

# **MISTRAL INSTALLATION ADVICE**

## **(6) SHAPING AND EDGE PROFILING**

### **General Advice**

#### **Safety**

- Use appropriate safety equipment while performing any shaping or edge profiling tasks.
- Always use effective extraction to remove debris from the working environment.

#### **Tooling**

- Ensure that the router bits you use are sharp and chip-free.
- Ensure that the bearings on the router are sound to prevent router chatter.
- Check that the jig you are using is completely smooth and damage free.

#### **Performing the Operation**

- Check measurements repeatedly to avoid costly and time-consuming errors.
- Always allow slow or soft start tools to obtain full speed before beginning the cut.
- Perform the operation at a constant pace, in line with the recommendations of the router bit manufacturer.
- Use speed-cramps to hold the worktop in place whilst performing routing operations.
- Ensure all pieces, including offcuts, are adequately supported.
- Always use a router to create a finished edge.
- The smoother the face that the profiler bearing runs on the better they travel and the better the end result.

#### **Shaping**

- Place your jig on the worktop, secure it with clamps and then mark its position.
- Mark the outline of your shape by running an offset scribe pencil (e.g. Trend M/KWS01) around the jig.
- Use a jigsaw to remove the excess material following the outside of the pencil line, leaving a small amount to be trimmed with a router to give the final finish.
- Replace the jig on the worktop and securely clamp it in place.

- Use a router and trim the remainder of the excess material so that you are left with a smooth finished shape.
- The shape is then ready to be profiled and finished to the customers' specifications.

### **Edge Profiling**

- Ensure that if the face adjacent to the edge that requires profiling has been machined, a router has been used to create the finished edge.
- For simpler profile designs such as a 6mm radius, you will need the smooth finish as the profiler bearing will run on the face of the worktop and any imperfections will be transferred to the profile.
- In the cases of these simpler profile designs, a small profiling router will be sufficient as it will offer greater agility.
- Run the router along the edges that require profiling, keeping a steady and constant pace.
- If the design is more complex such as an ogee profile, you may need to run the router against a guide or jig, depending on the configuration of the router bit required to create the profile.
- Place the jig or guide on the worktop surface and secure it with clamps.
- For this type of profile use the same router that you use to trim and the worktops as these complex shapes need more power than the profiler has.
- Once you have profiled all edges as required, finish them to the same level as the worktop surface.

