

# Sustainability that pays off.

## Plastics recycler Aurora sets a new standard



Industrial waste transforms into new plastic granulate

Plastic has become indispensable in our daily lives. Today, however, the use of this indestructible material has acquired a bad reputation. The industry requires new sustainability concepts. Aurora Kunststoffe GmbH from Neuenstein provides solutions: The company repurposes recycled plastic granulate into quality new products.

Aurora Kunststoffe transforms a dusty process into a clean one. "The production of plastic parts results in about five percent rejects. We purchase this industrial waste and transform it into a new, high-quality raw material," says production manager Alexander Schweinle.

The Aurora experts first examine their raw material using spectral analysis in the laboratory in order to precisely ascertain its composition. Then they grind the plastic parts into small pieces. Some of the material is re-sold directly, but the bulk is processed into first-class composite following the addition of molten additives in a new extrusion process, from which new materials can be produced.

Alexander Schweinle is proud of his highly modernized compounding plant. "We currently operate five extruders that produce over 50 tons of recompounds daily". Aurora expects demand to rise in the future. "I am certain that eventually there will be a legally mandated recycling quota," says Schweinle.

With the new factory, Aurora also invested in high-tech machinery. "Anyone familiar with the recycling of thermoplastics knows that it is a challenging and dusty business," says Schweinle. Visitors would be all the



### Kontakt:

Keller Lufttechnik GmbH + Co. KG  
Telefon +49 7021 574-0  
[info@keller-lufttechnik.de](mailto:info@keller-lufttechnik.de)

more surprised if they viewed the production at Aurora where Keller Lufttechnik extraction systems ensure clean air. The plant looks splendid. "Anyone who demands a clean operation in our industry should consider CLEACOM from Keller Lufttechnik," concludes Alexander Schweinle, who conducted extensive market research prior to his investment. CLEACOM stands for Clean Compounding. Keller Lufttechnik developed this separation concept specifically for plastics manufacturers. It combines dry separation, which is used for weighing and mixing raw materials, with a wet separation system for the extrusion process.

### Facts:

- Industrial waste transforms into new plastic granulate
- Investment in clean air – employees are satisfied
- The laborious cleaning task no longer plays a role today