The aim of granulation is to produce regrind of correct and consistent size with minimal dust. Regardless of how efficient your granulator is, there will always be a small percentage of dust and fines, especially when the knives are getting worn. This can cause problem when regrind are being recycled.

**Irregular melting characteristics**

Small particles and fines melt quicker than virgin granules and the small fines thus become overheated and burn, which will leave marks on the surface of the produced product. The result is discoloration of products and even weakening them by creating micro pockets of charred plastic throughout the plastic structure.

**And the solution is...**

By removing these small particles you will most probably get less rejects and a greater yield.

Rapid has developed different solutions that solve the problem with dust and fines in regrind. The top line product – Rapid TRACS – removing almost all particles also from outcoming air making your environment significantly cleaner.
Three efficient solutions

Rapid DS-50
A compact system for dust separation of regrind. Suitable for capacities up to 300 kg/h. Easy to adjust and clean.

Rapid DS-400
A compact system for granulator systems producing up to 600 kg/h. Multiple possibilities for regrind collection, octabin, big-bag etc.

Rapid TRACS
The total and final solution to all your problems. Produces regrind completely free from dust and fines.
Removes in addition 99.97% of all particles >0.3 µm from air leaving the system.

<table>
<thead>
<tr>
<th>TRACS</th>
<th>T30</th>
<th>T47</th>
<th>T58</th>
<th>T67</th>
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</thead>
<tbody>
<tr>
<td>Suction blower motor, kW</td>
<td>5.5</td>
<td>7.5</td>
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<td>Transportation capacity, kg/h*</td>
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<td>600</td>
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<td>1500</td>
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<td>Air quality, ppm</td>
<td>Removal of 99.97% of all particles &gt;0.3 µm.</td>
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<td>Dust container, l</td>
<td>160 / 600</td>
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</table>

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