

ADT Dicing Saw Operation

Overview

This procedure covers the configuration and operation of the ADT Dicing Saw.

Restrictions & Precautions

- Always wear gloves when operating working in the dicing lab as there is the potential for arsenic exposure.
- Never put your hands near moving parts especially the blade.
- Always open the spindle cover from the top.

Operation

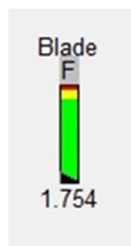
Install Your Blade and Flange

1. For proper blade selection, reference the table posted in the dicing room or on the Wiki. Proper flange selection (using standard blades) is based on the thickness of the material being cut:
 - $<700\ \mu\text{m} = 53\ \text{mm}$ flange
 - $700\ \mu\text{m} - 1.2\ \text{mm} = 52\ \text{mm}$ flange
 - $1.2 - 1.7\ \text{mm} = 51\ \text{mm}$ flange
 - $1.7 - 2.7 = 49\ \text{mm}$ flange
 - $2.7 - 3.7 = 47\ \text{mm}$ flange

2. Select the flange you require; it should be separated into two pieces. Place the back of the flange one the table and load your blade on to it using tweezers. Place the other half of the flange on top and press down firmly on the outer diameter (not on the blade), the flange assembly should snap together.

NOTE: If the flange is not in 2 pieces, get the flange separation tool (black disk with 3 pins) and insert it into the back of the flange lining up the 3 pins on the tool with the three holes on the flange. Set them down on the table with the tool on the bottom. Now press down on the inner diameter of the hub to separate the flange.

3. Login in to the tool with your username/password.
4. Look at the light tower on the tool, is the yellow light solid or flashing? If it is solid, proceed to the next step. If it is flashing:
 - a) Right click on the 'Blade' icon in the lower left corner of the screen and select 'Blade Info'



- b) Click 'Cancel' in the window that appears. The light tower should be solid yellow now.