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Aluminium RF shielded enclosures
Specially for magnetic resonance imaging with open MRI systems

AluSHIELD





Aluminium RF shielded enclosures for magnetic resonance imaging with open MRI systems

HAMACO-Aluminium RF shielded enclosures were specially designed and developed for magnetic resonance imaging with open magnets, and are offered in two equipment options: Alu-Line and High-Alu-Line with extensive accessories.

The specially designed surface finishing of the modular structured aluminium RF shielded enclosure guarantees a long term high shielding attenuation. Both lines of the aluminium RF shielded enclosures are characterized by very high interference suppression of the mains power supply disturbances. The sources of such disturbances are mainly transformers, electric motors, converters, and power cables.

This RF shielded enclosure concept also allows you to supplement your equipment with opening day-light windows or coil and filter cabinets. Our extensive equipment programme offers you an individual and versatile selection.

Pre-fabrication, assembly, construction

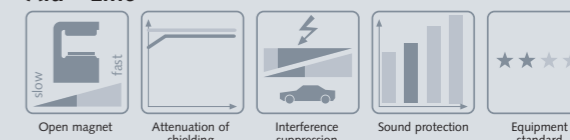
All components of the modular shielding cabins are fully pre-fabricated. The delivery and assembly of the components is quick and basically clean. In only five days the cabin with full interior including magnet transfer and all necessary system components is handed over ready to use.

Equipment and accessories

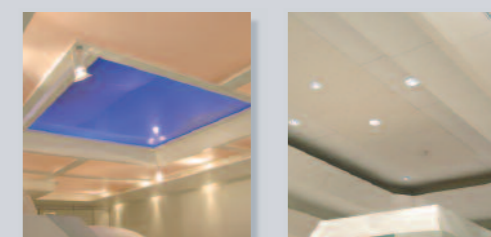
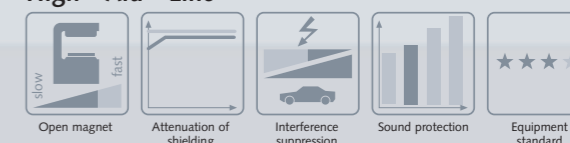
Among other things, the standard equipment includes a smooth-running access door, an interference-free viewing window, and all necessary system components. Please see the brochure Equipment and Accessories for further information. We gladly advise you about the individual equipment possibilities of your RF shielded enclosure.

Equipment series

Alu - Line



High - Alu - Line



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Short description

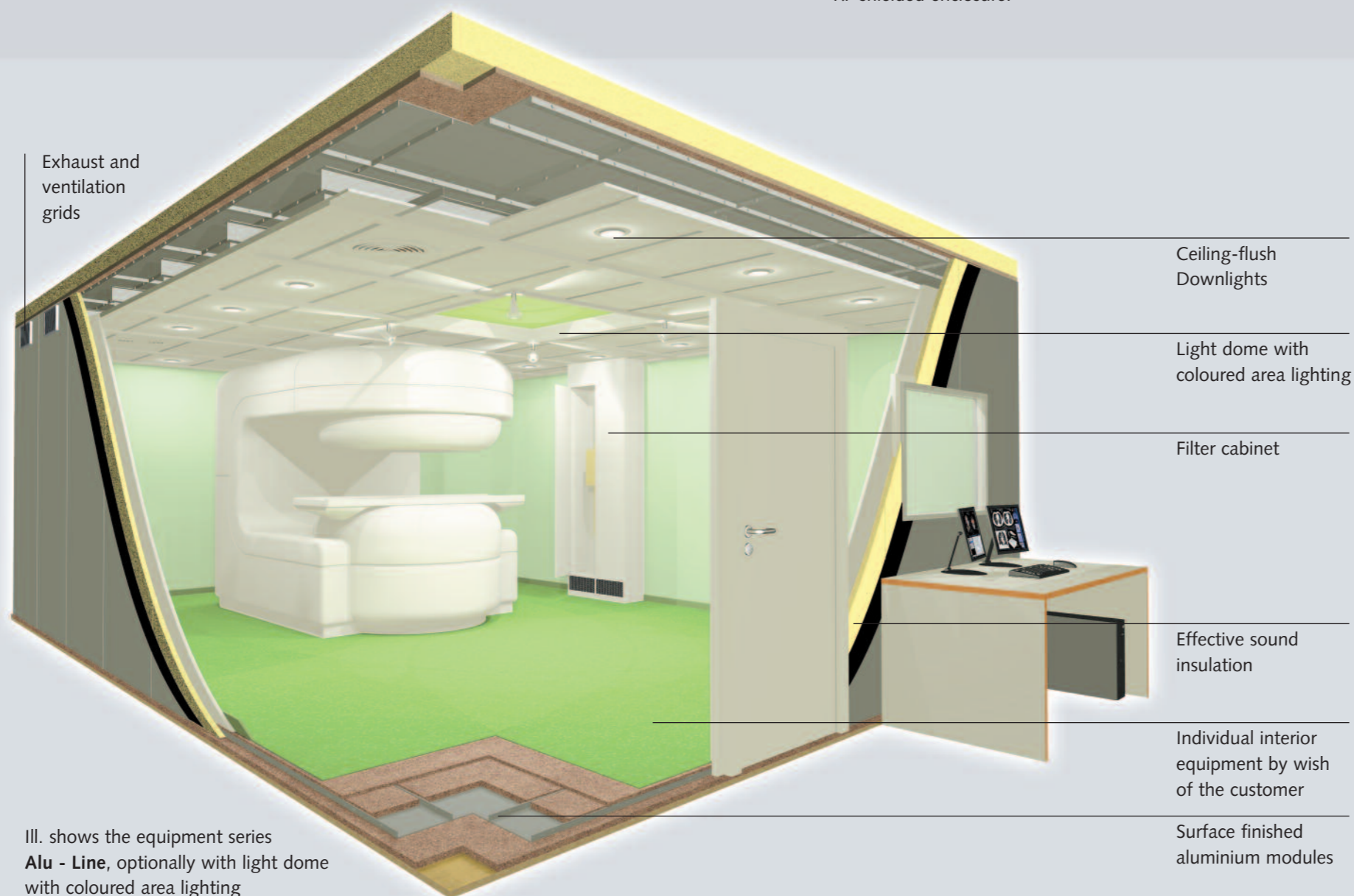
- For open MRI systems
- High suppression of interference
- Reliable attenuation of shielding
- Two equipment series
- Individual equipment possible

Technology

- Unsupported and modular construction
- Integrated outer wall panelling
- Full interior
- Interference-free viewing window

HAMACO-Service

- Individual consulting and planning
- Pre-fabricated ex factory
- Short assembly times including magnet transfer „just-in-time“
- Basically clean assembly
- Ready to use handover
- Immediate operation possible



III. shows the equipment series **Alu - Line**, optionally with light dome with coloured area lighting

Ceiling-flush Downlights

Light dome with coloured area lighting

Filter cabinet

Effective sound insulation

Individual interior equipment by wish of the customer

Surface finished aluminium modules

Floor, wall and ceiling construction

Cross-sectional view shows construction of the **High - Alu - Line**

