



**Professional  
Bird's Mouth  
Routers Cutters  
10/50  
10/51**



INST/10/50 v2.0

**trend**<sup>®</sup>  
tool technology

Please  
read carefully  
before use

**PROFESSIONAL BIRD'S MOUTH  
ROUTER CUTTERS  
REF. 10/50 & 10/51**

Thank you for purchasing this Trend product which should give lasting performance if use in accordance with these instructions.

The following symbols are used throughout these instructions.



Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions.



Refer to the instructions manual of your power tool.

This cutter must not be put into service until it has been established that the power tool to be connected to this unit is in compliance with 2006/42/EC (identified by the CE marking on the power tool) or UK Statutory Instruments 2008 No. 1597 – The Supply of Machinery (Safety) Regulation (identified by UKCA marking on the power tool).

**INTENDED USE**

These cutters are intended to be used in a router with a suitable size collet fitted with a router table, to make a bird's mouth profile in timber and wood-based products.

6, 8 or 12-sided assemblies can be made with the corresponding router cutter.

The workpiece material should be flat for accurate results. Tapered-sided assemblies can be made by simply making tapered

components, prior to machining.

Maximum thickness of material possible:

Ref.10/50 for 6-sided assembly: 20mm

Ref.10/50 for 12-sided assembly: 12mm

Ref.10/51 for 8-sided assembly: 20mm

**SAFETY**

Please read and understand the safety points at end of these instructions as well as the power tool instructions before use.

PLEASE KEEP THESE INSTRUCTIONS IN A SAFE PLACE.

The attention of UK users is drawn to The Provision and Use of Work Equipment Regulations 1998, and any subsequent amendments.

Users should also read the HSE/HSC Safe Use of Woodworking Machinery Approved Code of Practice and Guidance Document and any amendments.

Users must be competent in using woodworking equipment before using our products.

Ensure working position is comfortable and component is clamped securely. Please keep children and visitors away from tools and work area. All tools have a residual risk, so must therefore be handled with caution.

Attention should be made to the HSE's Safe Use of Vertical Spindle Moulding machines Information Sheet No. 18 and any revisions.

**ITEMS REQUIRED**

- Router with suitable collet fitted.
- Router table/overhead stand.

- Wood glue.
- Pencil.
- Hand tools.
- Sticky tape.
- Workholder or pushblock.

**OPERATION**



These instructions show how bird's mouth profiles can be routed with the Ref. 10/50 or 10/51 cutters, used in a table-mounted router plus a few hand tools. An overhead router could also be used, but the feed direction should be checked.

Carefully remove the protective wax from the cutter and dispose. Insert the cutter shank into the collet all the way to the marked line indicated on the shank. This ensures at least 3/4 of the shank length is held in the collet.



**Recommended speed 20,000 rpm.**



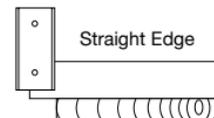
**Regularly check knobs, handles and locking nuts are tight.**



**Consider working environment before using tools. Keep proper footing and balance at all times.**

**Selecting Timber**

Use flat material for accurate results when machining. Material that is cupped will be difficult to machine accurately.



**Table Set-up & Relationship to Cutter**

Set-up the selected cutter according to the corresponding diagrams. Set height of cutter and backfence position accordingly. Use an additional false-fence mounted on the backfence for improved safety.

Diagrams are intended to show how the assembly forms as a result of the machining. Components should all be machined before gluing together.

**ENVIRONMENTAL PROTECTION**

**Recycle raw materials instead of disposing as waste.**

Packaging should be sorted for environmental-friendly recycling. The product and its accessories at the end of its life should be sorted for environmental-friendly recycling.

**WARRANTY**

The cutter carries a manufacturer's warranty in accordance with the conditions on our website [www.trend-uk.com](http://www.trend-uk.com)

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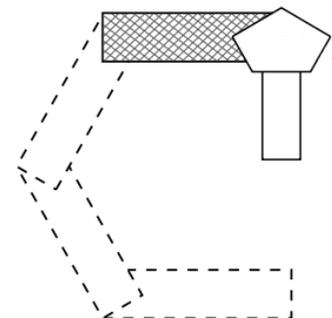
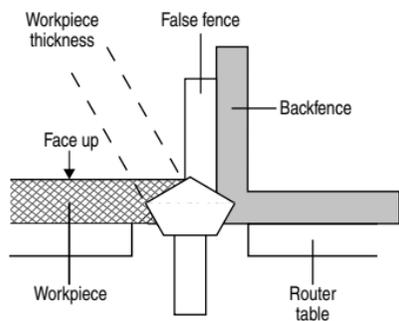


PTO

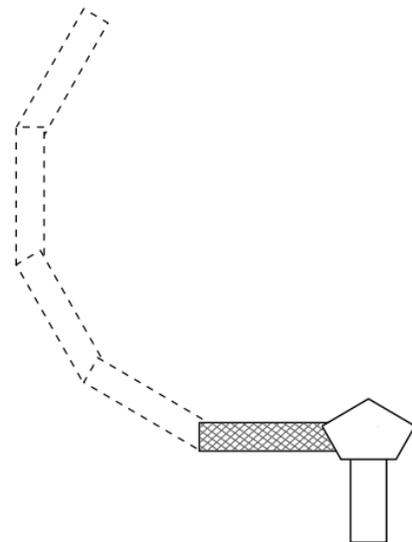
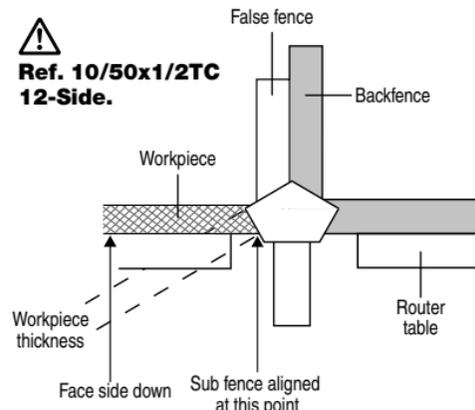




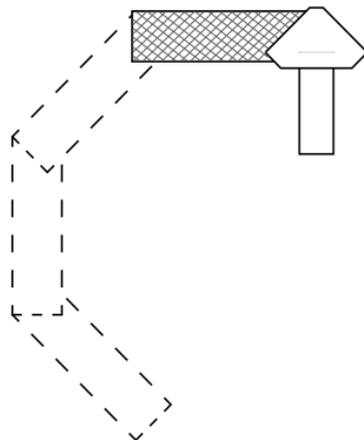
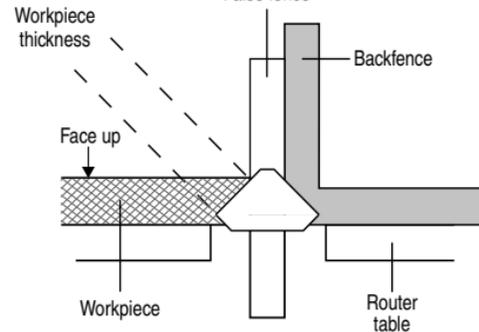
### Ref. 10/50x1/2TC 6-Side.



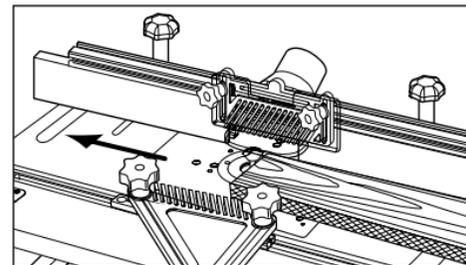
### Ref. 10/50x1/2TC 12-Side.



### Ref. 10/51 8-Side.



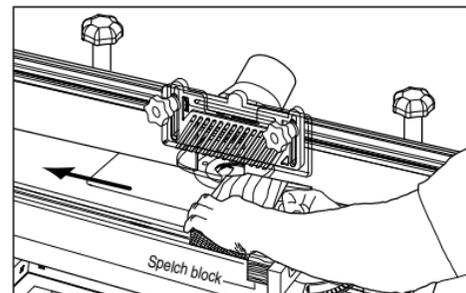
### Routing the Workpiece (with Grain)



### Routing the Workpiece (Across the Grain & Narrow Workpieces)

A mitre fence or component-holding jig should be used when routing smaller workpieces. Keep hands a safe distance away from the cutter whilst in use and fit safety guard to table.

If routing across the grain of natural timber, use a splch block fitted to a mitre-fence or Ref. PUSHBLOCK/4 to avoid break-out.



### Fitting a Base to the Assembly

A base can be fitted to the assembly to transform it into a container.

In order to do this, a suitable groove should be routed near the bottom of the insides of the components, before gluing the assembly together.

The base can be rebated for an improved appearance.

### MAINTENANCE

Please use only Trend original spare parts and accessories.

Continual satisfactory operation depends upon proper tool care and regular cleaning.

### Cleaning

- Ensure clamping surfaces are cleaned to remove dirt, grease, oil and water.
- Remove resin build-up regularly.
- Apply a rust protector to shanks.

### Lubrication

- Use a PTFE dry lubricant spray on tool to increase cutting edge life.

### Storage

- Always return cutter to its packaging after use.

### Safety Points

1. Disconnect power tool attachment from power supply when not in use, before servicing, when making adjustments and when changing accessories such as cutters. Ensure switch is in "off" position and cutter has stopped rotating.
  2. Read and understand instructions supplied with power tool, attachment and cutter.
  3. Current Personal Protective Equipment (PPE) for eye, ear and respiratory protection must be worn. Keep hands, hair and clothes clear of the cutter.
  4. Before each use check cutter is sharp and free from damage. Do not use if cutter is dull, broken or cracked or if any damage is noticeable or suspected. Only use tools for woodworking to EN847 safety standard. Ensure cutting tool is suitable for application.
  5. The maximum speed (n<sub>max</sub>) marked on tool or in instructions or on packaging shall not be exceeded. Where stated, the speed range should be adhered to.
  6. Insert the shank into the router collet at least all the way to the marked line indicated on the shank. This ensures at least 3/4 of the shank length is held in collet. Ensure clamping surfaces are clean.
  7. Check all fixing and fastening nuts, bolts and screws on power tool, attachment and cutting tools are correctly assembled, tight and to correct torque setting before use.
  8. Ensure all visors, guards and dust extraction is fitted.
  9. The direction of routing must always be opposite to the cutter's direction of rotation.
  10. Do not switch power tool on with the cutter touching the workpiece.
  11. Trial cuts should be made in waste material before starting any project.
  12. Repair of tools is only allowed according to tool manufacturers instructions.
  13. Do not take deep cuts in one pass, take shallow passes to reduce the side load applied to the cutter.
  14. User must be competent in using woodworking equipment before using our products. Dress properly, no loose clothing/jewellery, wear protective hair covering for long hair.
  15. Consider working environment before using tools. Ensure working position is comfortable and component is clamped securely. Keep proper footing and balance at all times. Check work area for obstructions. Keep control of power tool at all times.
  16. Please keep children and visitors away from tools and work area.
  17. All tools have a residual risk so must therefore be handled with caution.
  18. Only use Trend original spare parts and accessories.
- If you require further safety advice, technical information, or spare parts, please call Trend Technical Support or visit [www.trend-uk.com](http://www.trend-uk.com)

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