General Setup:

- Familiarize yourself with the specific modules and what materials they can cut and/or process (see backside).

- The Zund will read the layers in your file. Separate your linework onto different layers:
  - **Score**: Light marking cuts, not all the way through
  - **Cut**: Through cut on your material
  - **Outline**: Your material boundary
  - **Register**: Registration marks if lining up a print out

- Get rid of overlapping/duplicate lines and make sure your lines are joined together.

- Leave a 1/4” border around the edge of your material. This is to ensure accuracy even if your material is not square.

- Smartly layout your materials. Nest your geometry to save space, but leave at least 1/4” space between your pieces.

- For all operations, tight radii can cause issues, either tearing material in drag knife operations, or being too small for endmills to access.

- If you are at all unsure about physical set up or machine settings, please consult a shop monitor or staff member.

Consumables:

The SoA will provide a basic stock of consumables, e.g., those below. Please consult with staff or monitors to replace installed consumables and tools. If you need something other than provided stock, please speak with shop staff.

**Type 6**
This is the standard in the **EOT and UCT**
Good for all materials under 1/2” thick

**Z73**
This is the standard in the **VCT**
Good for v cuts and bevels

**Z 21**
This is a specialty blade for the **EOT**
Used only for 1/2” foamboard, Corrugated cardboard and twin wall sheets

**Z 10**
This is a specialty blade for the **UCT**
Used only when cutting multiple sheets of thick museum board and chipboard

**Pen**
This is the standard in the **UDT**
Multiple colors available

**R206**
This is the standard in the **RM-A**
We have 1 for a test cut, but you must supply your own for a full project

* A Type 6 will be the default installed in both the EOT and UCT.
* If you require a specialty blade to be installed you must ask a monitor or technician.
**Modules:**

- **UDT** Universal Drawing Tool
  Drawing with pen inserts
- **UCT** Universal Cutting Tool
  Drag knife cutting
- **VCT** V-Cutting Tool
- **KCT** Kiss Cutting Tool
- **CCT** Crease Cutting Tool
- **EOT** Electric Oscillating Tool
  Drag knife cutting
- **RM-A** Routing Module

**Example Materials**

- **UDT**
  - Paper
  - Vinyl
- **UCT**
  - Paper
  - Vinyl
- **VCT**
  - Foamcore
  - Corrugated Cardboard
- **KCT**
  - Leather
  - Rubber
- **CCT**
  - Leather
  - Fabric
- **EOT**
  - Fabric
  - Felt
- **RM-A**
  - Fabric
  - Felt

**Materials:**

- Paper
- Vinyl
- Leather
- Rubber
- Fabric
- Felt
- Foamcore
- Corrugated Cardboard
- Cardboard
- Matboard
- Twin Wall Sheets
- Twin Wall Sheets
- Rubber
- Thin Aluminum

*Use of the RMA tool requires prior training*

**Please note that while the Zünd may be capable of routing wood products, we have a dedicated CNC mill for processing materials that generate a lot of fine particulates.**

The Zünd is a very powerful tool and is capable of processing the above and much more. Please consult with shop staff about trying anything not listed here and why certain tools should be used for certain materials.

**Machines shut down 15mins before closing for cleaning**

**Please plan ahead**