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

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

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

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 | UCT | VCT | KCT | CTT | EOT | RMA |

Materials:

Modules	Example Materials
UDT **Universal Drawing Tool** Drawing with pen inserts	• Paper • Leather • Fabric • Vinyl • Rubber • Felt
UCT **Universal Cutting Tool** Drag knife cutting	• Paper • Leather • Fabric • Vinyl • Rubber • Felt
VCT **V-Cutting Tool**	• Foamcore • Cardboard • Twin Wall Sheets • Corrugated Cardboard • Matboard
KCT **Kiss Cutting Tool**	• Vinyl • Films • Cardboard
CCT **Crease Cutting Tool**	• Cardboard • Corrugated Cardboard
EOT **Electric Oscillating Tool** Drag knife cutting	• Foamcore • Cardboard • Twin Wall Sheets • Corrugated Cardboard • Foam • Rubber
RM-A **Routing Module**	• Plastics • 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

Zünd Guidelines