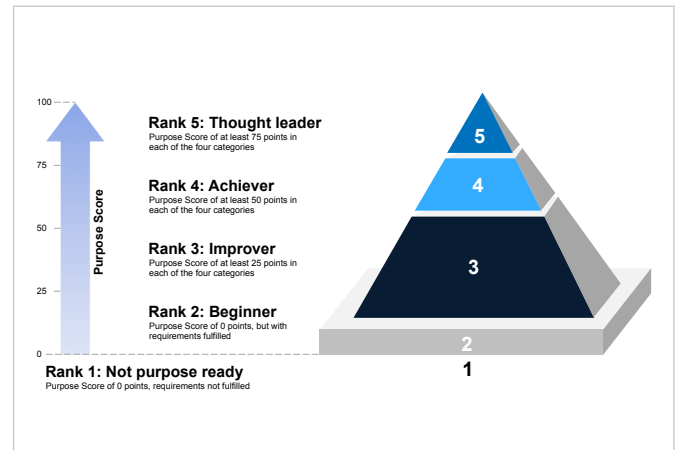
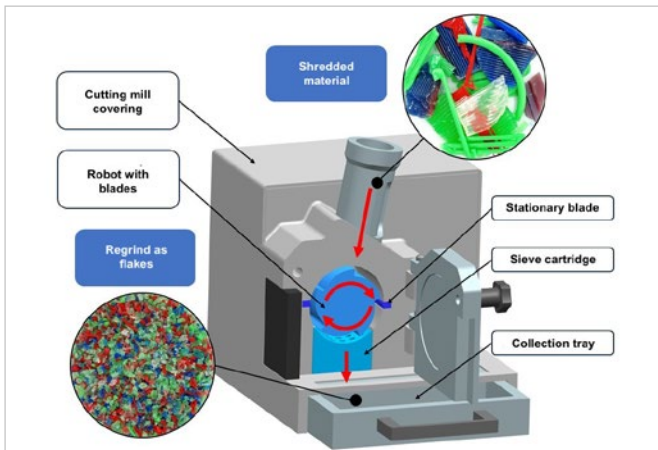


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14 Sustainability in Industrial Manufacturing: Resource-efficient circular economy through the use of a pellet 3D printer

Plastic waste is generated in additive manufacturing, for example in the form of required support structures or faulty prints. With the right technology, however, these can be converted into usable material. One option for recycling in additive manufacturing is direct use in a pellet 3D printer (FGF).

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Corporate purpose defines a company's raison d'être beyond short-term profit targets and formulates an overarching idea of what contribution companies want to make to a happy society and a healthy planet.

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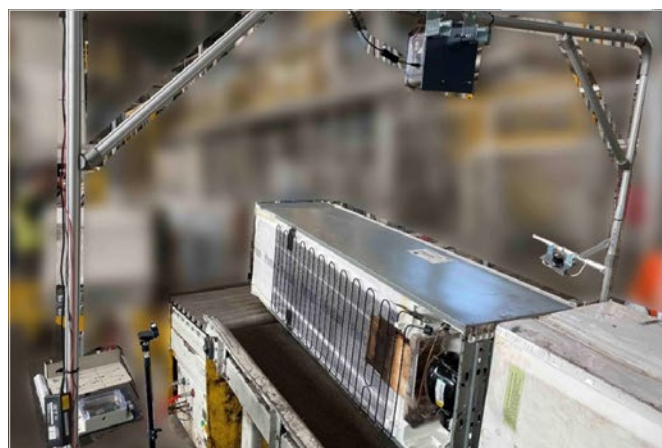
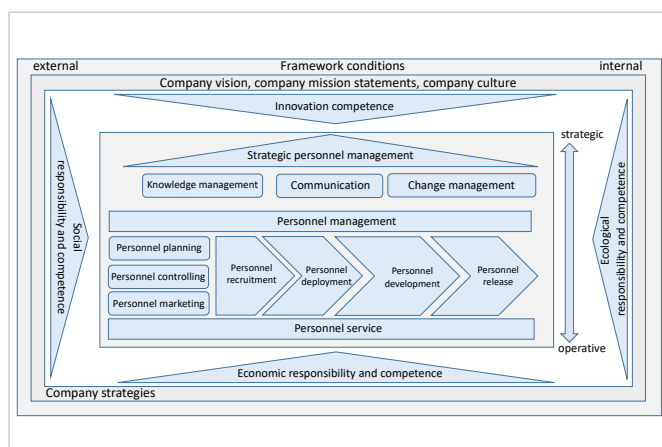
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50 Importance of Sustainable HR Management for the Consideration of Sustainability in Industrial Manufacturing

Industrial manufacturing offers a wide range of opportunities for a more ecologically compatible and socially just organization. Sustainability-oriented HR management can competently support industrial manufacturing companies in the design and implementation of sustainable production.

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Recycling plants are subject to regular audits. However, the collection of audit-relevant data is a challenging and time-consuming task due to its susceptibility to errors. One solution for more sustainable and efficient monitoring is automated digital data collection using sensors and artificial intelligence.

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