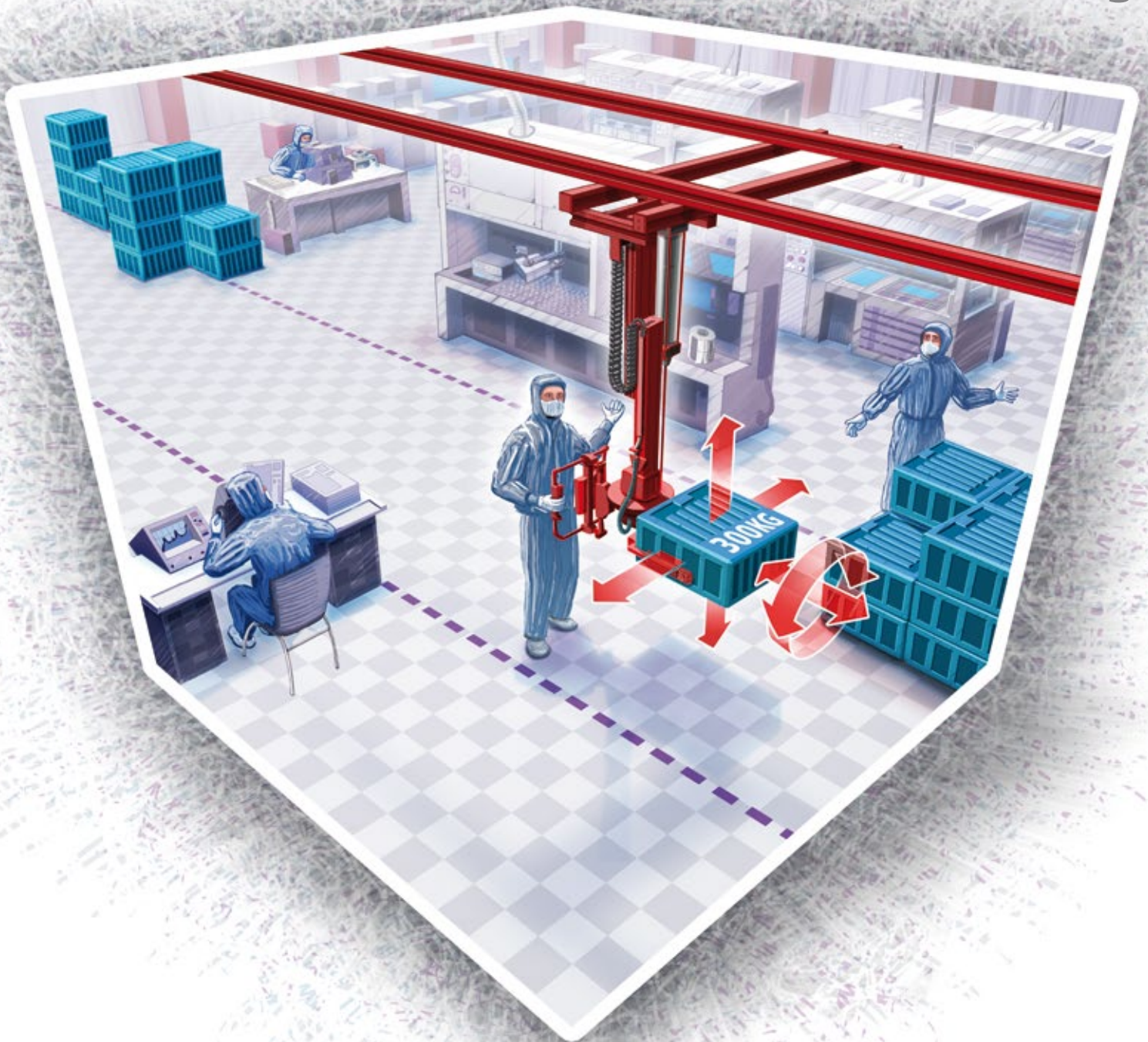


HANDLING IN CLEAN ROOMS

ZASCHE
handling



**How can I move » manually guided
» heavy loads
» over large distances
» in clean rooms?**

**There is an answer now: » Handling equipment from ZASCHE.
Do not hesitate to contact us, if you are looking for a solution
to handle your loads in clean rooms.**



SILICON



AEROSPACE



PHARMACY



CHEMICALS



MEDICAL ENGINEERING

Handling in clean rooms

Until now, workers either had to carry the loads by hand or robots had to move loads in clean rooms. The disadvantages of robots, however, were and still are that:

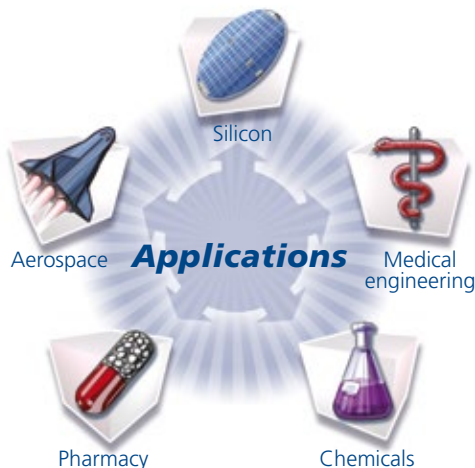
- their installation and operation is more expensive
- only relatively short distances can be covered
- only small loads can be moved
- they are not very flexible

Customers from various industries have frequently presented this problem to us.

We have taken this as an opportunity to analyse the topic in detail.

With a **strategic new development** ZASCHEsitec has now overcome precisely these problems.

In cooperation with the **Fraunhofer Institute for Manufacturing Engineering and Automation**, a sophisticated system has been created which allows special handling equipment to be used in clean rooms.



Benefits of this new system:

In future, you can move and manipulate loads freely by hand. This means you have a direct feel for the load. You can balance and position your valuable loads carefully and safely in the clean room

It is no longer necessary to resort to lighter packs or loads in clean rooms or to reduce them in size beforehand

You make a major contribution to ergonomic design of the workplace and to maintaining the health of your employees as they are relieved of lifting the load

In future, you can move your loads safely in the expensive clean room since a machine supports the worker and loads cannot be dropped, tipped or fall

**Interested? Then do not hesitate to contact us.
We will be pleased to advise you.**



Basic technical specifications

- » Loads up to 300 kg (also higher on request)
- » Travel distances:
 - in the longitudinal direction (X) up to 12 metres,
 - in the transverse direction (Y) up to 5 metres
- » Achievable clean room classifications e.g.:
 - Class 100 (to US FED STD 209E)
 - ISO 3 (to ISO 14644-1)

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