



Clean Room Design d.o.o.

www.crd.com.hr



**Cleanroom
Panel
Systems**

**Laminar
flow
units**

**Stainless
steel
furniture**

Installation

CLEAN ROOM DESIGN d.o.o.

The #1 cleanroom solutions for

Pharma

Biotechnology

Laboratories

Healthcare

Microelectronics

Food industry



„The most important
thing in communication
is hearing what
isn't said“

Peter Drucker

Clean Room Design d.o.o. develops, manufactures and provides installation services in the fields of cleanrooms and cleanroom equipment for clean and sterile environment.

We are a Croatian manufacturing company with headquarters in Zagreb.

Our production range contains:

- Panel system consist of antibacterial wall and ceiling panels, glass walls, windows, doors, connection and installation elements
- Laminar and microbiological safety units
- Weighing booths
- Pass through box
- Air and mist showers
- Stainless steel furniture - cabinets, tables, sinks, surgical scrub sinks, drawers, shelves, trolleys, benches and stainless-steel furniture

WHY US?

At the beginning of 2022 we establish Clean Room Design d.o.o. company after our 20 years of experience in working in cleanrooms on projects of leading national and international pharmaceutical companies such as Teva, Belupo, JGL, BBraun, Novartis, CEVA, Bionorica, Takeda, Pfizer, Apipharma, Yasenka, Dechra and many others.

**WE WORK HARD SO YOUR
CLEANROOMS CAN WORK SMART**

“Know-How” bearers are our experts with many years of experience in the field of cleanrooms, which also include positive qualities such as professional competence, quality orientation, creativity, flexibility, trust and sense of responsibility.

CLEANROOM PANEL SYSTEM

WALL PANELS



Panels standard dimension:



100, 300, 600, 900, 1200 mm

Panel thickness: 62 mm

Panel height: up to 3000 mm in one piece

Material:



Aluminum - 1.0 mm

Galvanized steel - 0.8 mm

Stainless steel - 0.8 mm

Panel Finish:



PVC Finish

PET Finish

Powder coated

Coating thickness min 100 µm

Core:



Rock mineral wool

Aluminum Honeycomb

CONNECTING AND ASSEMBLY ELEMENTS:

Aluminum floor profiles:

BEFORE installing the CR floor

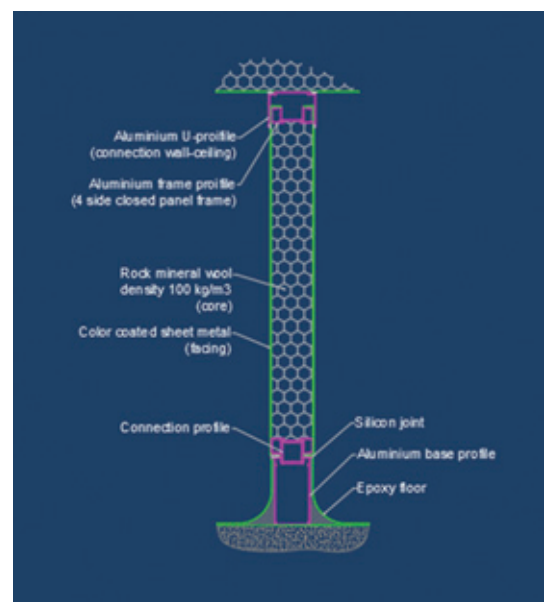
- for PVC floor
- for EPOXY floor

AFTER installing the CR floor

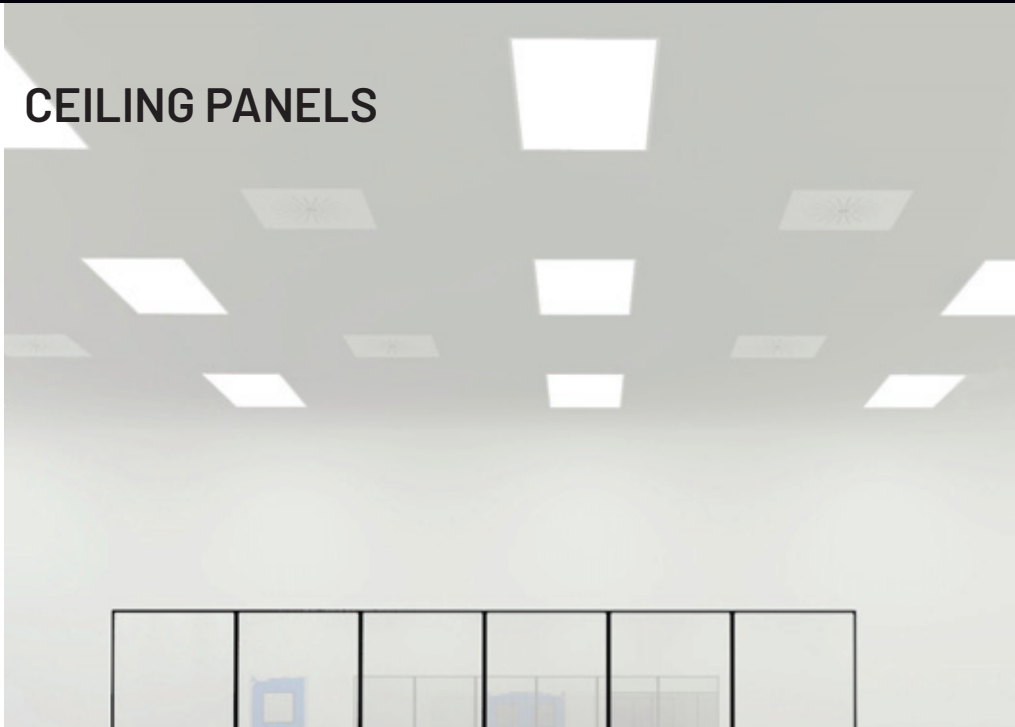
Installation profiles:

Aluminum / galvanized connection profile
(Square tubes to connect two panels)

Final corner profile (joining two panels at right angles)



CEILING PANELS



Ceiling panels
standard dimension:
1200 x 1400 mm
Panel thickness:
62 mm (walkable)
Suspension elements:
ceiling suspension,
hook, threaded rod
and strainer

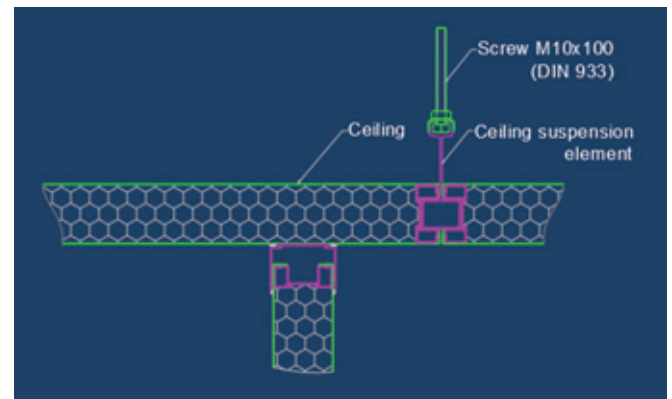
CONNECTING AND ASSEMBLY ELEMENTS:

Cove profiles:

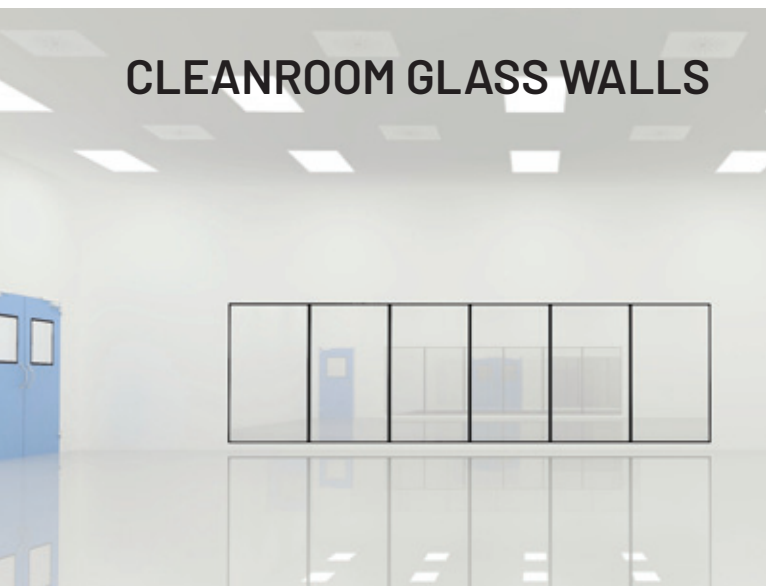
PVC / ALU COVE
Connection wall- wall
Connection wall- ceiling
Quick click setup

Aluminum U-profile:

Connecting wall and
ceiling panels



CLEANROOM GLASS WALLS



Standard height: 3000 mm
Thickness: 62 mm
Aluminum frame
Laminated glass 10 mm thick

CLEANROOM WINDOWS



Standard width: 600/900/1200 mm
Standard height: 900/1200 mm
Thickness: 62 mm
Double safety glass 6 mm thick

CLEANROOM DOORS

CLEANROOM SWING DOORS



Door type:

One leaf swing – 62 mm
Two leaf swing – 62 mm
Automatic and manual

Door leaf material:

Aluminum
Galvanized steel
Stainless steel

Door frame material:

Aluminum

Door filling:

Rock mineral wool
Aluminum Honeycomb

Accessories Basic set:

Door handles and hinges – stainless steel
Magnet built into the door leaf
Drop seal

Accessories optional:

Door lock with keys
Door hydraulic pump (closer)
Door leaf protection (push & kick plate)
INTERLOCK system
Access control (card or code)
Window dimension: 400 x 700 mm,
700 x 700 mm, 300 x 1300 mm

CLEANROOM SLIDING DOORS



Door type:

One leaf sliding – 62 mm
Two leaf sliding – 62 mm
Automatic and manual

Door leaf material:

Aluminum
Galvanized steel
Stainless steel

Door frame material:

Aluminum

Door filling:

Rock mineral wool
Aluminum Honeycomb

Accessories Basic set :

Embedded handle– stainless steel
Fitting seal at contact of the sash with
the door jamb and floor
Stainless steel wing guide cover

Accessories optional:

D handle
Door leaf protection (push & kick plate)
INTERLOCK system
Automatic drive and control
Semi-glazed wing
Full glazed wing

LAMINAR FLOW UNITS

LAMINAR FLOW CABINETS

Clean Room Design Laminar flow cabinets are designed to protect sample and work space from contamination particles and micro-organisms

Horizontal LAF units • Vertical LAF units

MICROBIOLOGICAL SAFETY CABINET



Clean Room Design Microbiological safety cabinet is designed to have negative pressure in the working area which protects operator from contamination and HEPA filtrated air in cabinet protects work object and environment.

The air flow system works so that 70% is recirculation of contaminated air and 30% is exhaust air. It protects the work object, the user and the workplace. Biosafety level 1, 2 or 3

LAMINAR FLOW BOOTHS

Clean Room Design Laminar flow booths provide product protection for work areas of various sizes, such as general process technology and sterile filling of pharmaceutical and food products.

Product protection is ensured by controlled airflow. A clean and laminar air flows vertically into the working area of the booth and is discharged near the floor.

LAMINAR FLOW WEIGHING BOOTHS

Clean Room Design Weighing booths are designed to provide product protection and personal protection during weighing or sampling of powdered raw materials and packing them into clean containers. These conditions are ensured by a controlled air circulation inside the unit. A clean and low-turbulence air flows vertically into the working area of the weighing booth and is discharged near the floor. Airborne substances are collected in a controlled manner. The integrated exhaust air system, which generates a slight negative pressure in the working area of the weighing booth, permanently protects the environment from contamination.



PASS THROUGH BOXES



Clean Room Design Static and Dynamic Pass through boxes are designed to prevent contamination when transferring certain material between two classified areas of different purity levels.

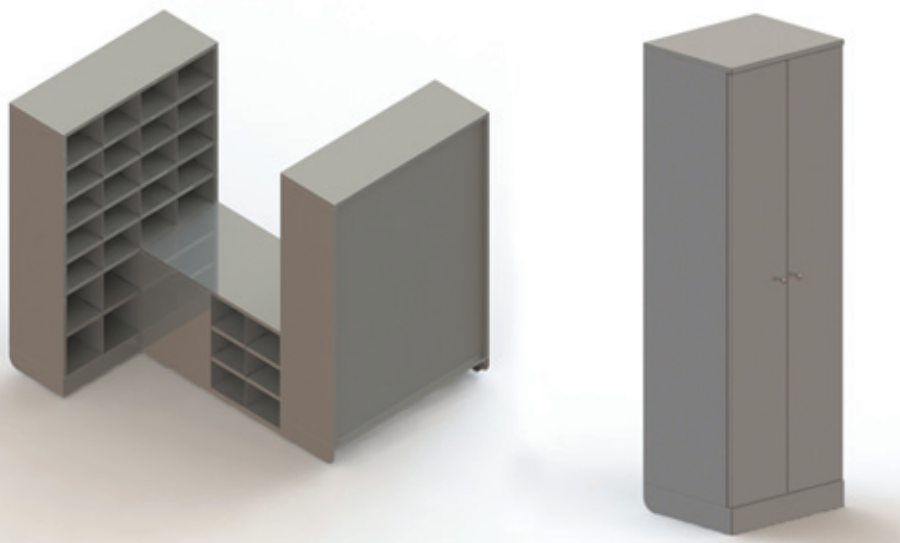
AIR AND MIST SHOWERS

Air showers are used to quickly and effectively remove surface particles from users and products before they enter the clean area.

Mist showers with a fog system prevent contamination of external spaces at the exit of personnel from the production area.



STAINLESS STEEL FURNITURE



Clean Room Design Stainless steel furniture is made of stainless steel without sharp edges and corners. It is easy to maintain and clean and fits into any sterile room.

In our wide product range, we offer tables, cabinets, drawers, shelves, sinks, surgical sinks, step over benches... and other equipment for laboratories and hospitals.

OPERATING ROOMS

Clean Room Design provides a complete modular system solution for operating rooms, intensive care units, dialysis units and central sterile service departments that require controlled bacterial contamination.

Operating rooms

- wall and ceiling panels
- doors and windows
- laminar flow ceiling
- surgical scrub sinks
- stainless steel furniture



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