

## **Automatic Dispersion Inspection machine**

# **For every kneading process and evaluation of powder materials.**

**Just push one button to measure grain size and dispersion of adding and base particle.**



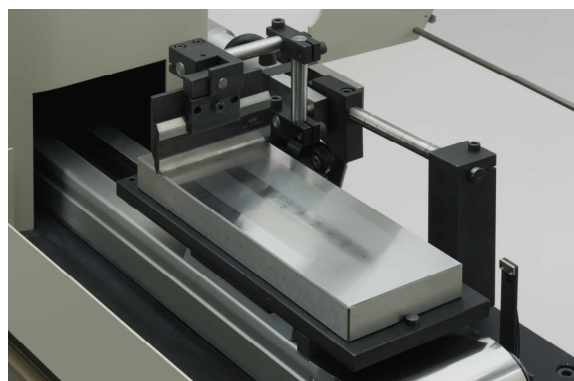
**ADIM is incorporated with grind gauge to measure the pattern created by adding and base particle of kneading materials. It evaluates kneading and dispersion according to JIS K 5600-2-5.**

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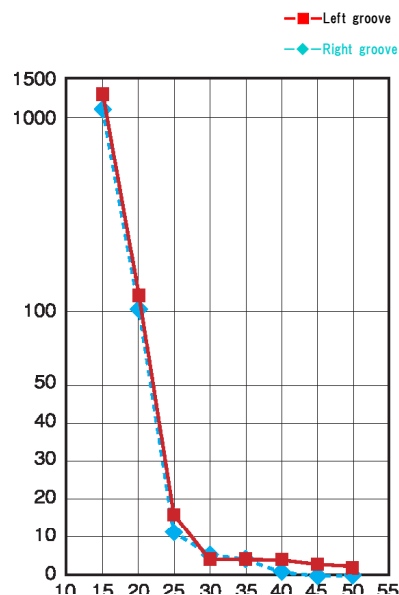
■ The same evaluation is easily provided in anyone. Visual observation by expert is quantified with image processing.  
Automatic draw downs on grind gauges.

■ Available for both grain and line pattern.

■ Graphical judgment indication



Pattern formation unit section



Items	Pattern	Grain pattern	Line Pattern
Judgment range(Note1)		100~10	100~7.5
Instrument error		Scale interval × 0.5 (Note2)	Scale interval × 0.5 (Note3)
Repeatability		Scale interval × 0.5 (Note2)	Scale interval × 0.5 (Note3)
Drawn down time (sec)		Standard:4 Option 1~30 (Variable)	
View getting time (sec)		4	4
Analyzing time (sec)(Note4)		7	7
Color of specimen		Green, Blue, Red, Black, Yellow, White *White use Black oxide gauge	
Computer		Desk-top type•DOS/V computer	
Software		Original software	
File format		Image file : PNG, Information file : TXT	
Environment temperature		5~40°C	
Grind gauge		W:240,H88,T25 2grooves (other type optional) with 6mm square reference mark [+]	
Scraper		W:92,H:40,T:6 (other type optional)	
Angle of scraper		90 ±10deg (adjustable)	
Scraper force (kg)		Standard 2~5(graduations:0.5) option:4~10(graduations :1)	
Power source		AC100V ±10% 50/60Hz	
Dimension		855(W) × 610(H) × 295(D)	
Weight		80Kg	
Applying of specimen		Manually	

Note1: Measuring range according to JIS.

Note2: Our experimental data with resist ink (JIS evaluation) . In case of 50 μm range gauge 2.5 μm(5 μm graduations).

Note3: Our experimental data with standard grain (JIS evaluation) . In case of 50 μm range gauge 2.5 μm(5 μm graduations).

Note4: Specification of computer: CPU Core2Duo 2.33G, 2G memory equivalent. It depends on analysis parameter.

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