

Dieffenbacher ecopulser

05 | 2011



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ecopulser

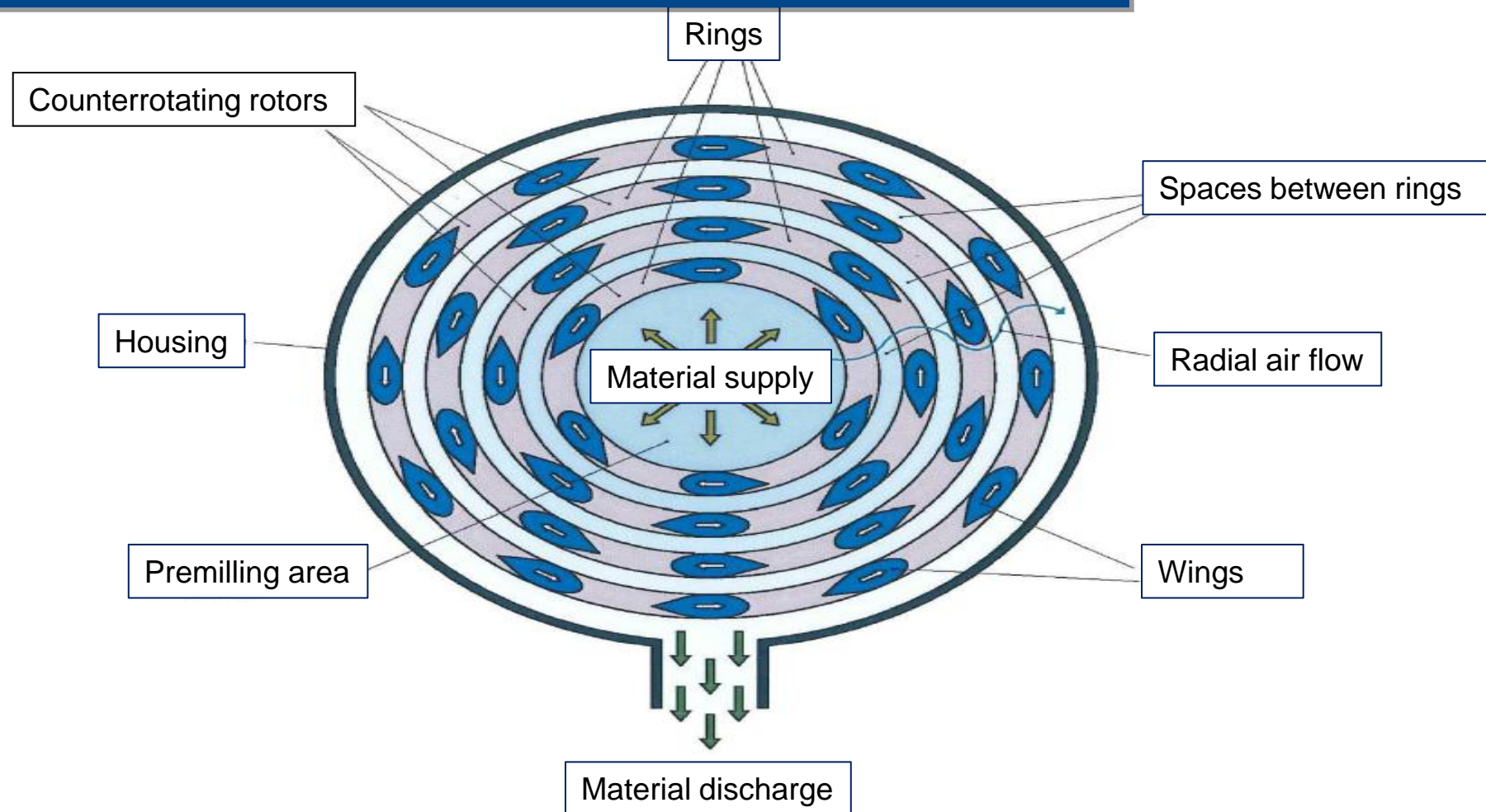


Reasons for the ecopulser

- Almost contact free milling
- Extreme low power requirements compared to other well known technologies
- Completely insensitive to contaminations
- Low exhaust requirements
- Low maintenance requirements

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Principle

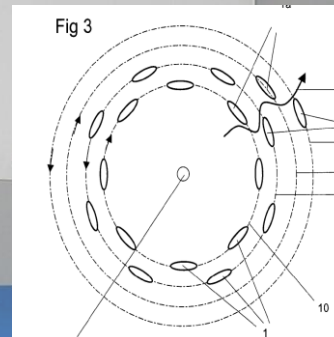


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How does it work?

The material to be processed is fed through a funnel at top of the machine.

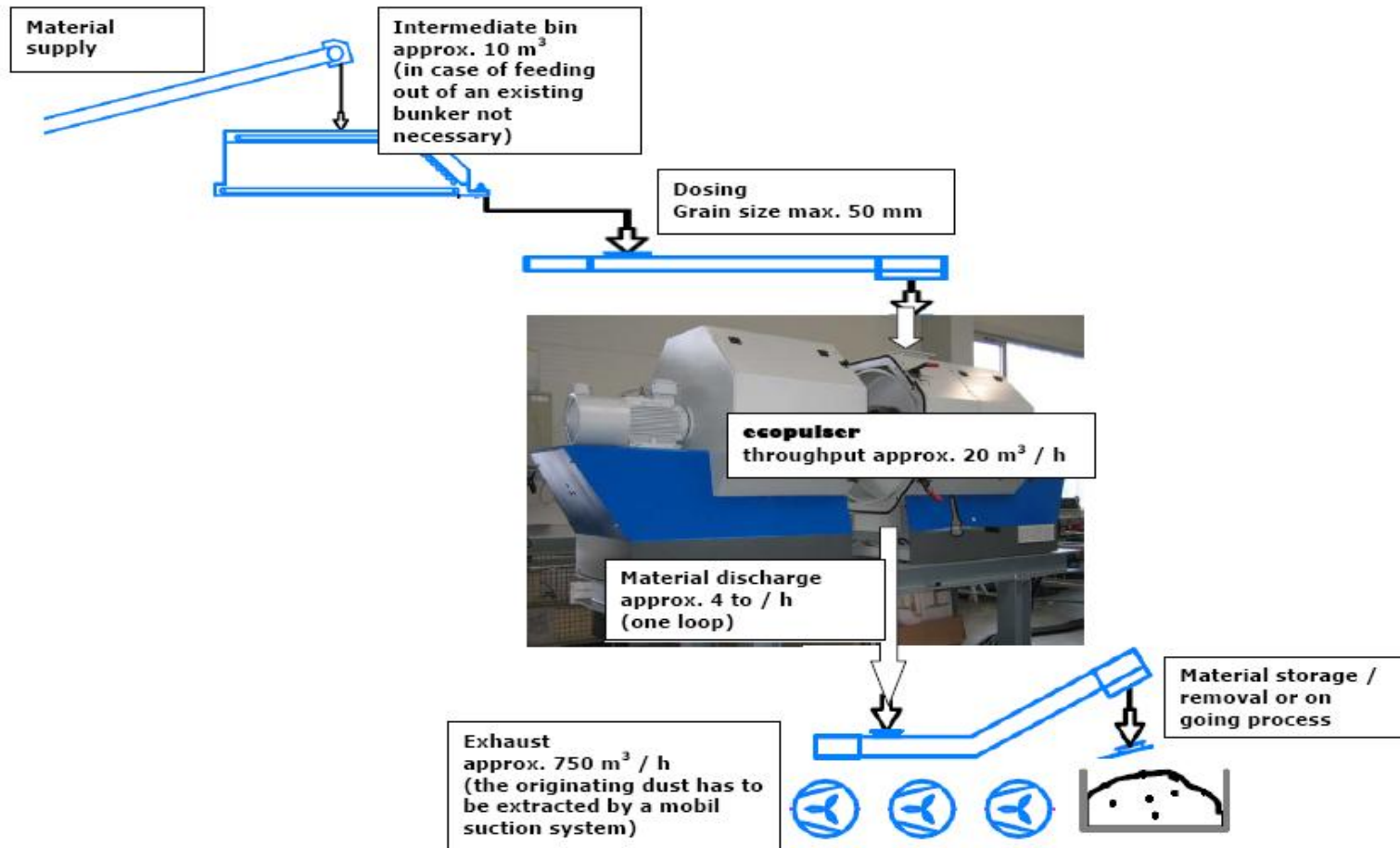
The rotation of the blade wheels results in a suction in the feed chute supporting the feed screw with the entry of the material.



From there, the material is radially transported to the outside by the air flow and is then released out of the machine through the outlet chute.

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Flowsheet



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Basic data

- | | |
|--------------------------------------|--------------------------|
| ▪ Dimensions approx. | 3.900 x 1.300 x 1.800 mm |
| ▪ Weight approx. | 4 t |
| ▪ Electrical power approx. | 30 KW |
| ▪ Specific energy consumption | 6-8 KWh/t |
| ▪ Sound emission approx. | 85 dB |
| ▪ Throughput mass approx. | 4t/h _{bd} |
| ▪ Throughput volume approx. | 20 m ³ /h |
| ▪ Air exhaust rate approx. | 750 m ³ /h |

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References and results

- **Pellet manufacturing**
from wood chips
Germany / Baden-Württemberg



- **Wood manufacturing**
Europe

