

Highly Customizable Report

- Complete and detailed data: Frequency and cumulative distribution curves, simplified and complete distribution table, etc.
- Editability: Users can easily edit the reports and change the font, layout, format, etc.
- Convertibility: Users can switch the formats of reports freely among PDF, Excel, Text, etc.

- ① Basic information
- ② Typical values
- ③ Particle size distribution graph
- ④ Simplified table
- ⑤ Particle size distribution table
- ⑥ System status

Bettersize
Bettersizer 2600 Plus (Wet) Particle Size Analysis Report
 Range : 0.02um - 350um

Sample : 350nm PS Number : X009.0005.0100 Sample Source : Bettersize
 Operator : NO.069 Test Time : 2025-09-01 15:26:13 Measured By : Bettersize

Particle RI : 1.59 Particle AR : 0 Medium RI : 1.333
 Optical : Mie Mode : Adaptive Distribution : Volume
 Sampling : Speed (rpm): 500 Ultrasound: Always ON, 35W, 30s, 0s
 Medium : Water Dispersant : Remark :

D[4,3] : 0.360 um D[3,2] : 0.352 um D[1,0] : 0.336 um Peak Size : 0.354 um
 SPAN : 0.384 SSA : 6312m²/kg Residual : 1.460 % Obscuration : 2.79 %

D03 = 0.267 um D06 = 0.279 um D10 = 0.295 um D16 = 0.305 um D25 = 0.319 um
 D75 = 0.396 um D50 = 0.355 um D80 = 0.407 um D90 = 0.432 um D97 = 0.481 um

Diam um	Percent
0.020	0.00
0.050	0.00
0.100	0.00
0.200	0.05
0.500	98.01
1.000	100.00
2.000	100.00
5.000	100.00
10.00	100.00
20.00	100.00

Particle size distribution table

Diam um	Diff%	Cum%	Diam um	Diff%	Cum%	Diam um	Diff%	Cum%	Diam um	Diff%	Cum%
0.020-0.022	0.00	0.00	0.379-0.427	21.21	88.64	7.211-8.112	0.00	100.00	136.9-154.0	0.00	100.00
0.022-0.025	0.00	0.00	0.427-0.480	8.17	96.81	8.112-9.126	0.00	100.00	154.0-173.2	0.00	100.00
0.025-0.028	0.00	0.00	0.480-0.540	2.90	99.31	9.126-10.26	0.00	100.00	173.2-194.9	0.00	100.00
0.028-0.032	0.00	0.00	0.540-0.608	0.62	99.93	10.26-11.54	0.00	100.00	194.9-219.3	0.00	100.00
0.032-0.038	0.00	0.00	0.608-0.684	0.07	100.00	11.54-12.99	0.00	100.00	219.3-246.7	0.00	100.00
0.038-0.040	0.00	0.00	0.684-0.769	0.00	100.00	12.99-14.61	0.00	100.00	246.7-277.5	0.00	100.00
0.040-0.045	0.00	0.00	0.769-0.865	0.00	100.00	14.61-16.44	0.00	100.00	277.5-312.2	0.00	100.00
0.045-0.051	0.00	0.00	0.865-0.974	0.00	100.00	16.44-18.48	0.00	100.00	312.2-351.2	0.00	100.00
0.051-0.057	0.00	0.00	0.974-1.095	0.00	100.00	18.48-20.80	0.00	100.00	351.2-395.1	0.00	100.00
0.057-0.064	0.00	0.00	1.095-1.232	0.00	100.00	20.80-23.40	0.00	100.00	395.1-444.5	0.00	100.00
0.064-0.073	0.00	0.00	1.232-1.386	0.00	100.00	23.40-28.33	0.00	100.00	444.5-500.0	0.00	100.00
0.073-0.082	0.00	0.00	1.386-1.560	0.00	100.00	28.33-29.62	0.00	100.00	500.0-562.5	0.00	100.00
0.082-0.092	0.00	0.00	1.560-1.755	0.00	100.00	29.62-33.32	0.00	100.00	562.5-632.8	0.00	100.00
0.092-0.103	0.00	0.00	1.755-1.974	0.00	100.00	33.32-37.49	0.00	100.00	632.8-711.9	0.00	100.00
0.103-0.116	0.00	0.00	1.974-2.221	0.00	100.00	37.49-42.17	0.00	100.00	711.9-800.9	0.00	100.00
0.116-0.131	0.00	0.00	2.221-2.498	0.00	100.00	42.17-47.44	0.00	100.00	800.9-900.9	0.00	100.00
0.131-0.148	0.00	0.00	2.498-2.811	0.00	100.00	47.44-53.37	0.00	100.00	900.9-1013	0.00	100.00
0.148-0.166	0.00	0.00	2.811-3.162	0.00	100.00	53.37-60.04	0.00	100.00	1013-1140	0.00	100.00
0.166-0.187	0.02	0.02	3.162-3.557	0.00	100.00	60.04-67.55	0.00	100.00	1140-1282	0.00	100.00
0.187-0.210	0.05	0.07	3.557-4.002	0.00	100.00	67.55-75.98	0.00	100.00	1282-1443	0.00	100.00
0.210-0.237	0.29	0.36	4.002-4.502	0.00	100.00	75.98-85.49	0.00	100.00	1443-1623	0.00	100.00
0.237-0.266	2.19	2.55	4.502-5.065	0.00	100.00	85.49-96.17	0.00	100.00	1623-1826	0.00	100.00
0.266-0.300	9.75	12.30	5.065-5.698	0.00	100.00	96.17-108.1	0.00	100.00	1826-2054	0.00	100.00
0.300-0.337	23.99	36.29	5.698-6.410	0.00	100.00	108.1-121.7	0.00	100.00	2054-2311	0.00	100.00
0.337-0.379	31.14	67.43	6.410-7.211	0.00	100.00	121.7-136.9	0.00	100.00	2311-2600	0.00	100.00

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System Status: A:0-0-0-0-0-0-0-10-0-25-075-0-90-1-1 E:87-0-0-6-3 J:1-8-0-10-0-6 K:1-12-1-1-0-1 L:1-50-1-2000-0-1 M:0-3-1-1-0-7-5-1-1-2-1-03-1-30-16-0-025-0-0-65
 SW:01.01.08204.90 01.12.BA.000793 Print Time: 2026-02-06 11:31:23 Project Name: 01.12.BA.000793 Record No: 51 SOP: Bettersize2600 BT-802 350nm 激光液相动态光散射 Test Method: Laser



Bettersizer 2600 Plus
 All-in-One Solution for Every Industry

- Particle Size
- Particle Shape

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Combination of Particle Size and Shape Analysis

The Bettersizer 2600 Plus with the PIC-1 module combines laser diffraction and dynamic imaging in a single, integrated system. The Bettersizer 2600 Plus features a patented Fourier and inverse Fourier optical design, delivering accurate particle size analysis across a wide range of 0.02 - 2600 µm with outstanding resolution and repeatability.

The PIC-1 module adds dynamic imaging capabilities covering 2 - 3500 µm, with dual cameras, up to 32 shape parameters, and high-speed image capture at 70 fps, with up to 5 MP resolution. Together, they provide comprehensive particle size and shape characterization in one convenient measurement.

WIDE PARTICLE RANGE

Combined laser diffraction and dynamic imaging achieve a particle size measurement range of **0.02 - 3500 µm**.



The Bettersizer 2600 Plus equips the PIC-1 with particle shape analysis capability, delivering **32** shape parameters

PARTICLE SHAPE

DRY / WET METHOD

The **6** interchangeable **dry and wet** dispersion modules allow fast switching to measure powders, suspensions and slurries.

One click runs the **SOP** dispersion, measurement, cleaning, and reporting—in under **a minute**.

SMART FULL-PROCESS CONTROL

Bettersizer 2600 Plus	
Principle	Laser diffraction technology
Analysis	Mie scattering Fraunhofer diffraction
Measuring range	0.02 - 2,600 µm (wet)* 0.1 - 2,600 µm (dry)*
Measurement time	Less than 10 seconds
Accuracy	≤ 0.5%*
Repeatability	≤ 0.5%*
Number of size classes	100 (adjustable)
Laser	10 mW, 635 nm, Class 1
Detector	92 detectors
Measuring angle	0.016 - 165°

*Sample and sample preparation dependent



PIC-1*	
Magnification	0.5x and 10x
Measuring range	2 - 3,500 µm**
Frame rate	70 fps

*Wet method only

**Sample and sample preparation dependent



Wet Dispersion

Wet dispersion uses a liquid medium, such as water or organic solvent, to separate particles and prevent agglomeration. Combined with stirring, ultrasound and dispersants dosing, it ensures stable, reliable results for powders, suspensions, or slurries. The Bettersizer 2600 Plus offers dedicated wet dispersion units designed to meet diverse requirements in terms of sample volume, media compatibility, and automation needs.

BT-812

Automatic Wet Dispersion Unit

The BT-812 is designed for efficient particle dispersion when sufficient sample volume is available, using water as the medium. It features automatic surfactant dosing to achieve stable and reliable dispersion quality with minimal operator effort.

BT-812	
Stirring speed	300 - 2,500 rpm
Ultrasonic power	50 W max
Volume	500 mL
Medium	Water
SOP	Yes

BT-80N Pro

Automatic Anti-corrosive Wet Dispersion Unit



The BT-80N Pro is engineered to withstand harsh chemical environments, enabling particle dispersion in many organic solvents.

BT-80N Pro	
Stirring speed	300 - 2,500 rpm
Ultrasonic power	50 W max
Volume	80 - 200 mL
Medium	Water, organic solvent*
SOP	Yes

*Compatibility depends on specific chemicals. Please contact technical support for guidance.

BT-80N

Anti-corrosive Wet Dispersion Unit



The manual BT-80N is an entry-level wet dispersion unit, compatible with many organic solvents.

BT-80N	
Stirring speed	300 - 3,000 rpm
Ultrasonic power	50 W max
Volume	50 - 80 mL
Medium	Water, organic solvent*
SOP	No

*Compatibility depends on specific chemicals. Please contact technical support for guidance.

BT-814

Small Volume Wet Dispersion Unit



The BT-814 is specifically designed for small or high-value samples, with dispersion in either aqueous or non-aqueous media.

BT-814	
Stirring speed	Semi-automated
Volume	8 mL
Medium	Water, organic solvent
SOP	No

Dry Dispersion

Dry dispersion uses high-speed gas flow and the Venturi principle to generate strong shear forces, particle collisions, and wall impacts, ensuring agglomerates are fully separated for accurate measurement. Bettersizer 2600 Plus offers two dry dispersion units to suit different sample volumes.

BT-912

Automatic Dry Dispersion Unit

The BT-912 is the primary dry dispersion unit for routine powder dispersion using compressed gas. It integrates compressed gas dispersion with an electromagnetic vibration feeder and a high-efficiency Venturi tube to ensure consistent, reliable deagglomeration. A high-transparency observation window allows real-time monitoring of the feeding and dispersion process.

BT-912	
Powder mass	0.2 - 10 g
Air pressure	0.1 - 0.8 MPa
Funnel height	0.7 - 2.9 mm
Medium	Air, nitrogen or noble gases
SOP	Yes

BT-903

Small Volume Dry Dispersion Unit



The BT-903 is optimized for dispersing small quantities of dry powders. It features automated tube lifting for easy loading and intelligent gas control for precise, effective dispersion of trace samples.

BT-903	
Powder mass	0.02 - 1 g
Air pressure	0.1 - 0.8 MPa
Volume	5 mL max
Medium	Air, nitrogen or noble gases
SOP	Yes

