

Cleanroom Process Training



Even the smallest particles can ruin a wafer

One human sheds millions of particles every day. Proper gowning isn't just a policy - it's a safeguard for product integrity and yield performance.



Audience: cleanrooms workers.

Delivery Mode: eLearning + hands-on certification with supervisor

Duration: ~1.5 hours total

Goal: Train employees in maintaining contamination control and adhering to cleanroom protocols.

Let's walk through the standard gowning procedure for an ISO Class 5 cleanroom:



Remove personal items

Remove watches, phones, jewelry, or makeup.

These items introduce unnecessary contaminants.



Wash and dry your hands thoroughly

Clean hands are essential to prevent the transfer of skin oils and particles to your gown or gloves. Always use the approved soap and dry with a lint-free towel before gowning.



Put on Shoe Covers

Shoe covers prevent dirt and particles from entering the cleanroom on the soles of your shoes. Always put them on before crossing the gowning bench to maintain the clean/dirty zone separation.



Wear a cleanroom suit

The cleanroom suit minimizes particle release from your body and clothing. Handle it carefully and avoid contact with the floor to maintain its cleanliness.



Wear your glasses

The glasses protect sensitive equipment from particles released by your eyes and face. They also shield your eyes from potential chemical exposure or airborne contaminants.



Wear gloves last

Tuck the gloves under your sleeves to create a tight seal.



What NOT to Do

Be careful not to bring in the following equipment or materials:

- Cardboard materials
- Wood materials
- Silicone materials
- Chipped utensils
- Fibrous fabrics
- Food and drink,
- Particles equipment
- Aerosols



Ready to Enter?

Always perform a mirror check or ask a colleague to verify your appearance.

Ensure the door behind you is closed before opening the next one. Step slowly to minimize particle disturbance. Once inside, move deliberately and avoid unnecessary motion.



Knowledge Check 01

Which of the following actions would compromise cleanroom integrity?

- Wearing gloves over the sleeves
- Touching the floor with the suit
- Wearing makeup.
- All of the above

Check your answer



Knowledge Check 02

Which of the following actions helps maintain cleanroom protocol and reduce contamination risk?

- Drying your hands with a cloth towel brought from home
- Wearing cleanroom glasses that fully cover your eyes
- Letting the cleanroom suit touch the bench while putting it on
- Putting gloves on before washing your hands

Check your answer



Knowledge Check 03

What should you do if you accidentally touch the floor with your cleanroom suit while gowning?

- Continue gowning as normal
- Use a tissue to wipe off the area
- Replace the suit with a new one
- Ask a colleague if it looks clean

Check your answer



Congratulations!

Training Complete: Cleanroom Process

Key Takeaways:

- Contamination control starts with **you**
- Follow every step of the gowning process - **no shortcuts**
- Always report any violations or uncertainties to your supervisor
- Protecting the cleanroom environment means protecting the **quality of our products**

Next Steps:

- 👉 If required, please proceed to the hands-on gowning assessment with your supervisor.
- 👉 For reference, you can download the [Cleanroom Gowning Checklist PDF].