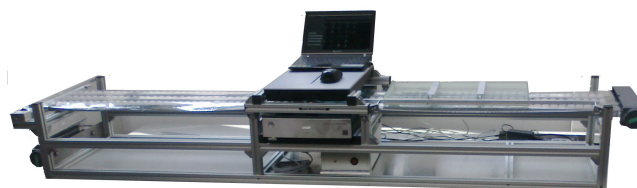


Powdershape Aqua – shape and size characterization of particles in liquids

The new system Powdershape Aqua is especially interesting for biological and chemical applications that must be held in liquid environments.



The Powdershape Aqua consists of a sample feeder for the specially designed dishes for liquid samples, a scanner and a computer. The handling of the system has remained simple. The specially designed dishes for your liquid samples allows to perform measurements in liquid in the same manner as measurements in air. It is even possible to change between dry or wet samples. You can also scan samples in Petri dishes without any additional effort. The scanning takes place automatically. One dish after another is moved onto the scanner where it remains until fully scanned.

Specifications:

Grain size range:	0,03 - 30 mm
Characterization parameters:	<ul style="list-style-type: none">• shape (similarity to circle, ellipse, and rectangle, roughness, aspect ratio, etc.),• size (grain size, fiber width and length)• texture properties
Typical characterizations:	<ul style="list-style-type: none">• particles size distribution• shape descriptors according to ISO 9276 - 6 such as ellipse ratio, aspect ratio, elongation• length and width distribution
Typical applications:	<ul style="list-style-type: none">• chemically aggregated fluorocarbon particles in water• living cell cluster imaging
Statistical evaluations:	<ul style="list-style-type: none">• weighted size distribution (histogram and cumulative distribution); logarithmic and linear scale• size range selection; predefined ranges according to ISO• mean and standard deviation for proportional descriptors (shape factors)
ISO Compliance:	ISO 9276 - 6
Dimensions / weight:	180 x 48 x 35 cm / 25 kg
Voltage:	220/110 V 50/60 Hz;
Specimens preparation area:	0,3 m ²
Imaging	A4 flat bed scanner which allows to measure the objects in transmission or reflective light mode with up to 1600 dpi real optical resolution

