

Panel #3: The EUV Patterned Mask

Mask cleaning: in mask houses or in FAB floor?

If it is in mask houses, shipping has to be so perfect.

Exposure tool also has to be near perfect not to add particles by handling.

If it is in FAB floor, obviously easier for exposure tools.

Present know-how on cleaning is owned by mask houses. New business model may be required to introduce it to FAB floor.

Cost of EUVL may be increased (cleaning cost is only shared by total EUV tools in a FAB).

To establish cleaning technique, inspection tool may also be necessary in each site.

Present technology applies cleaning in mask houses.

If we would like to stay on the present framework, we need perfect technique to ship masks to FAB without adding particles on the mask quality area.

Which is cheap to develop perfect mask shipping technique or to install cleaning technique in each FAB?

Or, if we cannot develop perfect mask shipping technique, we will have to clean masks in each FAB.