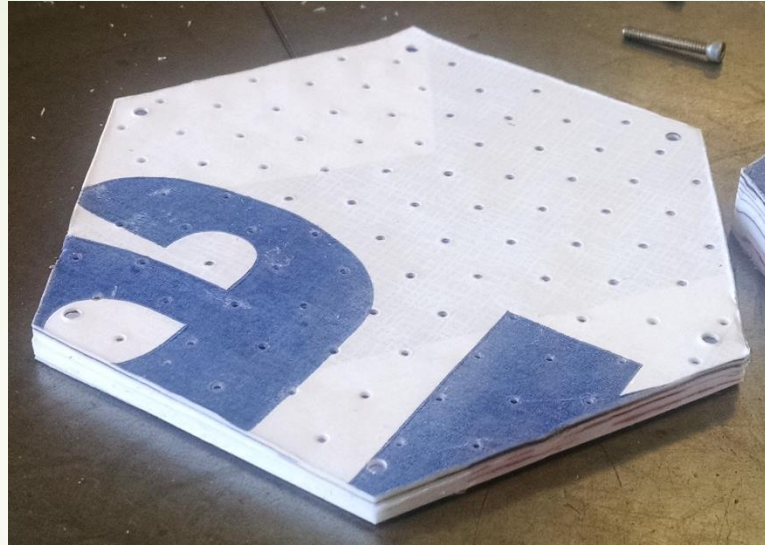


Making Tyvek Sheets for Shashlyk Modules



Vincent Sulkosky

University of Virginia

September 8th, 2016

SoLID EC/DAQ Meeting

Observed Procedure (UVA Machine Shop)

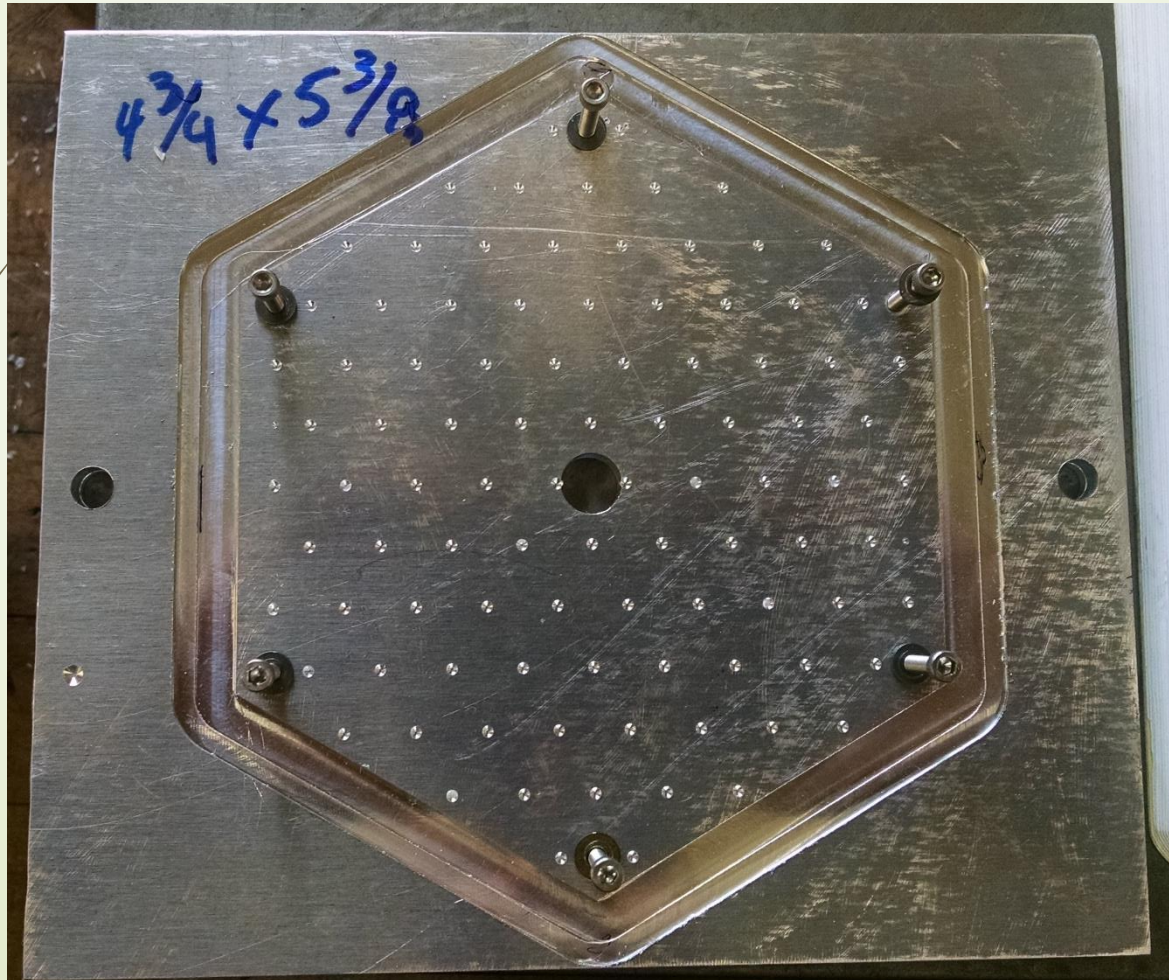
2

1. Cut Tyvek paper to produce $4 \frac{3}{4}'' \times 5 \frac{3}{8}''$ (12 cm \times 13.6 cm) sheets.
2. Separate paper sheets into manageable sections ($\sim 0.5''$ or 1.3 cm) 100 sheets.
3. Prepare Plexiglass plate, $\frac{1}{8}''$ thick (3 mm).
4. Drill hole pattern through Plexiglass plate.
5. Drill hole pattern through paper.
6. Cut out hexagon shape (Plexiglass + paper).
7. Clean off edges of newly cut hexagon Tyvek sheets.

Mounting and Drilling Plate

3

Size of plate: $5 \frac{3}{4}'' \times 6 \frac{3}{4}''$ (14.6 cm \times 17.15 cm)



Programmable Drilling Machine

4



Paper Preparation

5



Paper Preparation

6



Paper Preparation

7



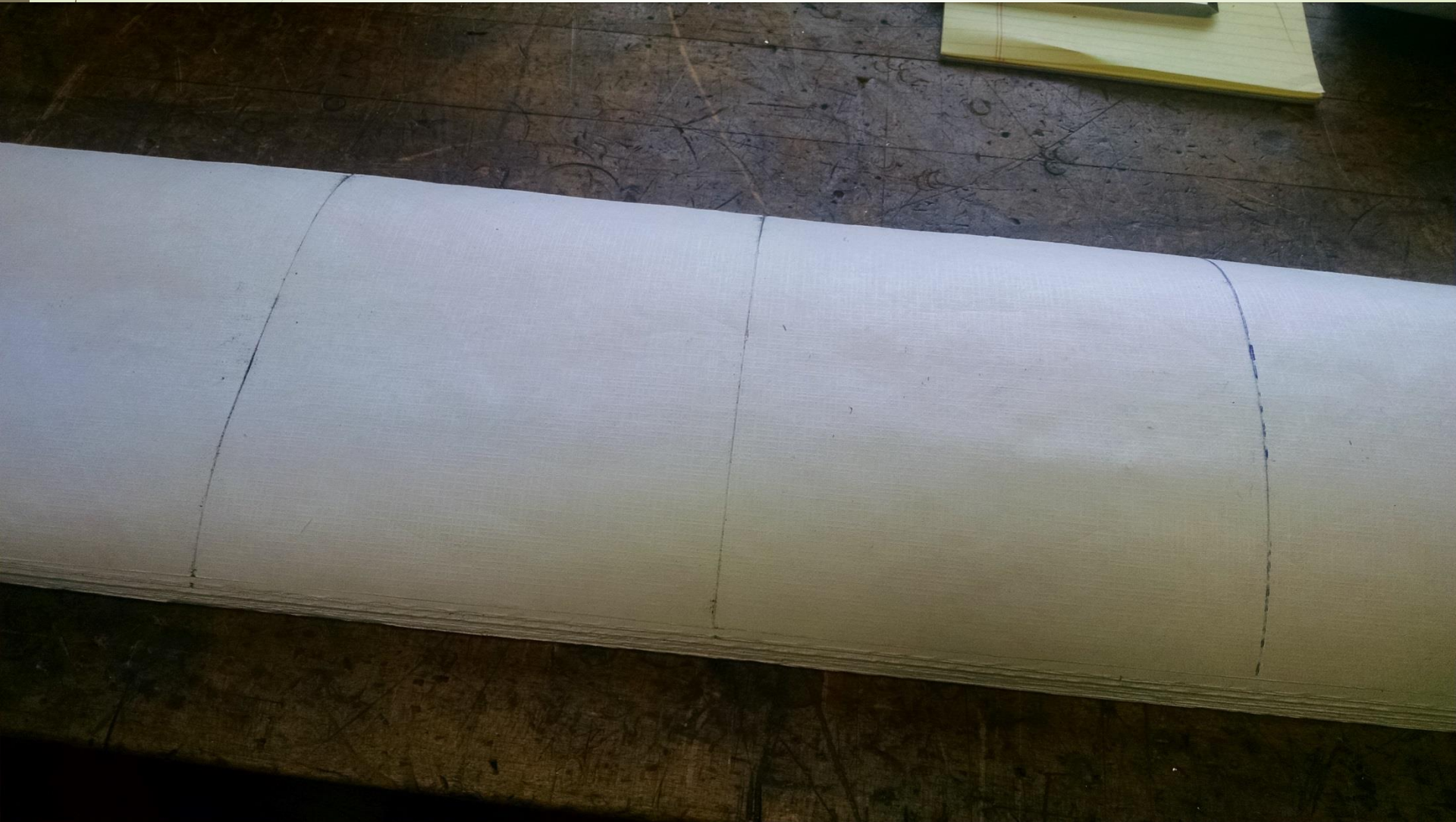
Paper Preparation

8



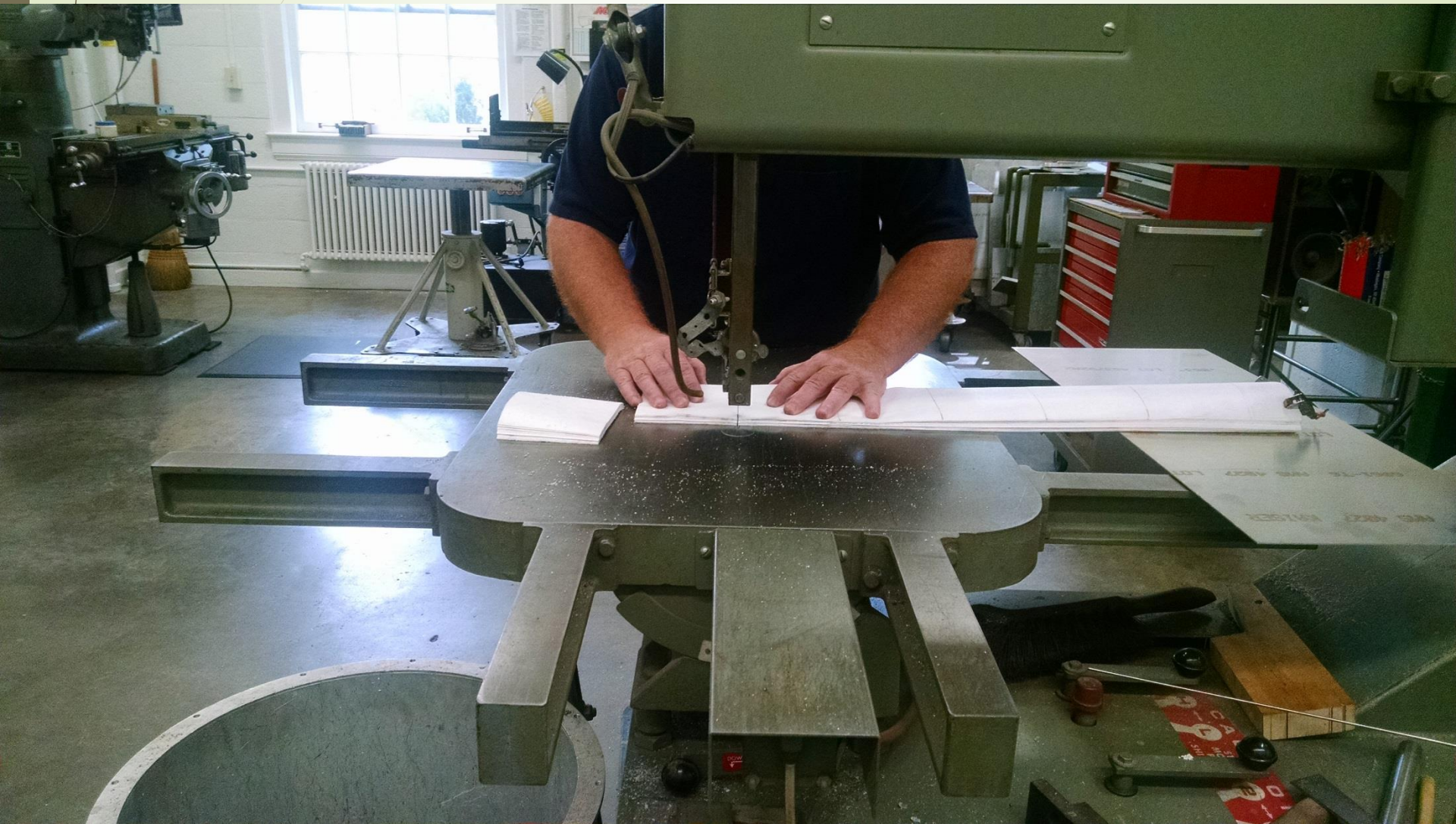
Paper Preparation

9



Paper Preparation

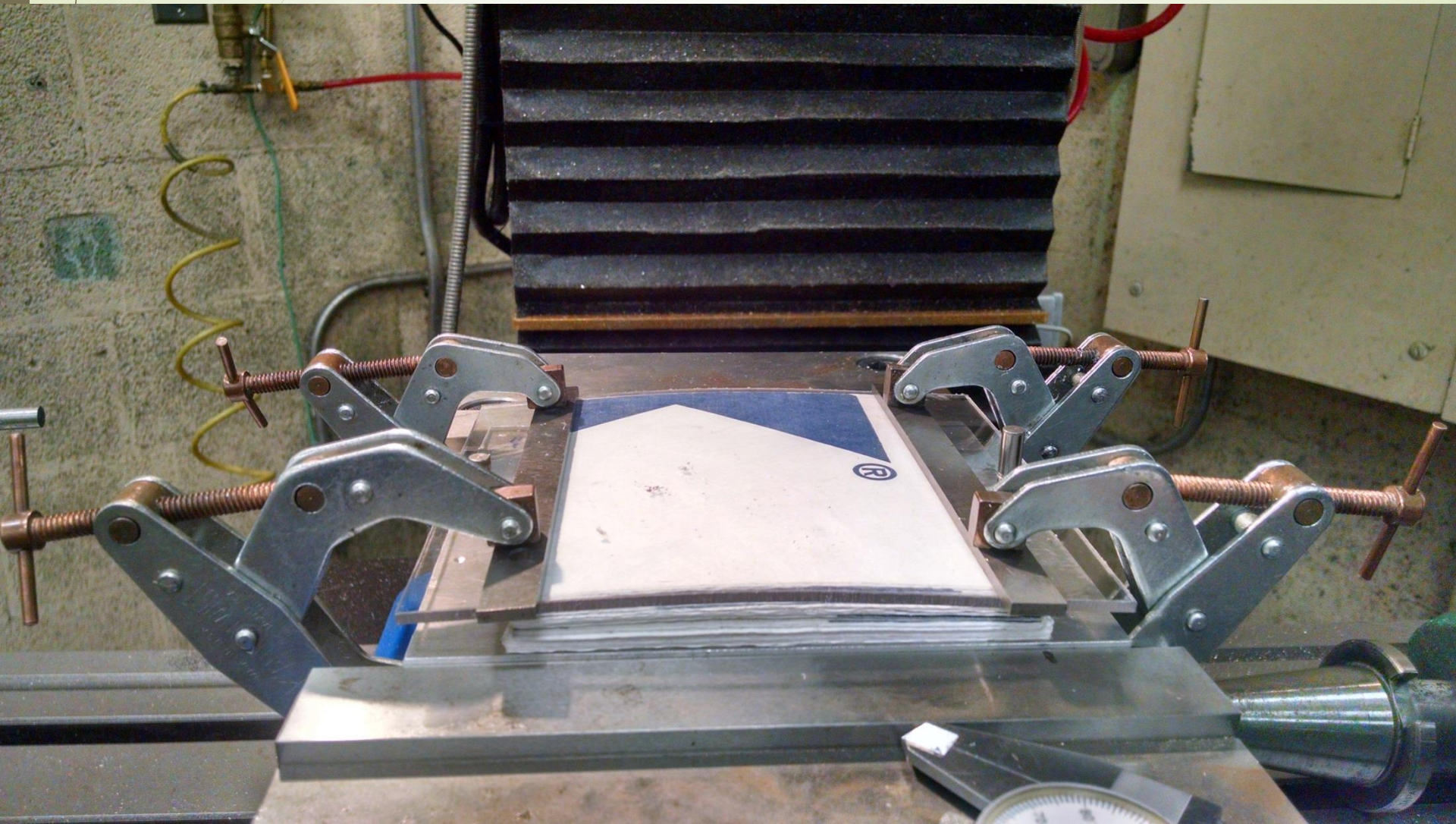
10



Prepare Plexiglass

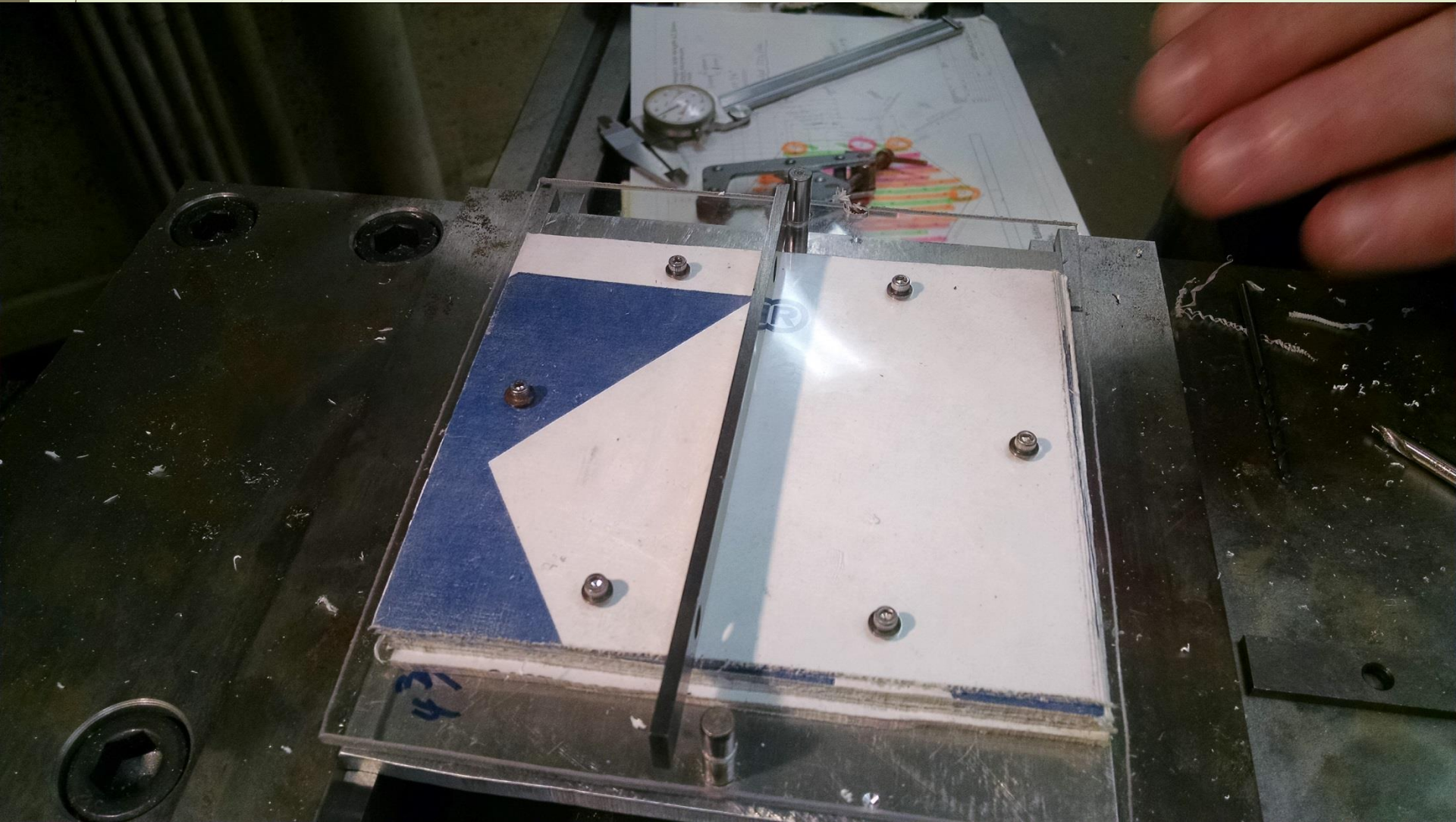
11

Size of Plexiglass: $5 \frac{3}{4}'' \times 6 \frac{3}{4}''$ (14.6 cm \times 17.15 cm)



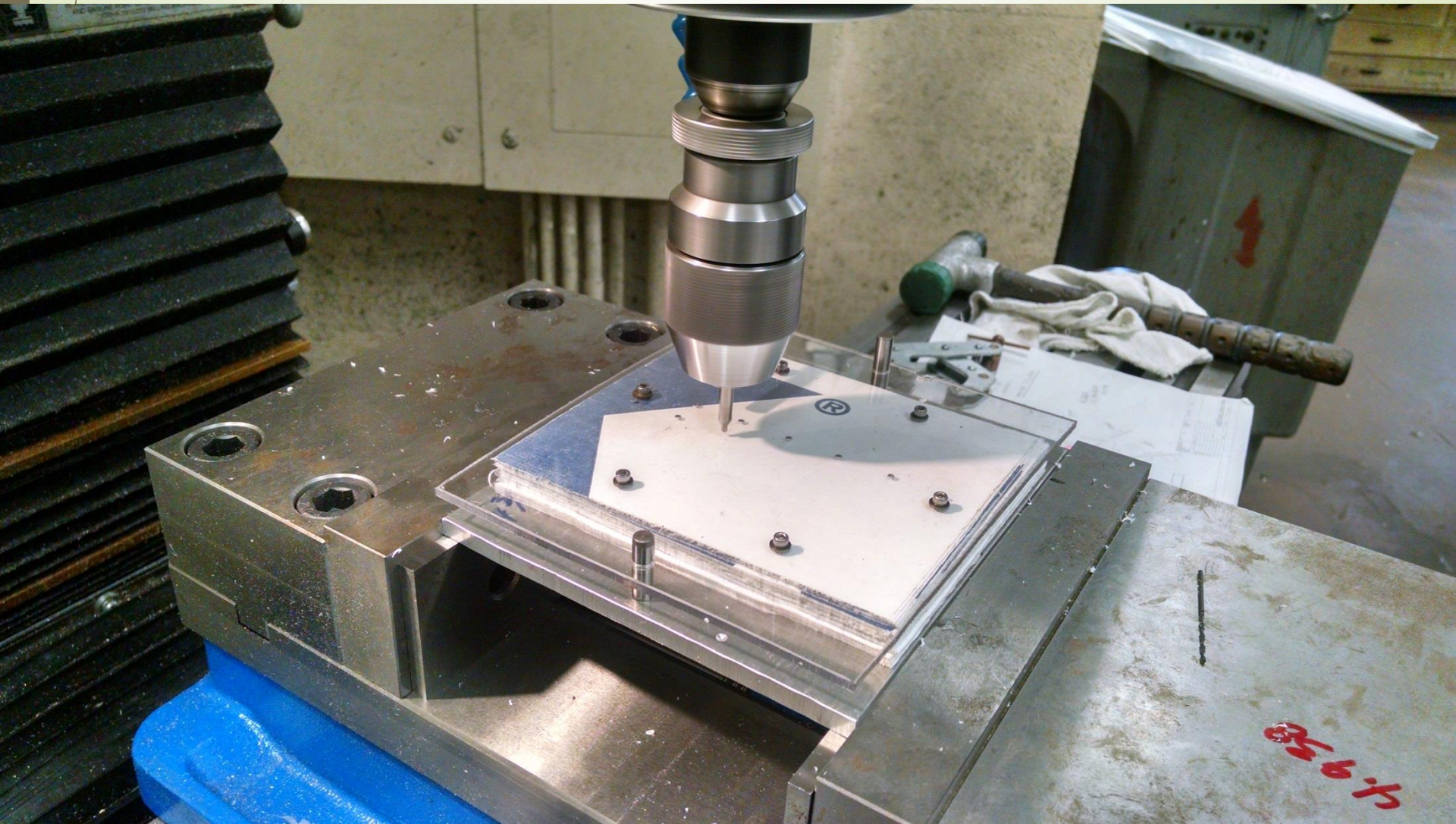
Prepare Plexiglass

12



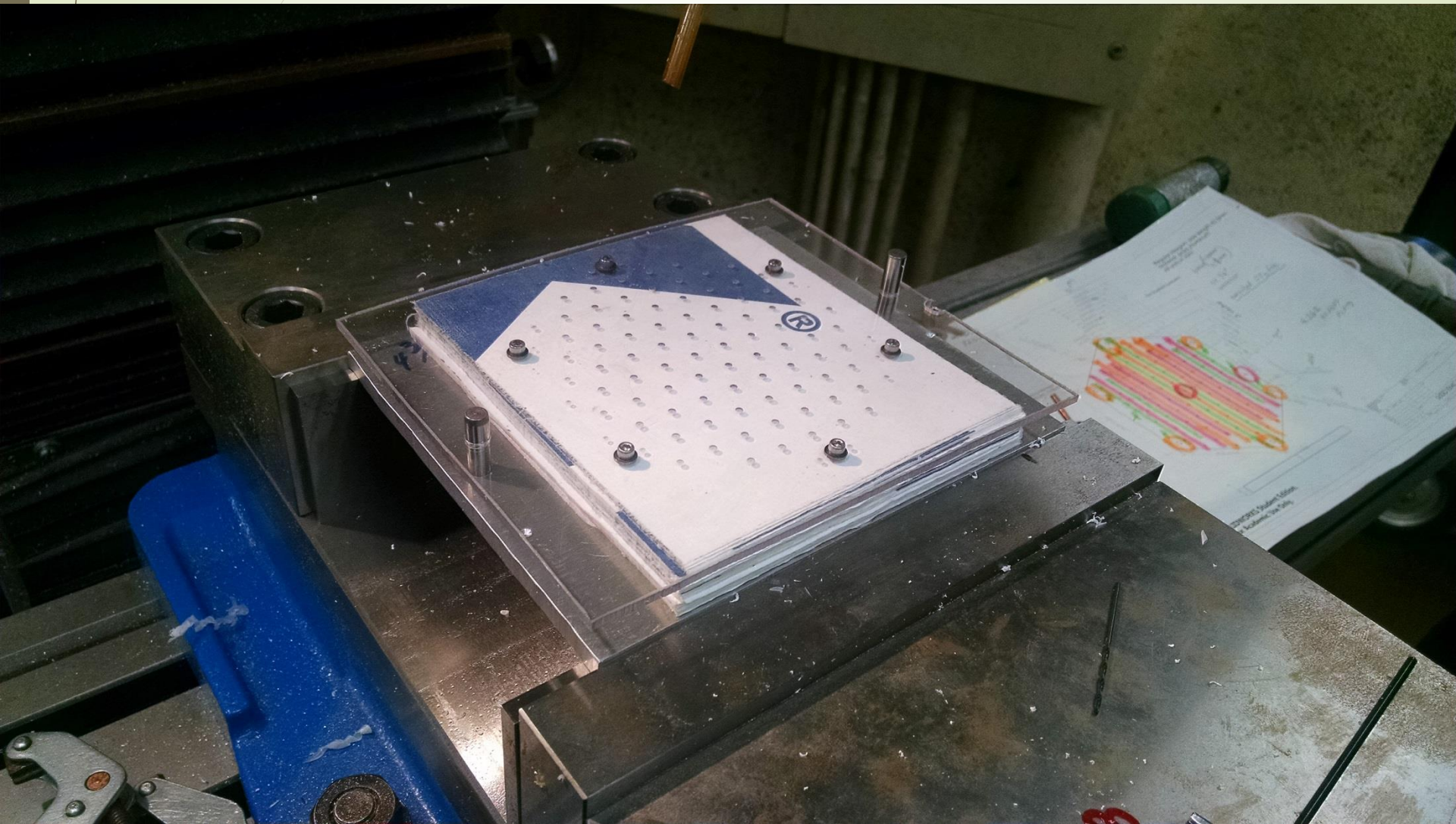
Drill Plexiglass

13



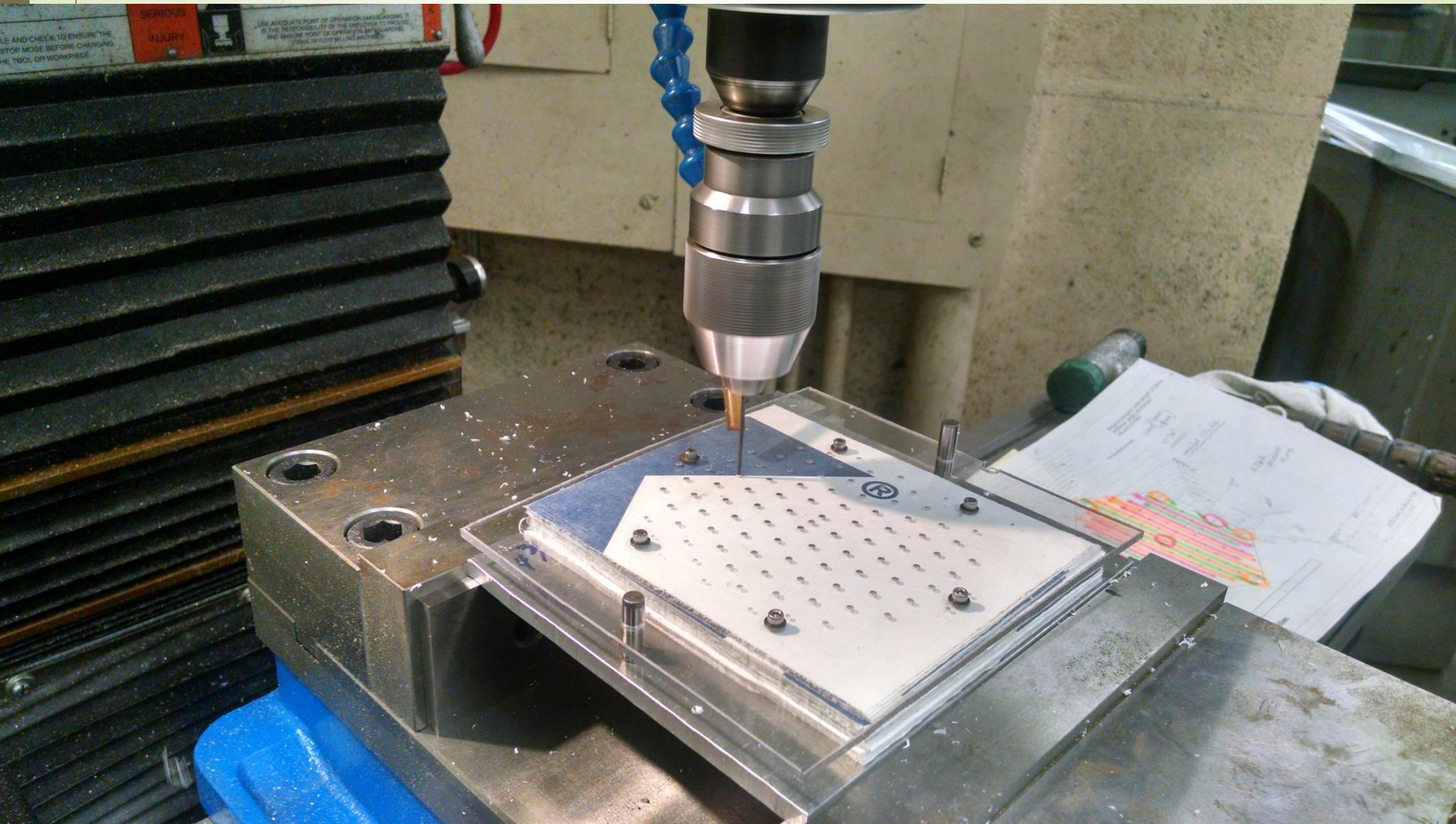
Drill Plexiglass

14



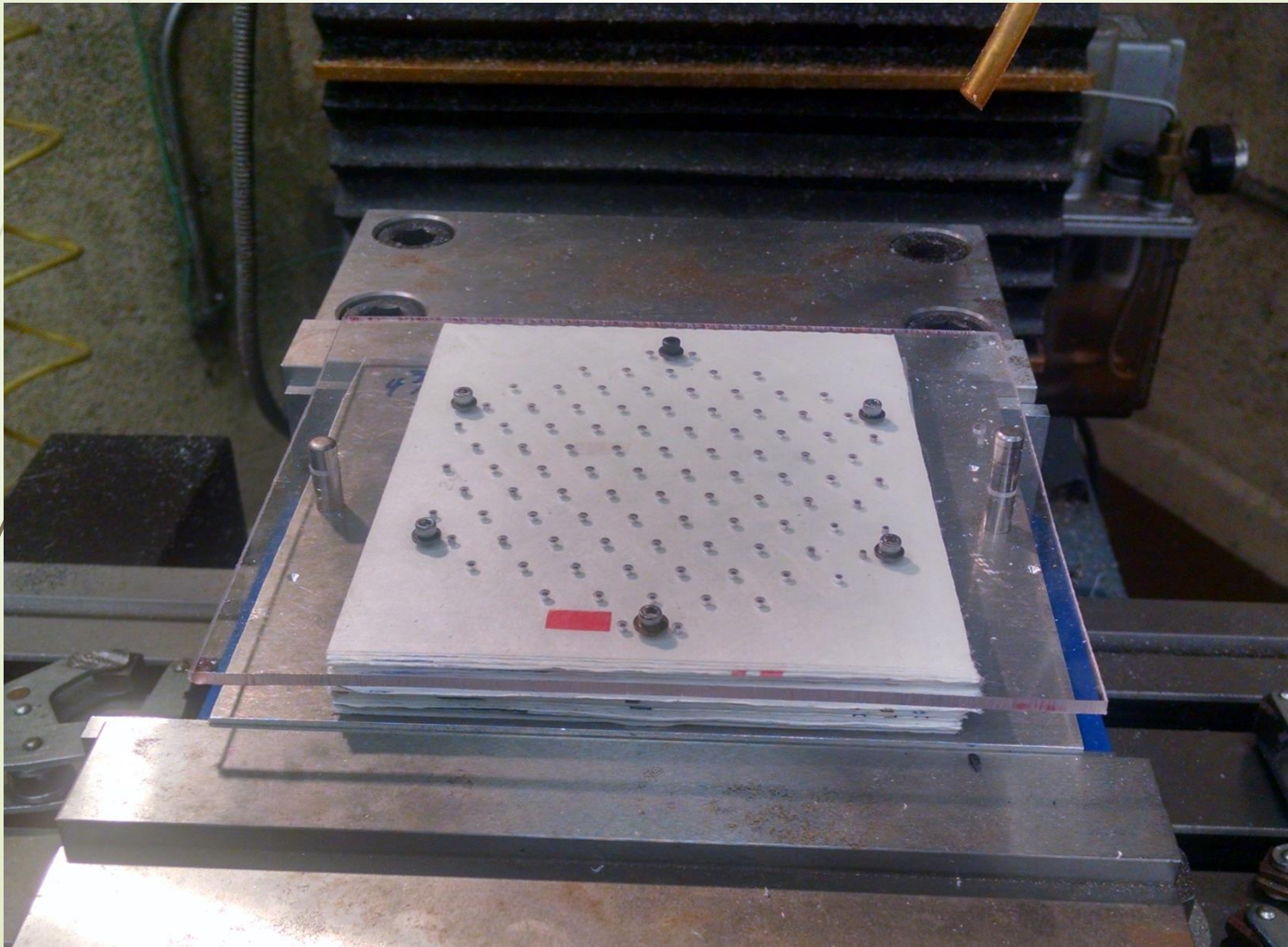
Drill Paper

15



Drilling of Paper Complete

16



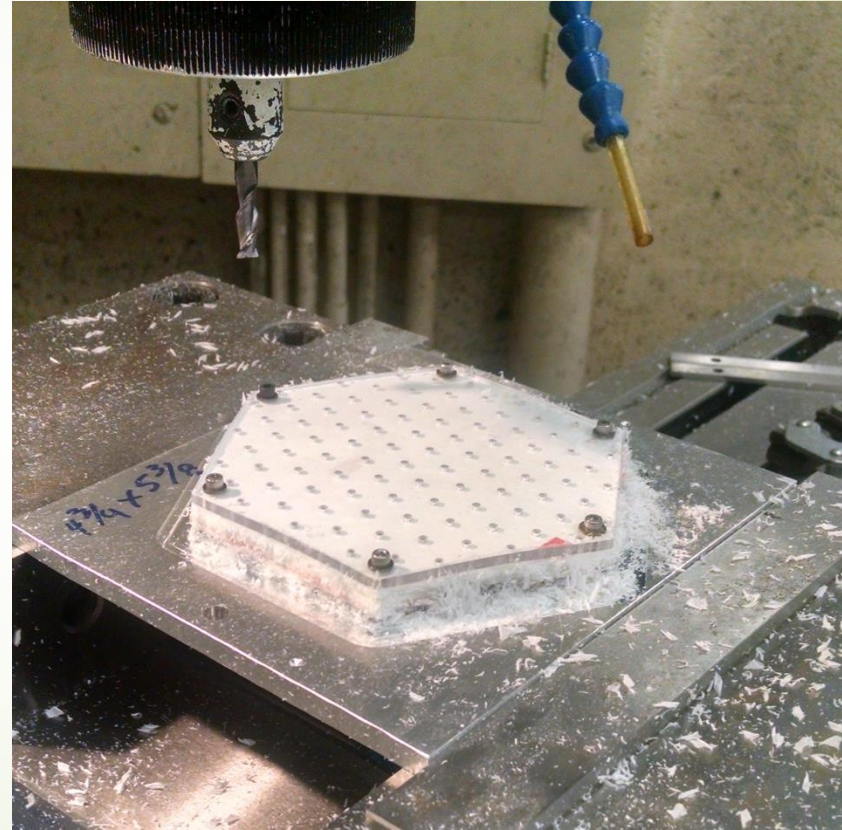
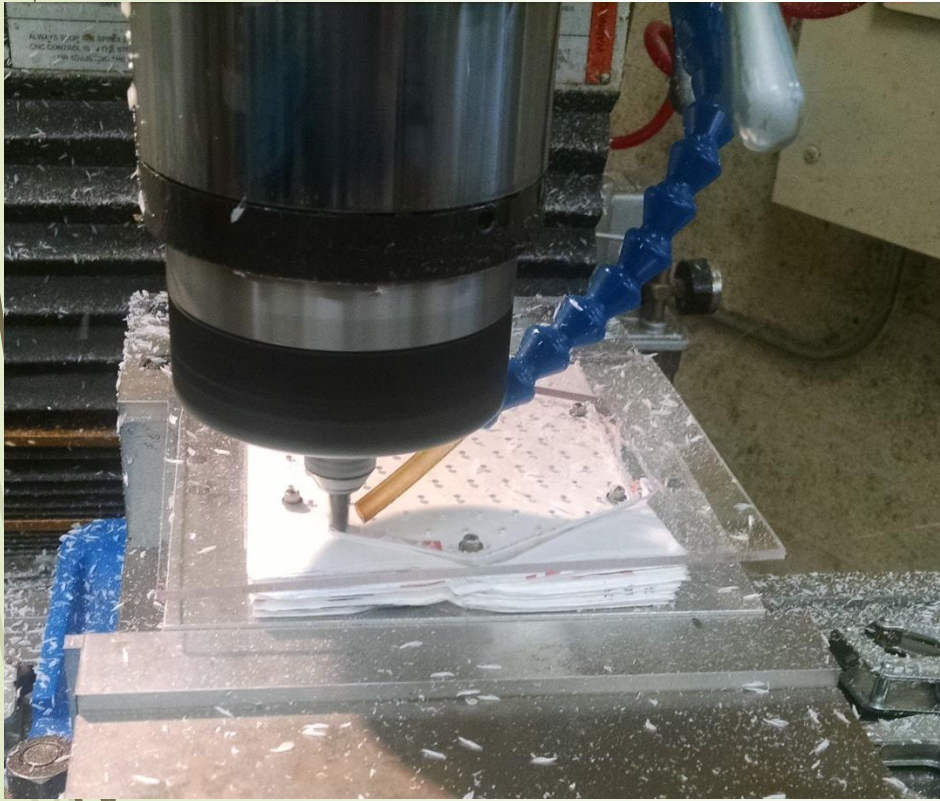
Cut out Hexagon

17



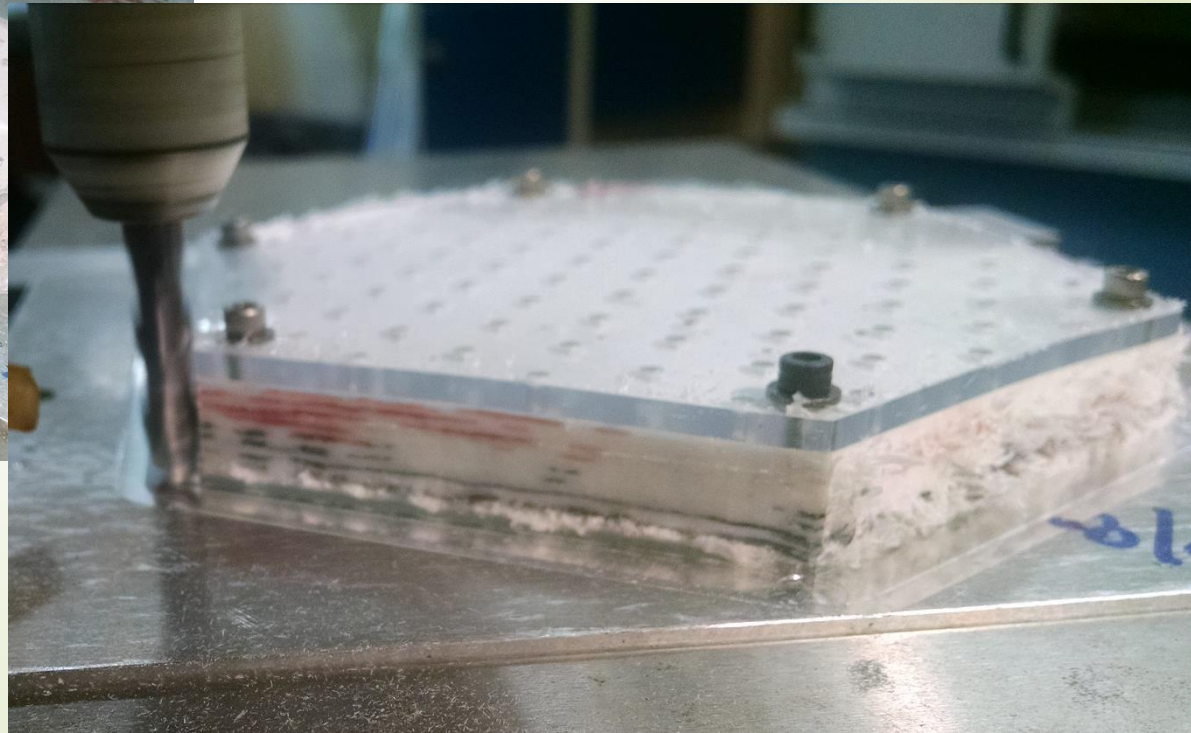
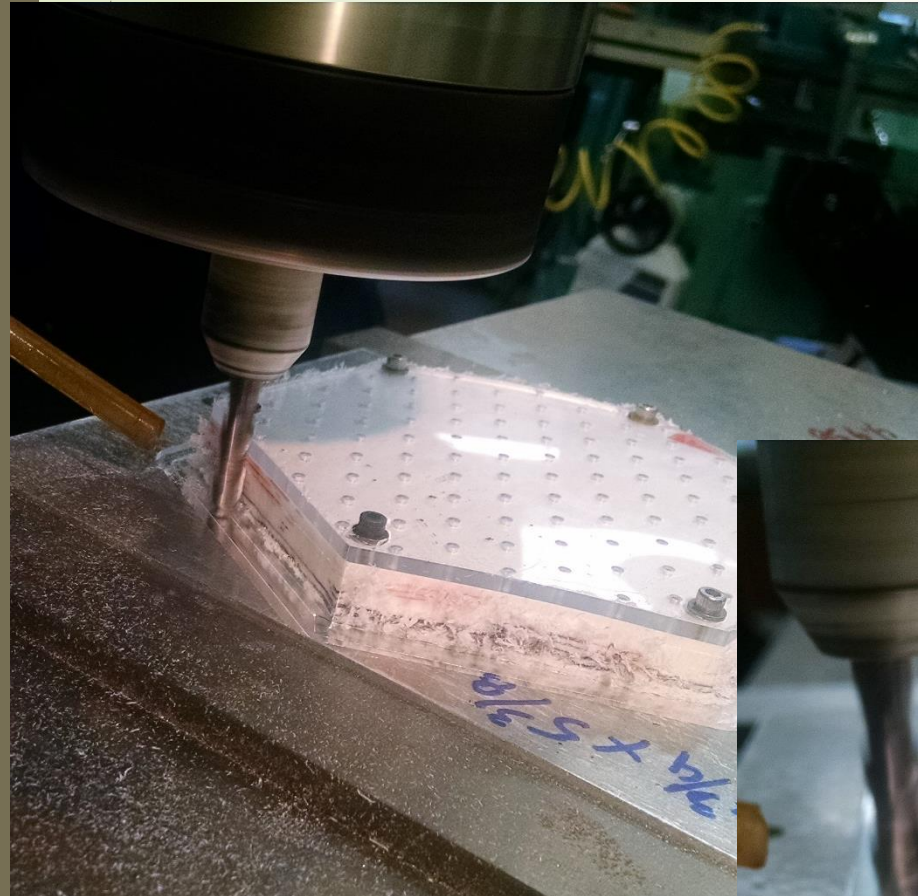
Cut out Hexagon

18



Clean Edges

19



Completed Sheets

20

Used Plexiglass

