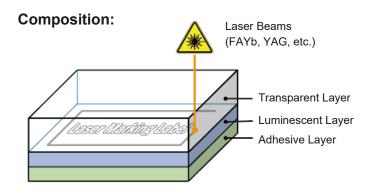


- Laser light transmitted through the surface transparent layer reacts with the lower luminescent layer, resulting in luminescence.
- Robust laser marking film based on a polyester substrate.
- Compatible with short-wavelength lasers. *Cutting is not possible with short-wavelength lasers.







Examples of Applications:

- Medical instruments or food machinery that utilize chemicals.
- Engine rooms with high levels of contamination.
- Outdoor vending machines or mechanical equipment installations

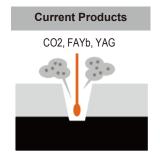
Features

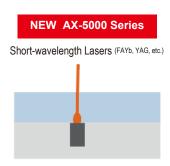
High Chemical Resistance and Durability:

Achieves excellent durability, including chemical resistance and wear resistance, as the surface is protected by a transparent film, preventing exposure of the printing surface.

Dust-Free Type:

Maintains a clean working environment as there is no generation of "gas or dust," allowing production even in office settings. Minimizes the adverse effects on laser markers caused by "gas or dust."







Specifications

Item Code	AX-5000 Series			
Color	Label: White / Letters: Black			
Composition	Trasnparent Layer : 50 μm			
	Coloring Layer : 30 μm			
	Adhesive Layer : 30 μm			
Laser Beam	Fiber Laser			
Adhesive Strength (N/1inch)		After 1hr	After 24hr	After 168hr
	BASUS	13.7	17.8	20.7
	Polished SUS	19.1	23.5	26.1
	PP	15.5	17.3	18.1
	Acrylic	18.9	21.4	22.9
	Glass	19.1	21.2	22.1
	Painted Steel	17.0	18.8	19.3
Heat Resistance	248°F(120°C) x after 168hr QR Code can be read			
Abrasion resistance	After Taber abrasion test*1, QR code can be read			
Solvent resistance	After IPA immersion with 30min, QR code can be read			

^{*1:} Abrasion ring CS10, load 4.9N, 5000 rotations

Printing Example





Printing Conditions			
Laser Machine	Panasonic LP-Z130		
Laser Beam	Yb : Fiber Laser λ =1060nm Class 4 Laser Products		
Laser Pulse Range	30ns, 100ns, 200ns		
Average Output	13W (pulse oscillation) Note: Output of single laser oscillator		
Print setting value			
Power	7.5		
Print Pulse Period	20.0 μ s		
Scanning Speed	1500mm/s		
Ray Width	0.070mm		

For more information, please contact



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