

ILATEC 40 Seeder



The ILATEC range of seeders is designed by specialists to generate flow seeding particles suitable for Particle Image Velocimetry (PIV), Laser Doppler Anemometry (LDA), Planar (Global) Doppler Velocimetry (DGV), and Laser light sheet tomography.

Models are available for liquid or solid seeding materials, with options such as remote controlled operation.



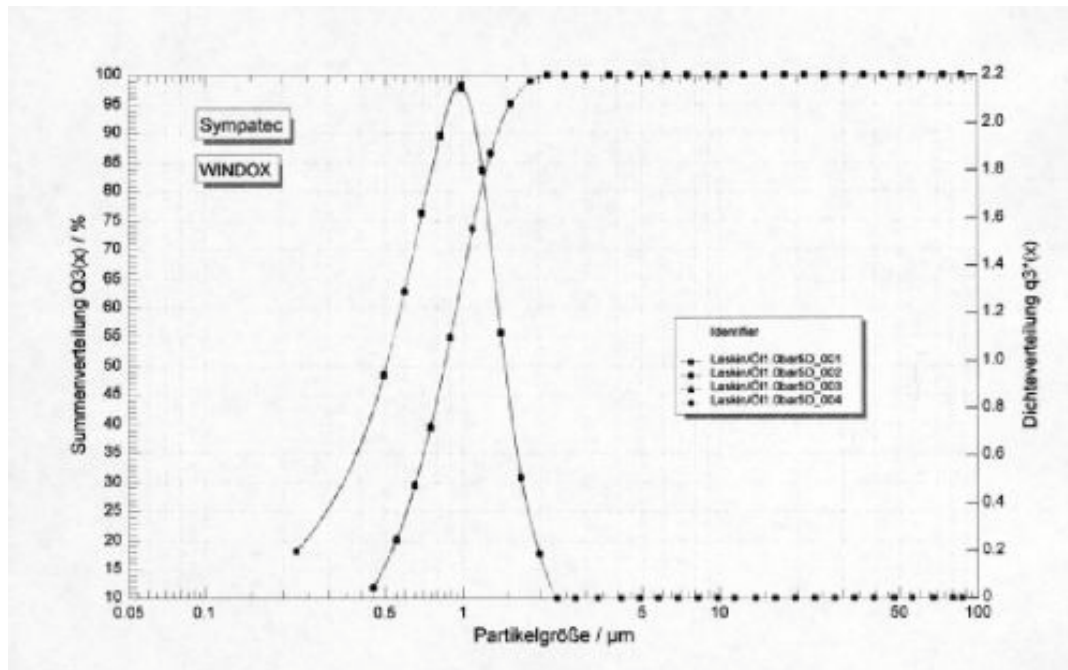
Specifications:

Operating principle: Laskin atomizer nozzles (12 nozzles).

- Fully adjustable through control of individual seeding nozzles (cascading)
- Typical particle size : 1 μm (peak in PDF of size distribution)
- Tested seeding materials DEHS (Di(2-ethylhexyl)sebacate, sebacic acid),
- vegetable oils
- Operating pressure up to 3bar overpressure, safety valve set at 5 bar
- Supply pressure : 10 bar max, uses regulator

Options :

- Particle impactor to limit maximum particle size (1 μm)
- High pressure versions (please inquire)
- remote control (USB or SPS)



Particle Size Distribution for Vegetable Oil Atomized at 1 Bar

