CECIMO
European Association of the Machine Tool Industries
and related Manufacturing Technologies

CECIMO Questionnaire on the Transition towards a Circular Economy

In 2020 the European Commission launched the ambitious Circular Economy Action Plan, incorporating a set of wide-reaching initiatives (Ex. Sustainable Products Initiative, Ecodesign, Right to Repair, etc.) aimed at enhancing sustainability along the entire life cycle of products. In this regard, to promote the machine tool industry as a true enabler of the circular economy, CECIMO is launching an initiative that will present examples of best practices from our sector and highlight their contribution towards the implementation of the Circular Economy Action Plan.

The information gathered in this questionnaire will be utilized by CECIMO to develop case studies and to compile clear evidence from our member countries on how machine tools can enhance product sustainability and ultimately enable the circular economy. Ultimately, all the information gathered here will provide CECIMO with the necessary inputs to promote machine tools to EU policymakers and other European / International stakeholders.

Please fill in this questionnaire at your earliest convenience before May 18th (Close of Business, 17:00).

Please do not hesitate to contact Stefano Ramundo Orlando (stefano.ramundo@cecimo.eu) or Vincenzo Belletti (vincenzo.belletti@cecimo.eu) in case you have any further questions.

Thanks!

1) Country (Where your company is officially based):

2) Name of your company:

3) Indicate your National Association:

4) Please provide a short description of your company's machinery products and the technologies used for their production. (Max 250 words)

5) What improvements has your company achieved in the field of product sustainability?

Energy efficiency (in the different steps of the machine tool use) ☐

Resource efficiency ☐

Durability ☐

Functionality ☐

Modularity ☐

Upgradability ☐

Easier to repair ☐

Easier disassembly ☐

6) Can you describe what your company has done to enhance the overall level of sustainability of a machine tool? (

waste reduction	☐	____%
reducing energy use	☐	____%
increased level of recyclability	☐	____%
Other (specify)	☐	____%

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7) How has your company improved product sustainability in terms of material use (Ex. % of recycled materials used, % of increased efficiency in their use, % of recyclability of the material used for the machinery products)?

Material use – recycled material	☐	____%
Material use – recycled material – increased efficiency	☐	____%
Recyclability of material used	☐	____%
Other (specify)	☐	____%

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8) How has your company extended the lifetime of its machinery products over time from design or components or end-product point of view (please give us an example of an upgrade that has extended the lifetime of the machinery product – Max 250 words)?

9) What do you think has the highest rate of success to extend products' / components' lifetime:

Remanufacturing	☐
Predictive maintenance	☐
Reusing the machine/component	☐
Recycling parts at their end of life	☐
Recycling materials at their end of life	☐
Other (specify)	☐

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10) What was the trade-off in terms of sustainability of extending product lifetime compared to product replacement?

Costs of production	☐
energy consumption	☐
resource utilization	☐
waste and pollution generation	☐
Other (specify)	☐

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11) Are there existing standards in place that are relevant to your activities in the field of sustainability (Ex. ISO 14955 or ISO / TR 14062)? If yes, what are they and to what extent have you implemented these standards at the strategic / operational level? (

    ISO 27000   ☐

    ISO 14000   ☐

    ISO 50001   ☐

    ISO 31000   ☐

    ISO 26000   ☐

    Other (specify)   ☐

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12) Does your company collaborate and coordinate together with its clients and suppliers to establish a truly circular business model? If yes, how so? (Max 250 words)

    Yes   ☐

    No   ☐

If yes, how so? (Max 250 words)

_____

13) What policy recommendations would you like to advance towards EU policymakers to improve the current legislative framework on circular economy (Optional)? (Max 250 words)