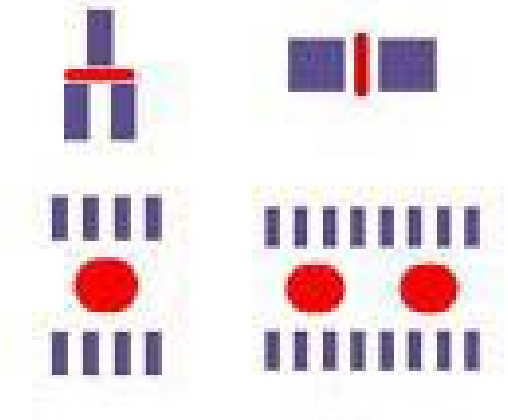
GENSONIC ~ Application Information

Adhesive Removal



Printing of “raised adhesive dots”

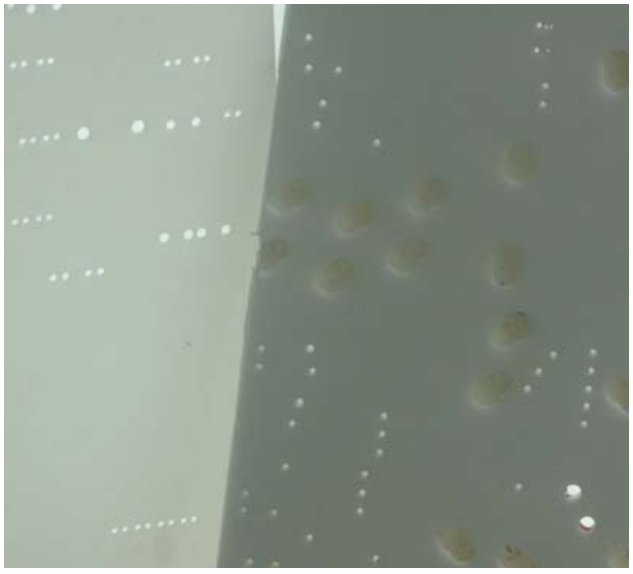
Using Standard Laser Cut Stencils

Typically 200µ ~ 500µ thick

Varidot

Thin Plastic Stencils

1mm thick



Pump Print

Thick Plastic Stencils

3 ~ 10mm thick

Printing with plastic stencils [a Novatec patented technology] generates a better dot height

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Guidance Notes:

Laser cut metal stencils can be cleaned of adhesive in a similar manner to solder paste ~ However the glue will penetrate and stain the foam pad.

The following 9 STEPS cover cleaning plastic stencils but equally apply to cleaning laser cut metal stencils. Use open shallow tray or SCC with foam pad removed

- Selection of cleaning fluid is very important and must be matched to the adhesive.
- Stencil Cleaning Centre have a adhesive cleaning option.

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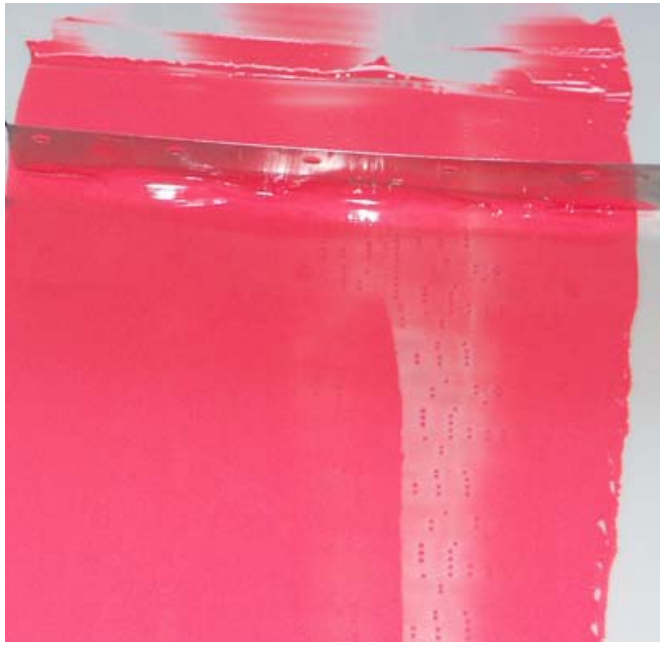
STEP 1 ~ Remove ALL surface excess material with spatula & impregnated wipe cloth



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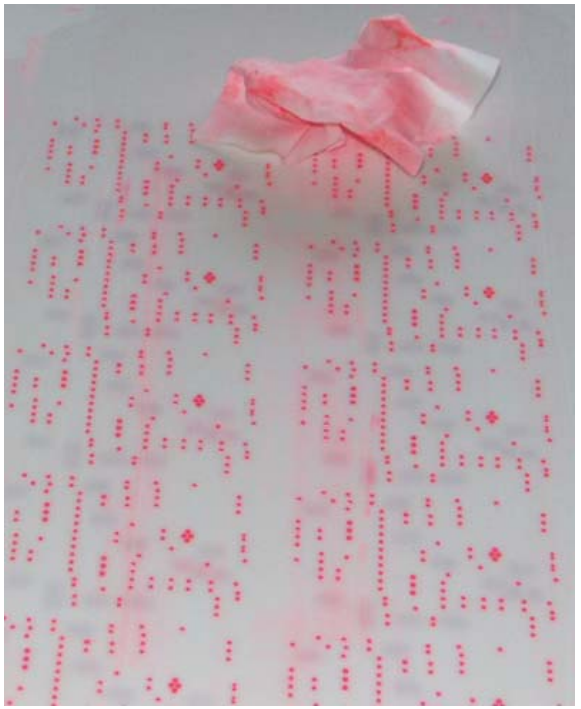

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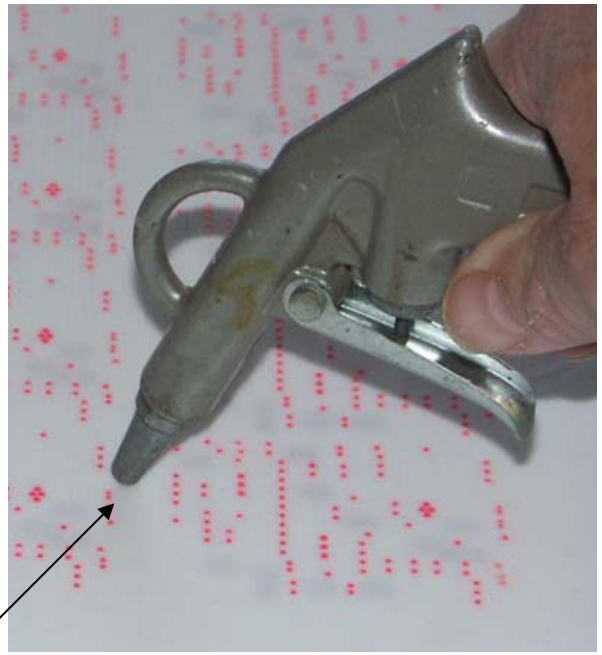
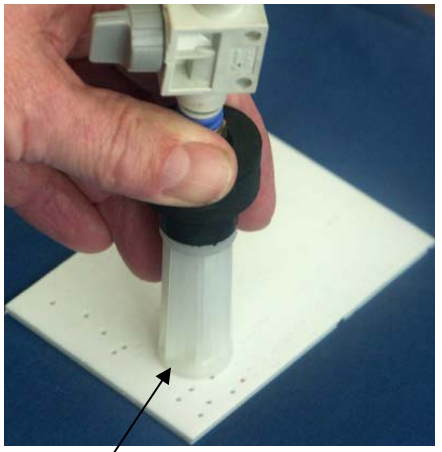
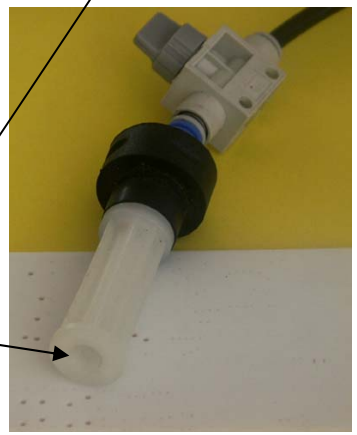
STEP 2 ~ Using Compressed Air - blow through apertures

Support stencil 30mm

Away from USC paper







Use Compressed air gun

or the specially developed Novatec aperture cleaner tool

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STEP 3 ~ Adhesive held in apertures is trapped on paper

Dispose of dirty paper

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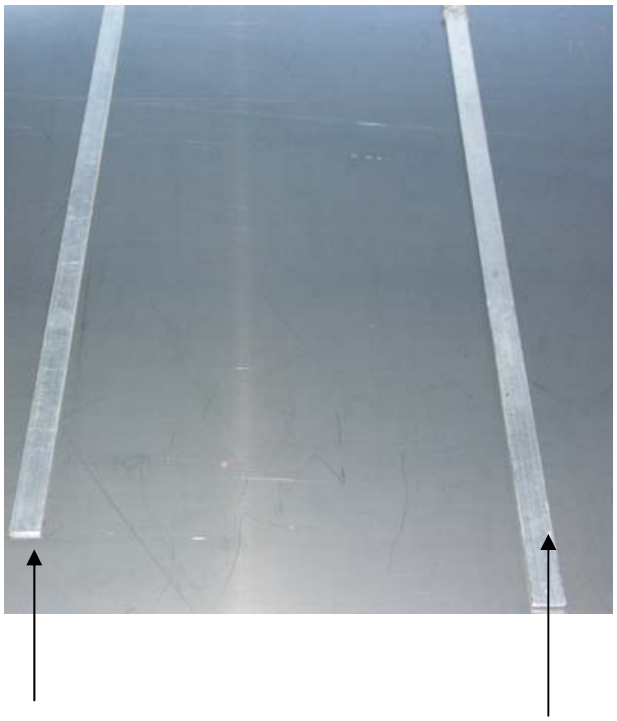
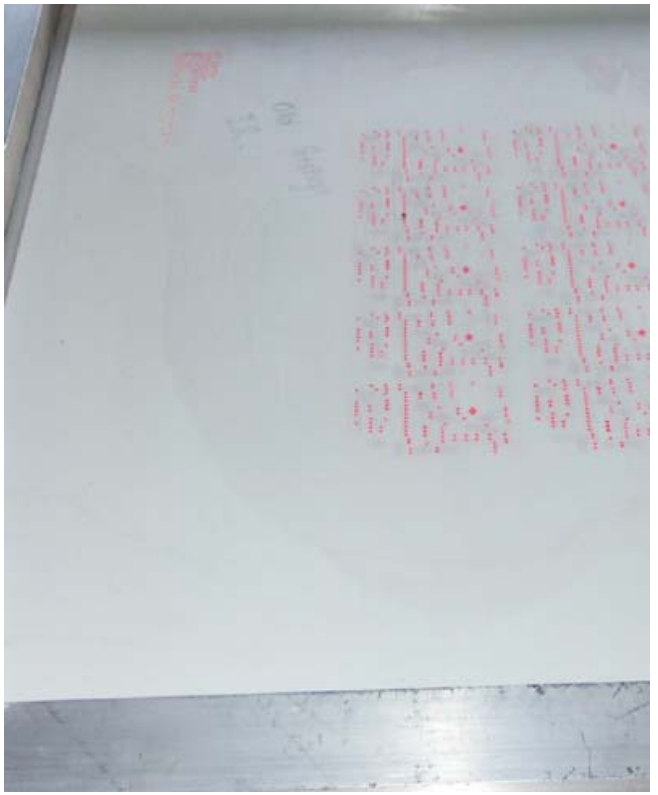
STEP 4 ~ Place 3mm thick stand off strips in cleaning tray



To support outside of image area

STEP 5 ~ Place Stencil on Strips



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STEP 6 ~ Fill cleaning tray so fluid JUST covers stencil

Move transducer gently & slowly over image area

60 ~ 90 second only

STEP 7 ~ Apply transducer

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STEP 8 ~ Leave Stencil Standing in cleaning fluid for 4 minutes

STEP 9 ~ Apply Transducer to apertures until they are clear

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Why 9 STEPS ?

- Airline opens up the cleaning area allowing fluid a greater surface area to contact
- Stand off allows fluid to flow through apertures (mini ultrasonic tank)
- First Ultrasonic cycle ensures fluid penetrates the layer of adhesive
- Soak for 4 minutes helps break down of the adhesive
- Second Ultrasonic cycle removes all trapped material.

Notes:

- Ensure the fluid is matched to the properties of the adhesive
- Only JUST cover surface of stencil

  Do Not Immerse Transducer

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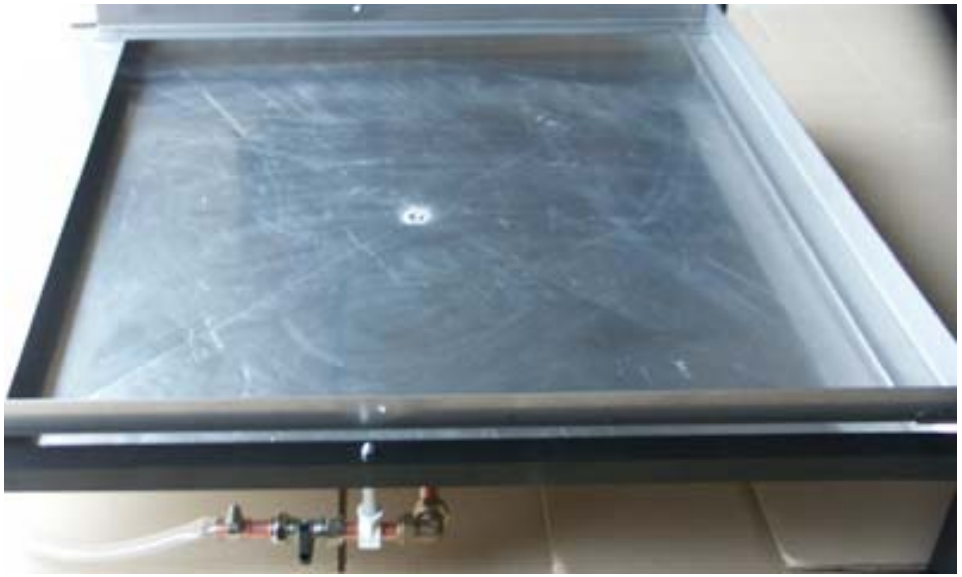
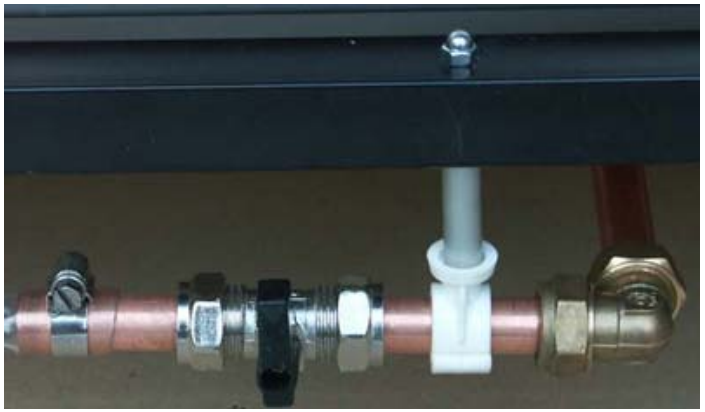
Stencil Cleaning Centre ~ Adhesive Cleaning Options





- 30mm deep tray ~ cross corner creases
- Centre drain point 12mm drain hole
- Drain off pipe work with tap
- 3mm stand off strips (2)