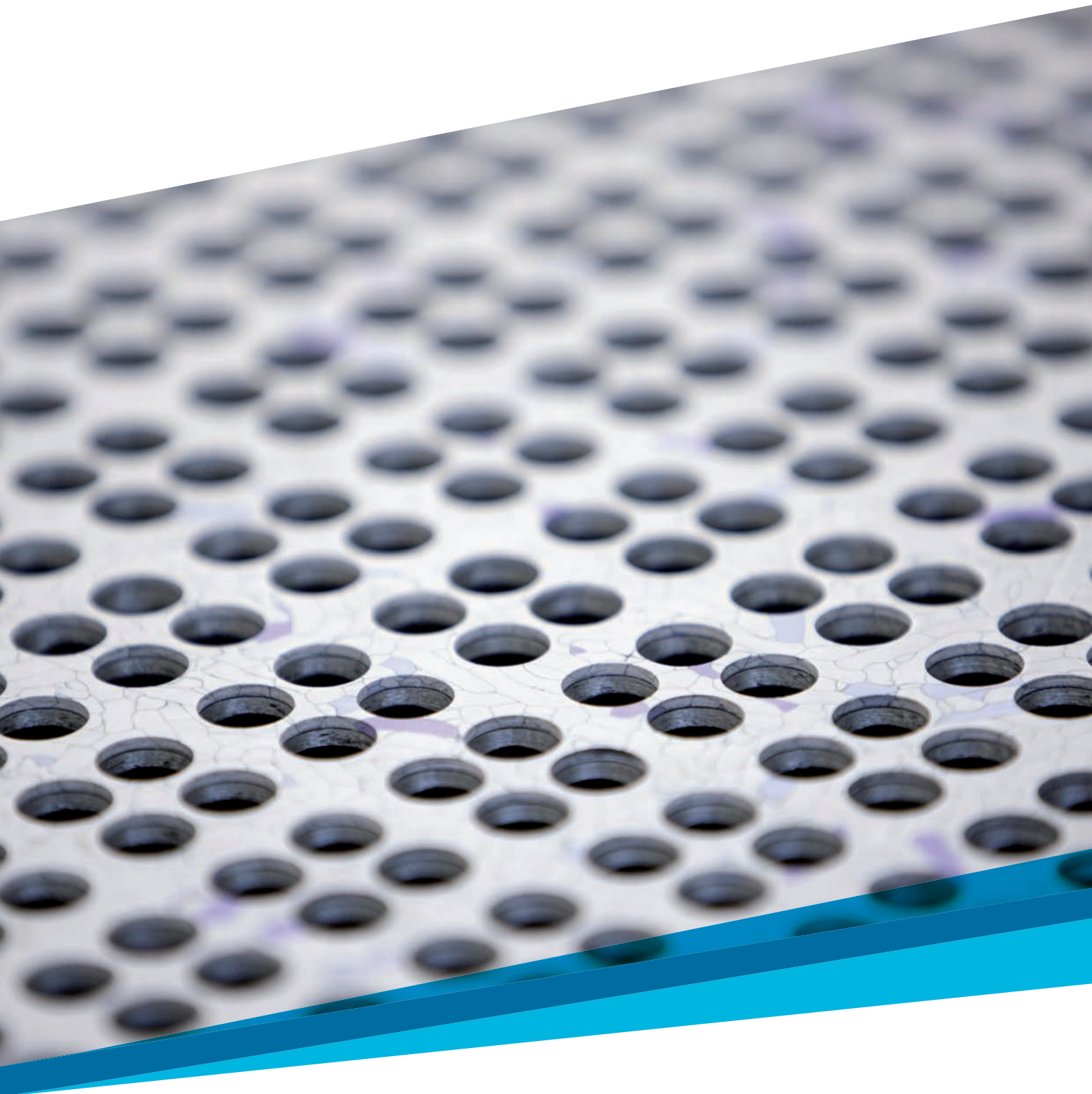




Raised Floor Systems Cleanroom Products

Exyte Technology



Strength and durability ...

Exyte Group at a Glance

With a history of more than 100 years Exyte Group is a global leader in engineering and project management specialized in the delivery of high-technology facilities. Our expertise in controlled and regulated environments is key throughout the facilities, plants, and factories we create.

We serve high-tech industries, including semiconductor, life sciences, and data center – having an outstanding reputation with the world's most technically demanding clients.

The Exyte Group manages projects of all dimensions and offers a full range of services from design to managing turnkey solutions. With our offices worldwide we meet the demands of our clients globally. In 2017, the core of Exyte Group generated sales of 2.5 billion euros with 5,000 highly experienced and motivated employees.

Exyte Technology

Exyte Technology is one of the world's global leading companies for cleanroom technology systems with extensive experiences in highprecision climate-control systems and contamination control in all industries with ultraclean production requirements.

We offer substantial experience in the semiconductor, photovoltaic, flat-panel, life science, automotive, IT, and food industries. Exyte Technology assists customers in every pro-cess phase: from consulting, engineering, manufacturing and commissioning to after sales services.

As a member of the Exyte Group, our worldwide sales and service network is a great advantage to our customers and enables us to support them in every stage of their critical production processes.

... to meet individual customer needs

Raised Floor Systems

Exyte Technology offers Raised Floor Systems which fulfill the high requirements of state-of-the-art cleanrooms with regard to contamination control and tool loads.

The manufacturing of semiconductors and flat panels requires a floor system as an essential part of the airflow concept as well as a reliable base for high static and dynamic tool loads. The aluminum raised floor systems distributed by us combine the advantages of the material aluminum with outstanding manufacturing quality and high productline diversity that meets all the requirements of our customers.

For your cleanroom projects, we can provide not only the right products but also consulting and engineering assistance for installation, tool move-in, hook-up and earthquake requirements of the floor system. We can offer a solution for the whole raised floor package, delivered from one source to avoid typical interface problems.

Floor Finishes

We advise and offer a wide range of floor finishes systems whereby with all we are equally focused on both the process and project needs and on our clients requirements.

Coating for aluminium raised floor system finishes

The possibilities of coating include:

- PVC or Caoutchouc
- Single and double component epoxy coating
- Conductive or non-conductive

Coating for GMP suitable floor

- PVC or Caoutchouc
- Ceramic or stone ware
- Single and double component epoxy coating
- Pharma Terrazzo
- Conductive or non-conductive

Consulting

Product
Solutions

Automation
Solutions

Process
Systems

Compliance
& Validation

Facilities
Management

Substructure – Pedestal Systems

Pedestal Systems

- Compatible with solid, perforated and grating floors
- Pedestals available for all seismic environments
- Head assembly finishes: bare aluminum or e-coat
- Tube finishes: bare aluminum, e-coat or epoxy powder coat
- Base finishes: bare aluminum, e-coat or epoxy powder coat
- Axial load performance of pedestal assembly is 5,000 – 11,000 kg
- Available in a module size of 600 mm
- Finished floor heights from 160 – 1,800 mm

Aluminum Pedestal

The aluminum pedestal is used in applications where a non-ferrous material is required. The pedestal assemblies are compatible with all of our flooring products including solid, perforated and grating panels. The type of pedestal is chosen based on seismic zone, finished floor height and floor loading conditions.

The aluminum and aluminum / steel pedestals can be mixed in the same flooring without affecting the panels.

Aluminum / Steel Pedestal

For other applications where an all aluminum pedestal is not needed, projects with a tight budget or sensitive cleanroom projects, a mixed aluminium / steel solution can be used. It consists of an aluminum head with steel stud and steel tube that works with a steel base plate assembly designed for highly seismic locations, high floor heights and heavy loading.

The aluminum and aluminum / steel pedestals can be mixed in the same flooring without affecting the panels.

Advantages

- Non-ferrous material
- Can be easily cut onsite

Advantages

- For high area loads
- For extreme seismic requirements
- For high floor heights

Substructure – Stringers and Bracings

Aluminum (Steel) Stringers

Our aluminum stringers are made with extruded aluminum (steel stringers are galvanized steel profile) and designed to fit 600 mm systems. The stringers are used to provide lateral support only and are not intended to improve the vertical load carrying capacity of the panels.

The stringers do not establish the system spacing as the holes in the stringer tops are slightly slotted, allowing the stringers to conform to the size of the panels.

When used in cleanrooms, the stringers can feature an e-coat, epoxy powder coat or bare finish (steel stringers excluded). Both conductive and non-conductive coatings are available.

Bracing System

Additional strengthening of the substructure, particularly along the perimeter lines, in the form of additional bars or threaded rods which are clamped onto the base at an angle and mechanically fastened to the slab by anchor bolts to inhibit movement when the floor has to cope with high horizontal loads.

Reinforcement for Seismic Bracing

This bracing of the floor system is installed for heavily loaded areas such as tool move-in paths, heavy machine areas and seismic activity regions.

Advantages

- Designed to withstand heavy loads
- Applicable to existing raised floor systems
- Convenient installation
- Economical price and convenient replacement and maintenance
- Handy installation at points of the system

- Available for 600 mm systems
- Designed for seismic environments

Heavy duty pedestal head



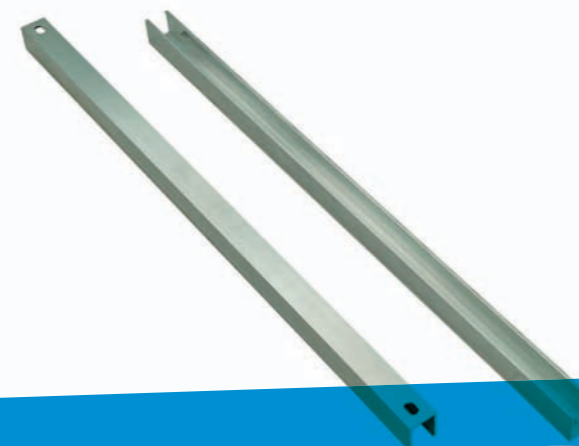
Aluminum pedestal



Steel pedestal



Aluminum Stringer



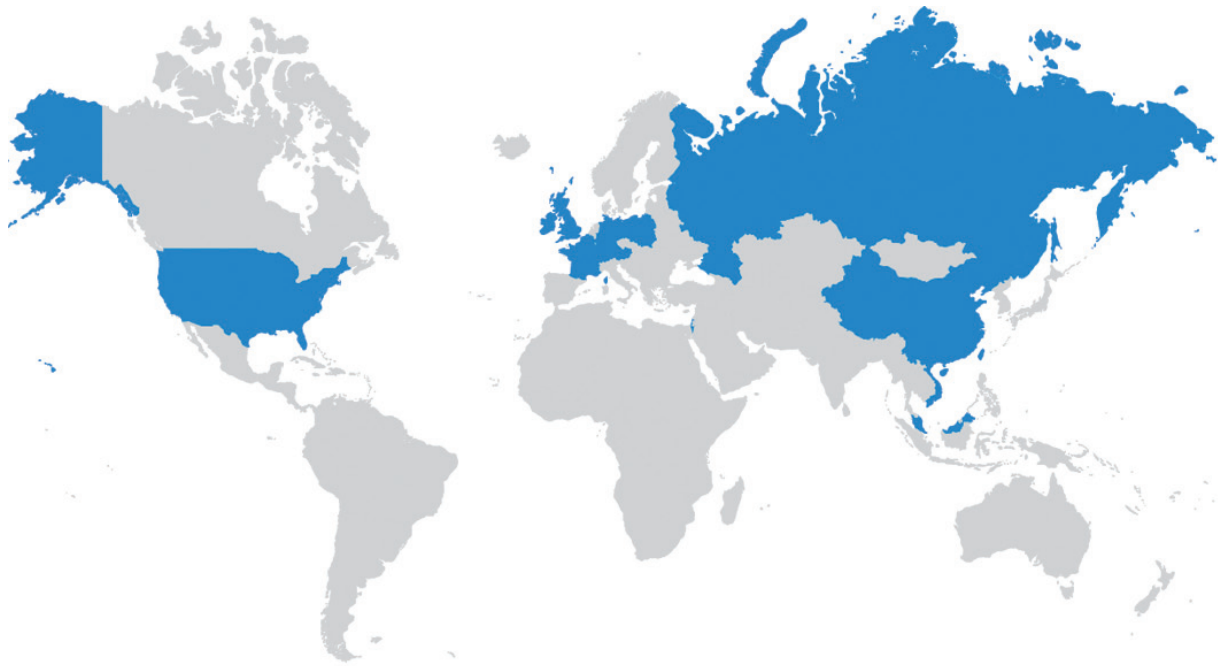
Steel pedestal with bracing detail



Aluminum pedestal with bracing detail



Local Support Wherever You Need Us



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