

# Cleaning of the Clean Booth

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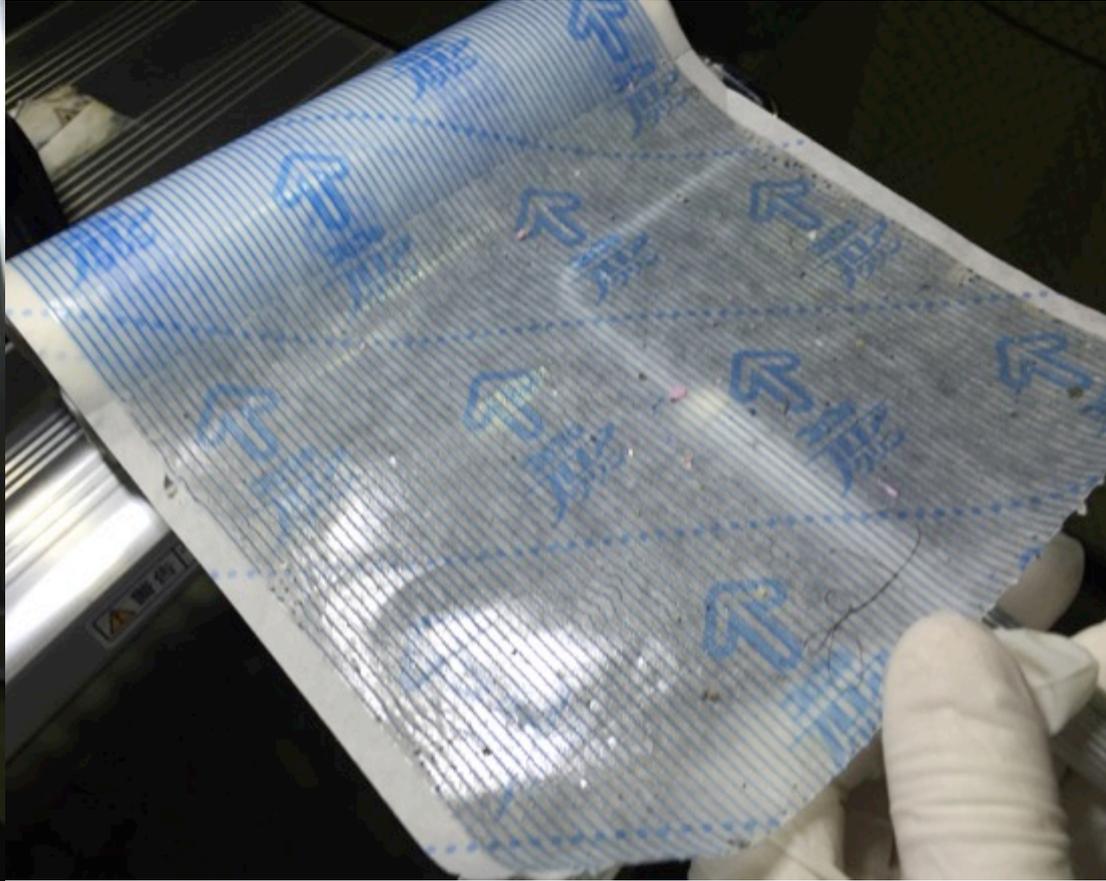
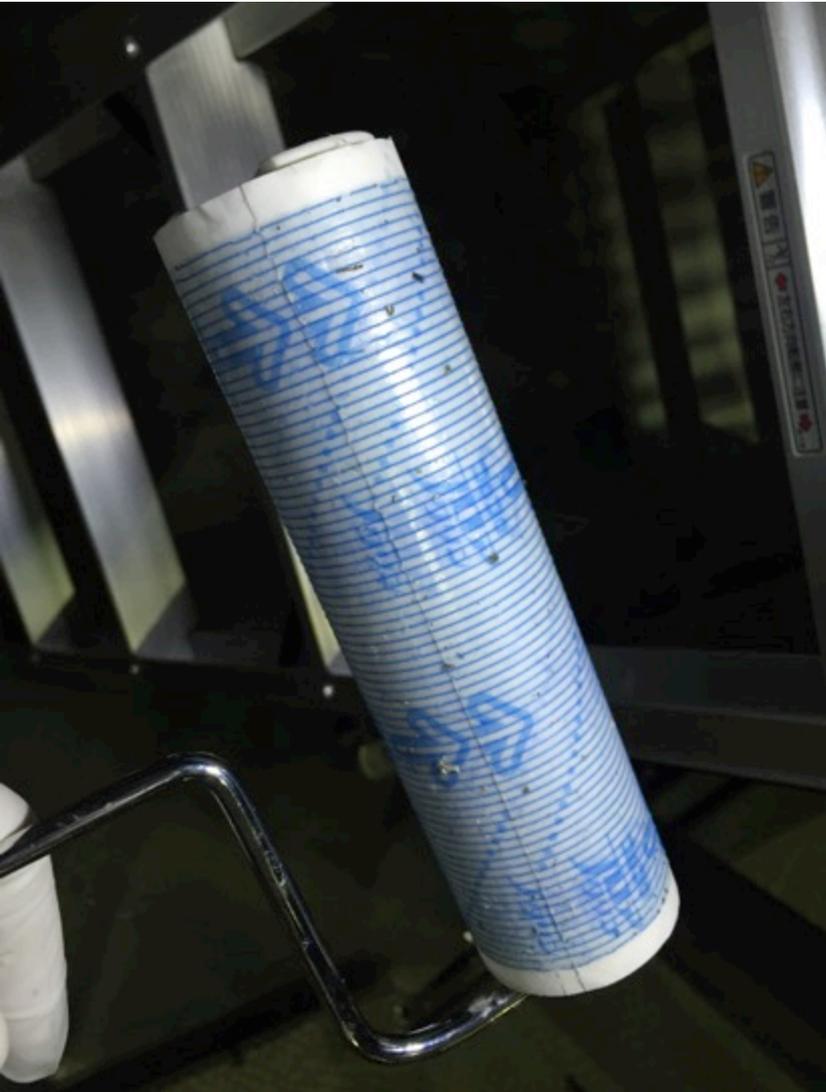
# About This Slide

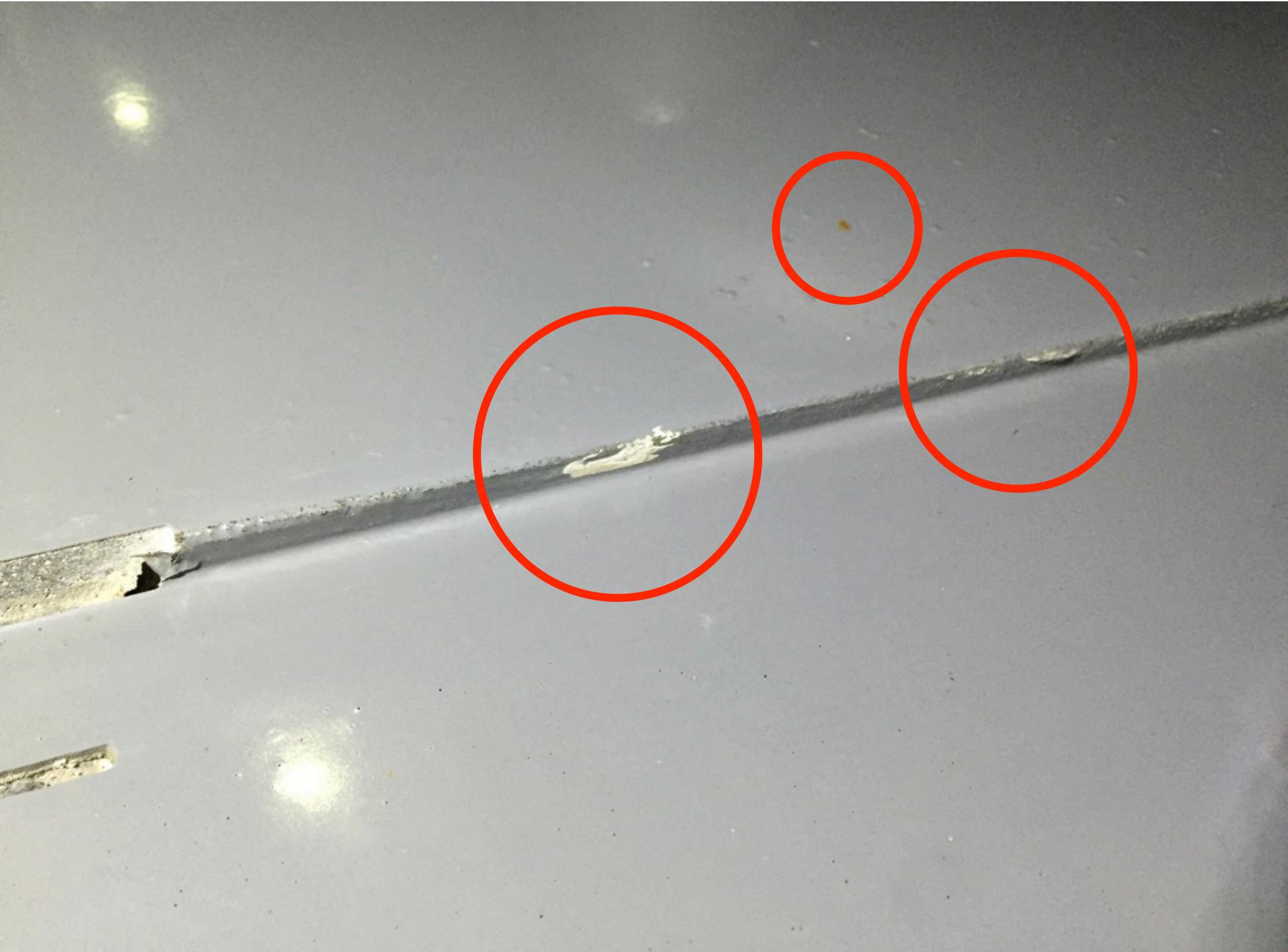
- Purpose is to decide to what level we require for the company cleaning work
- I report the result of company's cleaning work on last Monday and what we talked with the company person

# Current Status

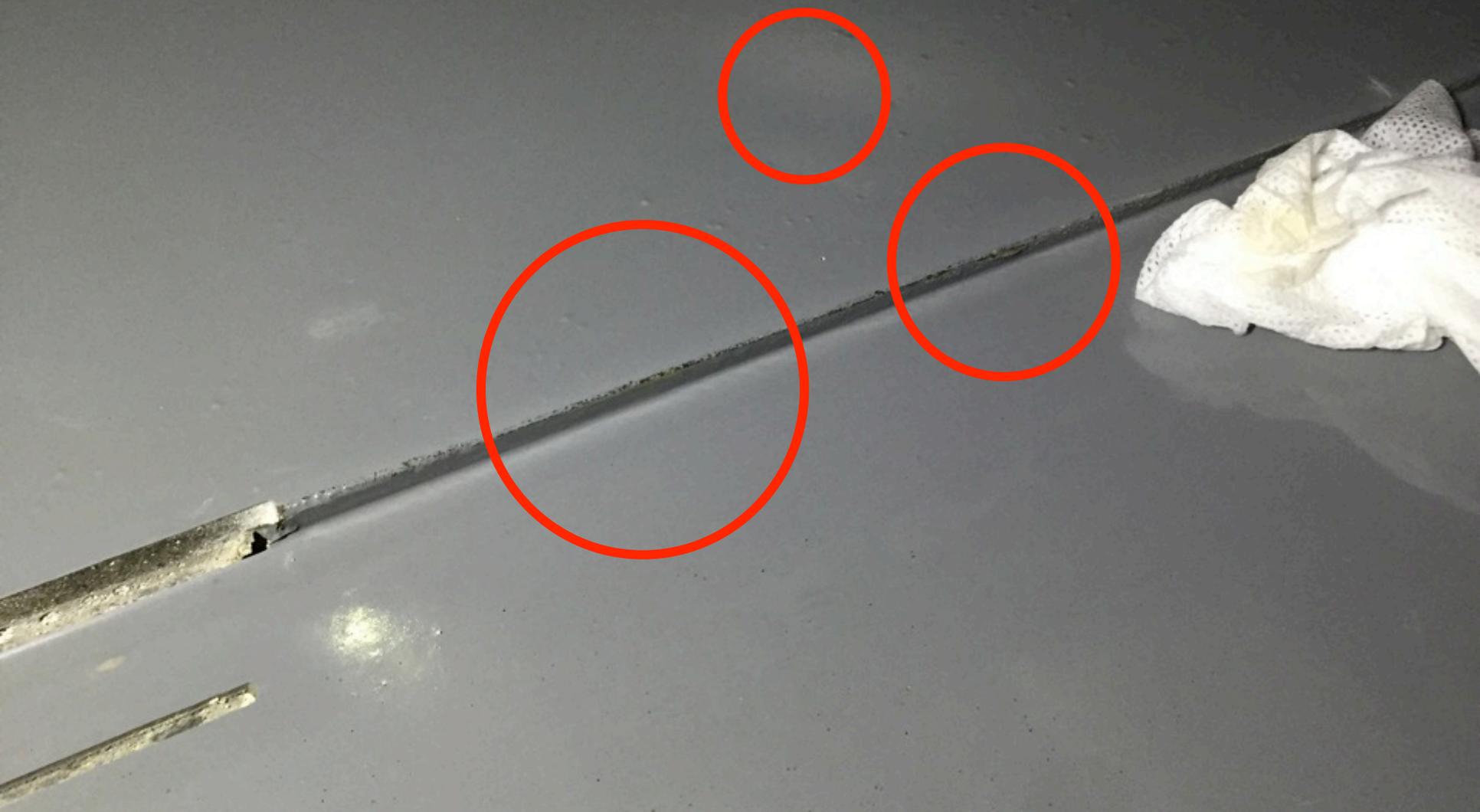
- The company (富士見産業) cleaned the MCF-PR3 area last Monday
- I cleaned the booth by myself and checked the quality of their work
  - It seems still dirty “for me”
- I had a talk with the company person and get some knowledge how to clean the clean room

# After Cleaning...





I Wipe and Then...





Dusty dust



They are  
removable

- I reported our concern to the company person
- But they did their work under their standard
- I heard their strategy of cleaning

# Company's Way of Thinking (1)

- They remove things with **raising dust**
- They may leave dirt without dust emission
  - hardened dust at the corner
  - Big dust like a broken piece of concrete
- They believe that wiping is the best way for finishing with pure water
  - Sticky roller is not the best, they generate dust (for example when we tear the used paper)
- They target the result quality as ISO class 1000

# Company's Way of Thinking (2)

- Cleanness of the clean booth is limited by the quality of its hardware
  - KAGRA's clean booth is terrible!
  - Initial cleaning (at the delivery) seems not to be completed in the beginning
- Floor around the clean booth is too dirty
- They don't have experience of cleaning with instruments installed already
- They want to reconcile the quality of working

# My Answer...?

- We should show the data from a particle counter
  - I said we verify the cleanness by a measurement
- I don't know to what level of cleanness we need for the clean environment
  - able to achieve ISO class 1 for the mirror surroundings?
- To what level we should ask the company to clean
  - There are many dirt we concern but they don't

# To Be Discussed

- What level of cleaning we require to the company?
- If we need more cleaning, when is the next cleaning taken place?