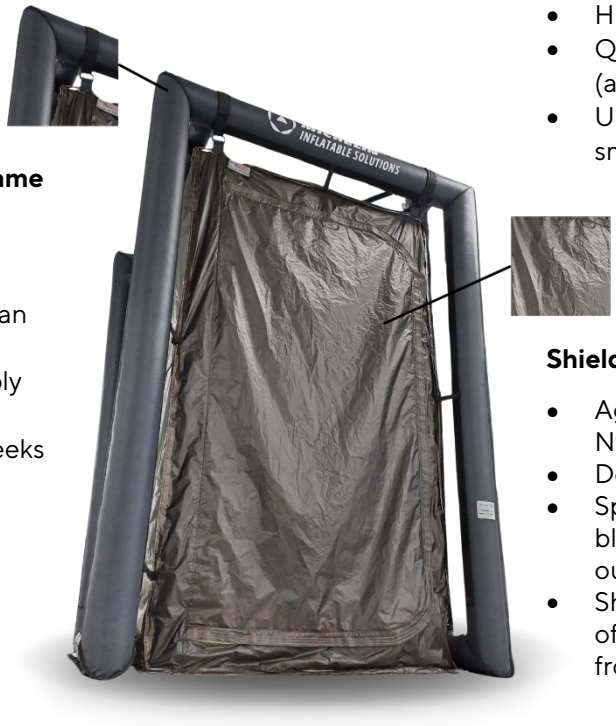
General Information

The latest innovation in frame systems is offered by the inflatable frame. This frame represents a groundbreaking development that enables quick and easy installation while being four times lighter than traditional aluminum frames.
Compared to other inflatable frames on the market, these frames are equipped with certified flame-retardant gear and are four times lighter than PVC products. Moreover, no constant air supply is needed, and they remain stable for weeks after inflation.

Ultra-light inflatable frame

- Inflatable frame
- Certified flame-retardant finish
- Four times lighter than PVC products
- No constant air supply required
- Remain stable for weeks after inflation



Shieldex® EMC Enclosure with inflatable frame

- High Performance
- Quick to install (approx. 1 minute)
- Ultra-light (only 10 kg for smaller enclosures)

Shieldex shielding textiles

- Ag/Cu/Ni/Sn plated Nylon fabrics
- Double or triple layer
- Special characteristic: black, non-oxidizing outer wall
- Shielding effectiveness of average up to 85 dB from 0.03 - 18 GHz

Applications

- Valuable for aerospace, defense, and security industries
- Ideal for testing and securing large products like vehicles and aircraft
- Flexible for a wide range of EMC applications

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Additional Features EMC Enclosures	Our range of additional features for all our Shieldex® EMC Enclosures includes a variety of options. **Floor** Textile floor (Tarpaulin) Aluminum panel **Opening mechanism** Textile door Lift wall **And many more** Power Filter Box I/O Panel with connectors Ventilation system Lighting Endoscopes Absorber trolleys Outdoor covers for outdoor applications Acoustic enclosures Internal partitions ESD inner curtains Storage boxes Components for ante chambers
Advantages	• Warranty • Made in Germany • Cost effective • Portable and space saving • Flexible and light laboratories • Hand- and custom- made • In-house studio
Services (optional)	• Installation service (setup & dismantling) • Retrofit service • Repair service • Rental service

Did we spark your interest ?

More information can be found on our detailed data sheets.
Please do not hesitate to contact us at any time.

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