

SMT Stencil Frame

Manufacturer Since 1999



Overview

Doyan holds stock of high quality aluminium frames for solder paste printing. These are available mounted with pre-meshed with or without foil. We offer a consistent product that has been through rigorous internal and external testing and is proven in both domestic and foreign markets.



Frame Specification

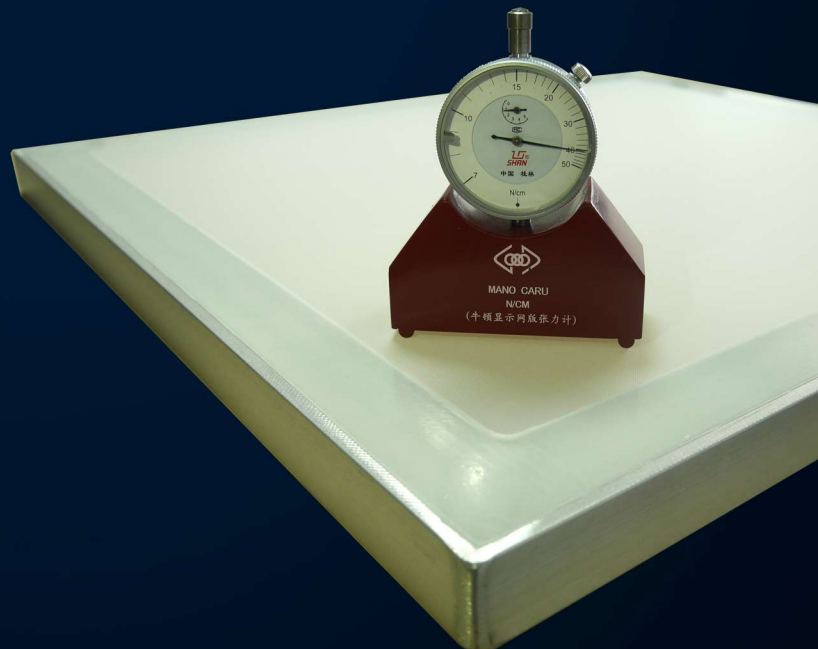
Aluminum Grade	Alloy 6063T5
Wall Thickness	2mm to 3.2mm
Flatness Tolerance	$\pm 1\text{mm}$
Finish	Polished Surface
Bonding	AB AICA glue
Size Tolerance	$\pm 1\text{mm}$

Sizes Available

29"×29", 23"×23",
20"×20", 12"×17",
15"×15", 12"×12",
10"×10"

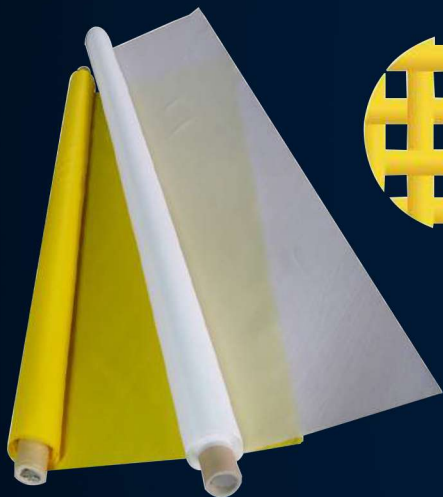
Inspection

All screens are tensioned to industry standards for optimal screen life. Customer specific tension specifications can be applied so long as these specifications are process capable per given mesh. After polyester mesh is bonded with aluminum frame, screen tension must be measured by tensiometer that measures middle area and each corner.



Polyester Mesh

Doyan chooses polyester which is the best resin material for the mesh on aluminum frame. It is rated for excellent biological resistance, good resistance to mineral acids, fair resistance to organic acids. This resin has very good UV resistance as well. Weft or filling threads run at right angles across the width of a fabric, resulting in a square mesh opening. Therefore, aluminum meshed frames are recommended for assemblers where quality is paramount. Superior foil tension is achieved through the use of pre-stretched polyester mesh attached to rigid aluminum frames, which leads consistent repeatability, uncompromising print quality and no foil distortion for dense aperture. As for high temperature resistance, polyester threads are rated for a melting temperature of 257°C (495°F).



Doyan Temperature Test

Resin Type:	Polyester (PET)
Melt temperature:	495°F (257°C)
Max. continuous use:	270°F (132°C)
Max. short term temp:	455°F (235°C)
U / V resistance:	Good

VIP Client's Privilege

FREE SAMPLES

(Doyan offers VIP clients with free samples within 10,000¥ every year)



FREE PACKING DESIGN

(Doyan offers our VIP clients with packing design for free, including outer packing, inner packing and logo)



FREE UPDATING

(Doyan offers our VIP clients with the new products, latest market survey, trends and research)

