

EUV Source Work Shop CoO Panel Discussion

10-November-2005

Nikon

Precision Equipment Company

Susumu Mori

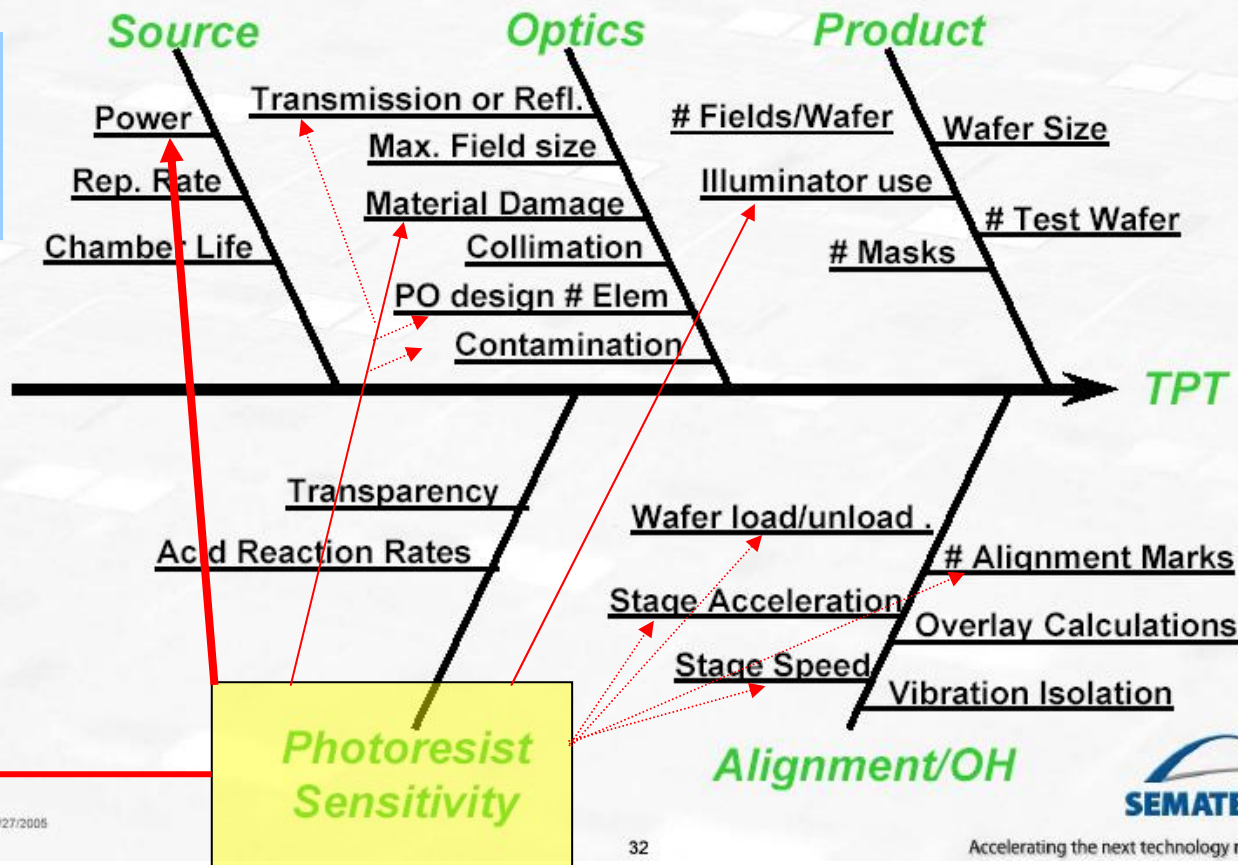


Utility Requirements for EUV Sources and Scanners

Cost of Ownership System Throughput Drivers

- Interdependency of many factors that influence system exposure tool throughputs (Fish Bone Diagram). All are used in SEMATECH CoO

Consumption
Electrical
GAS
Consumable Parts



Concerns

Utility Power Gas

for HMV Tool Power Consump.

Source >> Tool Acceptable for Fab and ESH ?

CoO

Price of High Power EUV Source => Lower

Lifetime/Consumable Parts => Extend

Uptime/Reliability

Resist Sensitivity

CoO $\propto 1/(\text{Resist Sensitivity})$