

Panel: Resist Performance, EUV Source Workshop

Nikon's perspective on Cost of ownership of EUV Sources

Kazuya Ota, Nikon
February 27, 2005



What information is needed to produce a cost of ownership model for EUV Sources?

- Tool price \$ / € / \
- Running cost
 - Electric cost ~ power consumption and the power rate.
 - Material cost ~ Sn, Li, Xe, F, CO₂, He, ...
- Maintenance cost
 - What kind of components have to be replaced?
 - Collector, electrode/nozzle, laser, SPF... (Source)
 - Condenser?, integrator??. PO?????... (Exposure tool)
 - Price of the replacing components?
 - How often and how long does it take to replace?

This is a potential issue with cost of ownership of EUV sources/(exposure tools).

