



## POWDER DISTRIBUTOR

### Homogeneous, almost pulse-free and modular

Before injecting the powder into a powder feeding nozzle, the powder jet is split into partial powder jets with a powder splitter to create a uniform powder distribution in the powder nozzle. The distributor has a modular design, i. e. the inlets and outlets can be combined according to customer requirements.

By using a core of several **diffusor plates** at a defined distance, a **uniform distribution** is realized. In addition, this component ensures almost **pulse-free** transport at high powder mass flows.

### Contact

#### **HD Sonderoptiken für die Lasertechnik**

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## Technical specifications

Design	Modular
Size	Diameter = 37 mm Length = 180 or 230mm (depending on version)
Weight	max. 1 kg
Accuracy	1-3 %
Inputs and outputs	<p style="text-align: center;">INLET</p> <p style="text-align: center;">1    2    3    6</p> <p style="text-align: center;">POWDER DISTRIBUTOR</p> <p style="text-align: center;">1    2    3    6</p> <p style="text-align: center;">OUTLET</p>
Powder particle size	20 - 50 $\mu\text{m}$ , 50 - 100 $\mu\text{m}$ (recommended)
Max. powder mass flow	100 g/min
Connections (Powder tubes/hoses)	4 and 6mm