

Dot View

The system for measurement analysis of drop-in -flight

Head Type
KYOCERA·KMIJ

Measurement of drops-in-flight

Measure and analyze drop-in -flight by monitoring the head nozzle from side and at right angles by camera. Measure the exact drop speed with image processing technology . Possible to test various kinds of ink by changing IJ head.※1

- Can attach this sytem to "Patterning Jet" as an optional extra.
- Ink testing service is acceptable by using our own Dot View equip ment. (Basically fare-paying service)

※In case of using different maker's heads, this system will be needed separately per head maker because head unites and software are not common.

Dot View



Dot View Software Screen

Can select the manual or automatic measurement mode.

Can specify the parameter of ejecting.

Can specify the parameter of measurement.

Can specify the destination of result to save.

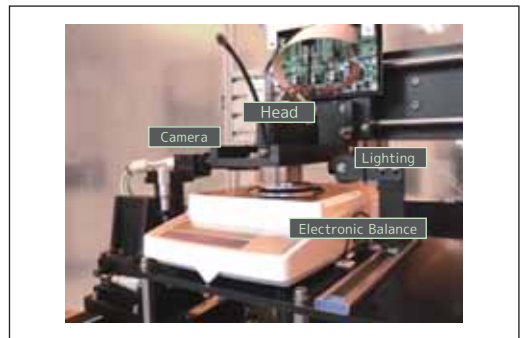
Camera Preview
Display the successive images and a still image.

**【 Computation of ejecting speed 】
(Manual Mode)**

- 1.Designate the coordinates on camera preview screen.
- 2.Click the computation button.
The ejecting speed is computed automatically and displayed on screen.

Dot View Specification

Camera	Monochrome 1.4million pixels(1,280x960pixels), Area 32.x2.4mm, Resolution 2.3μm/pixel
Lighting	LED strobe 1 lighting
User-specified:	· Power voltage, Frequency, Driving pulse width · Head Temperature (Only kind of head with heater) · Emission time of strobe, Target nozzle line (L or R) · Frequency and interval of ejecting
Data format	· Image file form : Gray TIFF · Output file form : Text (Target nozzle line,Ejecting count, Emission time of strobe.)
Head Type	KMIJ, KYOCERA, TOSHIBA TEC XAAR, DIMATIXS (Please contact us)
Ink Type	UV, Water-based, Oil-based (Available ink type depends on head maker.)
System component	1. Head x 1, 2.Head driver unit, 3.Power supply of head, 4.PC(including control software), 5.Imaging unit (Camera, Lighting, Positioning mechanism) 6.Head stand, 7.Electronic Balance(Optional)
Options	In the case of KMIJ head, automatic measurement (by power voltage, frequency, temperature and pulse width) is available .



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