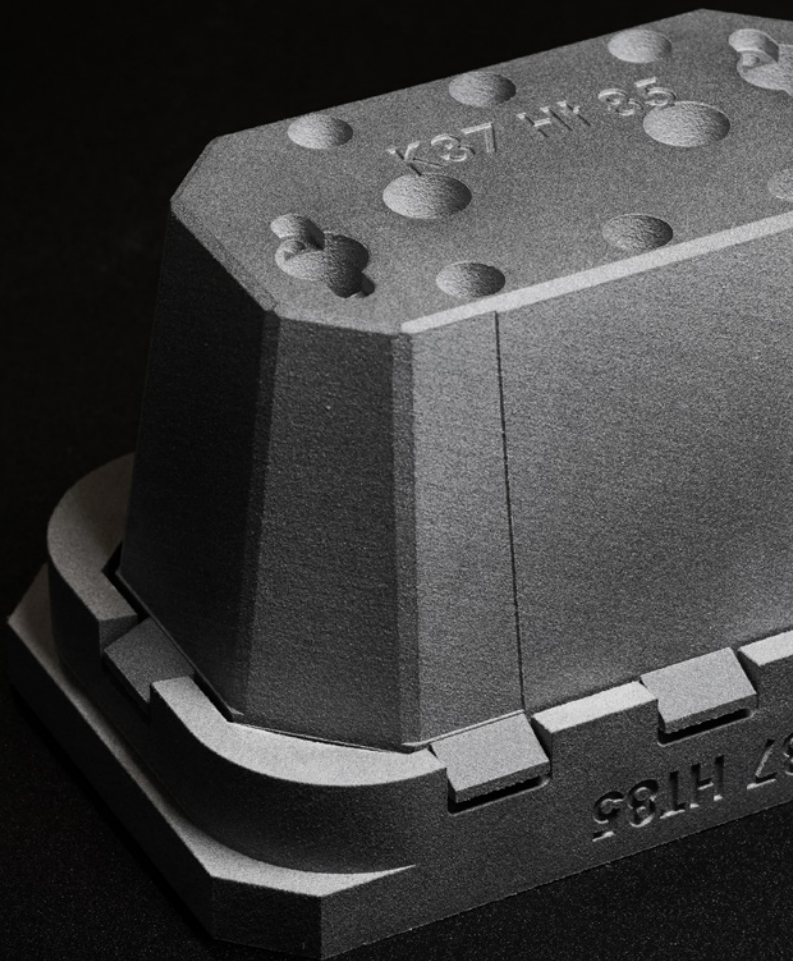




CASE STUDY
SAF

Wehl Green Drives Sustainability and Cost-Efficiency with Stratasys **H350** and **SAF ReLife PA12**





Overview

Wehl Green, a division of the Wehl Group, is a leader in sustainable manufacturing, committed to promoting circular economies and reducing environmental impact. Wehl Green has adopted the Stratasys H350 featuring the SAF ReLife PA12 solution, which recycles used powder, to transform its production processes. This partnership has driven both sustainability and cost-efficiency, showcasing how advanced additive manufacturing technologies can meet the demands of large-scale, environmentally conscious production.

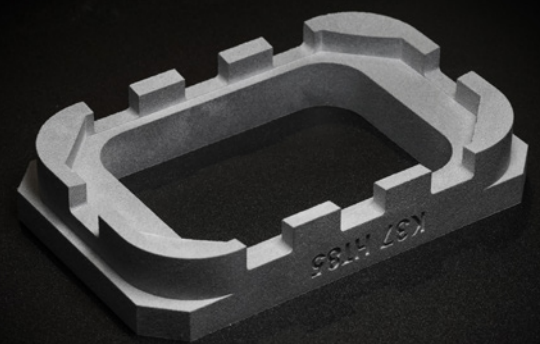
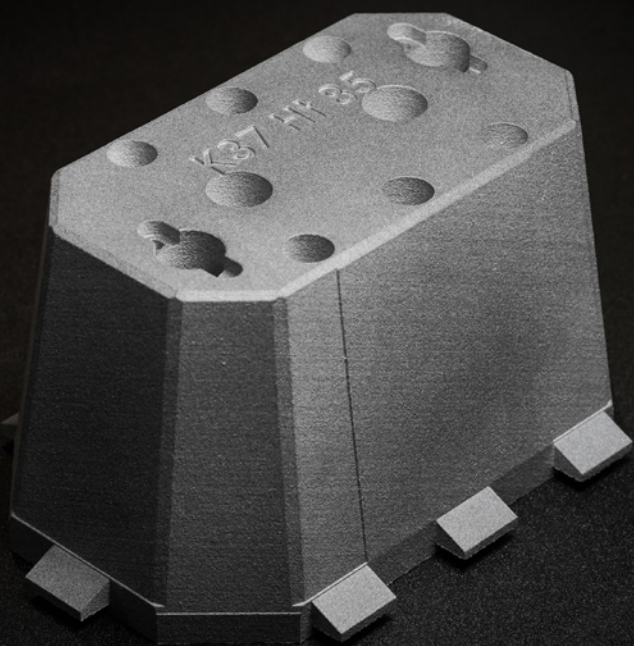
Challenge

A key challenge stemmed from Wehl Partner's extensive SLS printer fleet, which generates large volumes of used and waste PA12 powder. This waste not only resulted in high disposal costs but also contributed significantly to the company's carbon footprint. Tackling this issue was essential to align with the Wehl Group's sustainability mission and address operational inefficiencies.

Solution

Wehl Green adopted Stratasys' SAF ReLife PA12 solution to repurpose waste powders from other powder bed fusion technologies. The SAF process, with its advanced thermal camera and closed-loop system, ensures precise thermal control, minimizing material degradation and enabling effective reuse of powders. This approach transforms discarded materials into high-performance parts, supporting Wehl Green's circular economy goals.

Additionally, the Stratasys H350 printer enhances the solution's value by delivering unmatched accuracy and consistency, cost efficiency, and high throughput.





Impact

The SAF ReLife PA12 implementation has delivered measurable benefits:

1. **Mindful Manufacturing™:** By repurposing several used SLS PA12 annually with SAF ReLife, Wehl Green has achieved remarkable material efficiency, reducing its carbon footprint up to 89% as certified by the Fraunhofer Institute.
2. **Cost Savings:** Wehl Green has achieved a 20% improvement in production costs, making sustainable manufacturing financially viable.
3. **Scalability:** The H350's reliability and consistency enable large-scale production without compromising quality or efficiency.



With the adoption of SAF ReLife PA12, we've achieved a 20% improvement in production costs while reducing material waste significantly. This represents a breakthrough in cost-efficiency for sustainable manufacturing."

Javier Echarte
Commercial Director at Wehl Green



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