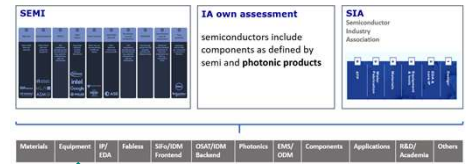
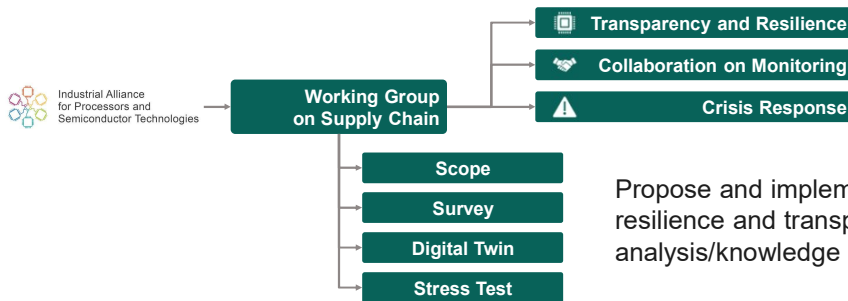


Supply Chain Working Group Cluster Equipment



Objectives of the Supply Chain Working Group



An industry working group working for the European industry on **End-to-End semiconductor*) supply chain and supply chains containing semiconductors**.

Join



Propose and implement measures to increase supply chain resilience and transparency, Support COM and ESB Board with analysis/knowledge and advise on possible future actions

Cluster Equipment



Definition:

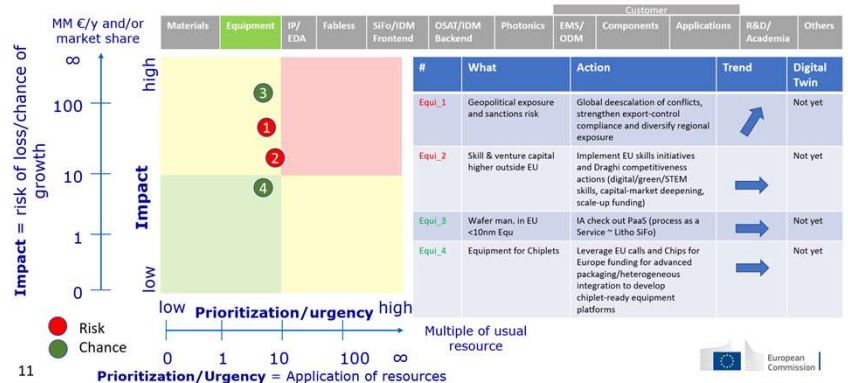
Semiconductor equipment covers the capital tools that make, inspect, assemble, and test chips—lithography scanners, deposition and etch tools, cleaning, metrology & inspection, vacuum/abatement, and automated test systems. These high-value, long-lead assets enable patterning, materials engineering, yield control, and back-end test/packaging across fabs.

Pivotal actors in semiconductor equipment:

- ASML [\[link\]](#) — Lithography (EUV¹/DUV²). Sole EUV¹ provider and leader in advanced scanners
- Applied Materials [\[link\]](#) — Deposition/Etch/CMP³ & patterning. Broadest front-end process portfolio
- Zeiss (Carl Zeiss SMT) [\[link\]](#) — EUV¹/DUV² lithography optics and illumination, reticle/wafer metrology
- Lam Research [\[link\]](#) — Etch & deposition. Core wafer-processing platforms used at leading nodes
- KLA [\[link\]](#) — Process control (inspection & metrology). Industry leader in yield management
- ASM International [\[link\]](#) — ALD/Epitaxy. Key supplier for ultra-thin film deposition
- SUSS MicroTec [\[link\]](#) — lithography tools, wafer bonding and temporary bond/debond for advanced packaging
- Mycronic [\[link\]](#) — Laser mask writers (display/mature-node); SMT pick-and-place and jet printing systems
- Aixtron [\[link\]](#) — MOCVD epitaxy systems for compound semiconductors for power, RF⁴, and optoelectronics
- TRUMPF [\[link\]](#) — Industrial lasers; RF power supplies (Hüttinger); CO2 lasers for EUV light sources

1) Extreme Ultraviolet; 2) Deep Ultraviolet; 3) Chemical Mechanical Planarization;; 4) Radio Frequency; 5) System on a Chip

Feedback (on Definition, on companies, on actual Chance/Risk Matrix, on increasing resilience, on ...)



The TASK

- Think about IDEAS & SUGGESTIONS to link the Base to the overall objectives
- Do some (silent) BRAINWRITING to put your Idea & Suggestion to a POST-IT
- Put your Post-it on the Poster with some EXPLANATORY WORDS to the group
- BRAINSTORM in the group about the ideas and make it as meaningful as possible
- PRESENT to the group (allow different opinions to be heard as well)

- Risk due to geopolitical situation in our domain and its supply chain mitigation strategy
- Risk due to complexity increase in our domain and its supply chain mitigation strategy
- Chances due to AI in our domain and how to accelerate harvesting the chances
- Chances due to collaboration in our domain and how to accelerate harvesting the chances