



# Manufacturing Tools

This material is available under Creative Common License “Attribution-NonCommercial-ShareAlike 4.0 International (CC BY-NC-SA 4.0)” (<https://creativecommons.org/licenses/by-nc-sa/4.0/>). If you would like to use the material commercially, get in contact with Fraunhofer IZM, Berlin ([lernfabrik@izm.fraunhofer.de](mailto:lernfabrik@izm.fraunhofer.de)).



# Manufacturing check list

## Life cycle stage 2



### In-house production

fair, neutral, good or excellent

**What do you have to consider in the production process in your own company?**

**Degree of consideration**



Did you reduce the number of production processes?

Did you reduce the number of auxiliaries and operational materials (e.g. water, air, oil,...)?

Do you use renewable energy?

Do you try to reduce the waste generated?

Do you improve the yield?

Do you reuse or sell your own waste?

Do you sell your (heat-) energy from manufacturing processes to other companies?

Do you use (heat-) energy from manufacturing processes from other companies?



# Manufacturing check list

## Life cycle stage 2



### EcoDesign strategies

- |   |  |
|---|--|
| <ul style="list-style-type: none"><li>• Alternative production techniques</li><li>• Fewer production steps</li><li>• Low / clean energy consumption</li></ul> | <ul style="list-style-type: none"><li>• Less production waste</li><li>• Few/ clean production consumables</li><li>• Sharing waste / energy with other companies (Industrial Symbiosis)</li></ul> |
|---|--|