Process Technologies and Printable Media Choices

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process technologies

media/characteristics

equipment/facility

Photographic Printing gray-scale

metalphoto

photographic anodized

aluminum and imaging system

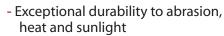
DURABLACK

ALUMAMark

Laser Markable Aluminum

aluminum





- Widely specified in military applications
- Most professional production system for short or long run production requirements



design



steps

expose MetalPhoto through film

develop/fix/rinse

barcode labels/ panels/nameplates

seal

cut and mount

photo film Metalphoto system safe light area 220V

water/drain fabrication equipment

CO2 laser

metal shear

CO₂ laser

metal shear

applications

CO₂ Laser Markable

2-color

aluminum

- Direct marking, on-demand solution for variable graphics
- Etched white graphics on black
- Superior durability against sunlight & weather, abrasion, high-temps, salt-spray and chemical exposure
- Available in sheets or pre-cut parts



design



load material



mark material





cut and mount or purchase pre-cut

CO₂ Laser Markable

2-color

aluminum

- Direct marking, on-demand solution for variable graphics
- Rich black graphics on aluminum
- Available in sheets or pre-cut parts
- Great for short and medium runs



design



load material



mark material

awards/ barcode labels



purchase pre-cut

cut and mount or

Direct Ink Jet Printing

Ink Jet Printable Aluminum 1et

aluminum and vinyl



- Direct printing for outstanding color, photo quality printing on aluminum or vinyl
- Easy to use desktop system
- Low equipment cost
- Great for short run or customized parts



design



load material into ink jet printer



print



protect with spray or laminate



cut and mount

ink jet printer metal shear laminator

Photographic Printing

2-color

aluminum and polyester



- Desktop imaging systems for identification products
- Aluminum or polyester
- Professional results in 5 minutes
- Processes in tap water
- Easy to fabricate and mount



design

print film expose material



through film

spray with water



wipe it dry



labels/signs

cut and mount

exposure device transparency film subdued light sink

photosensitive aluminum and polyester

