Dry, wet, visible and fluorescent particle systems

Magnetic Particle Testing (MT)

System	Relative sensitivity	Suitable condition	Key control
Visible dry powder	Moderate	Rougher surfaces, field work and higher temperature	Contrast, uniform application and removal of excess powder
Visible wet particles	Good	Machined surfaces and bench units	Bath concentration, contamination, viscosity and agitation
Wet fluorescent particles	Higher for fine indications	Sensitive examination in a darkened area	UV-A irradiance, ambient visible light, eye adaptation and lamp condition
White contrast paint	Improves visible contrast	Field yoke inspection	Excess coating thickness can weaken an indication.

Source / basis: https://niktrd.com/magnetic-particle-testing