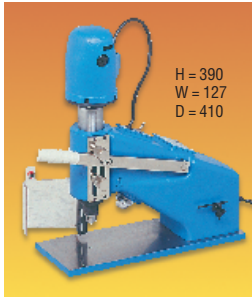


## PCB Drills and Accessories — continued

PCB77

### Two Speed Production

**fortrex**



H = 390  
W = 127  
D = 410

- Production quality PCB drilling machine
- Robust construction for continuous use
- Drill head has internal spring balance and adjustable endstops
- Internal fan to assist in swarf removal

Speed	14,000 or 18,000 rpm
Throat clearance	150mm
Height under chuck	44mm
Chuck	4mm maximum
Power	100W
Voltage	240/250V ac
Weight	11kg

No plug supplied

FOR SUITABLE REPLACEMENT BULB SEE ORDER CODE 328-236  
**BOOK 2, SECTION 3**

	Order Code	1+	3+	6+	12+
PCB drill	<b>457-656.</b>				
Motor brushes (pair)	<b>457-668.</b>				

### Tungsten Carbide Drill Bits 3.175mm, 1/8" Shank



- For use in PCB drilling applications
- Enlarged shank for better centring and torque transfer
- Manufactured from solid tungsten carbide

PCB80

Drill size	Order Code	1+	Price Each	25+
0.5mm	<b>500-513</b>			
0.6mm	<b>500-525</b>			
0.8mm	<b>222-290.</b>			
1.0mm	<b>222-306.</b>			

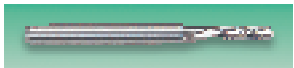


- Solid tungsten carbide
- Suitable for drilling glass fibre based printed circuit boards

PCB76

Drill Size	Order Code	1+	10+	25+
0.8mm	<b>143-746.</b>			
1.0mm	<b>143-747.</b>			
1.3mm	<b>143-748.</b>			
1.6mm	<b>143-749.</b>			
2.0mm	<b>143-750.</b>			

### Tungsten Carbide Router Bits 3.175mm, 1/8" Shank



- Tungsten carbide PCB router bits
- Clean cut and longer life than diamond burr types

PCB130

Router Size	Order Code	1+	10+	25+
1.0mm	<b>500-537.</b>			
1.2mm	<b>500-549.</b>			
1.3mm	<b>500-550.</b>			
1.6mm	<b>500-562.</b>			
2.4mm	<b>500-574.</b>			
3.175mm	<b>500-586.</b>			

### PCB Counterbores



146-411 & 146-412

146-413 & 146-414

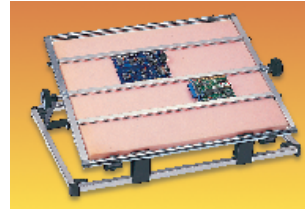
	Dimensions			Length	Order Code
	A	B	C		
● Counterbores for removing copper from copper clad PCB's	1.0	2.5	—	15	146-411
● Manufactured in high speed steel, oil blackened finish	1.8	5.1	—	20	146-412
● 146-411 and 146-412 will cut isolated holes	1.0	2.5	3.5	15	146-413
● 146-413 and 146-414 will cut isolated pads	1.8	5.1	7.1	20	146-414

Order Code	1+	Price Each	4+	20+
<b>146-411.</b>				
<b>146-412.</b>				
<b>146-413.</b>				
<b>146-414.</b>				

## PCB Assembly Jigs

### Lightweight Aluminium

**CLIFF**



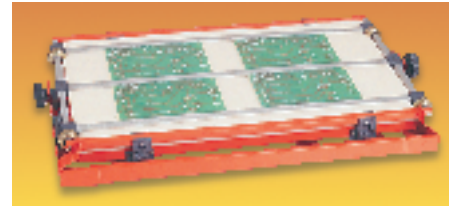
- Lightweight aluminium framed jig
- Removable centre bar and adjustable top and bottom rails
- Bench fixing via holes in corner mouldings or metal bracket supplied

Mfrs. List No.	Maximum Board Sizes	Unit Weight (kg)	Order Code
WF0	1-230 280	2-110 280	4.0 439-757
WF1	1-230 510	2-110 510	4.5 439-769
WF2	1-360 510	2-175 510	5.0 439-770

PCB11

Mfrs. List No.	Order Code	1+	Price Each	3+	10+
WF0	<b>.439-757</b>				
WF1	<b>.439-769</b>				
WF2	<b>.439-770</b>				

### Steel



- Steel construction PCB assembly jigs
- Lid coated with 25mm of non-conductive foam
- Bench mounting
- Max board size 500 220mm
- Minimum board size 45mm using additional centre bar kit

PCB2

	Order Code	1+	Price Each	3+	10+
<b>500 220mm</b>					
Jig	<b>.143-549</b>				
Centre bar kit	<b>145-309.</b>				
<b>500 350mm</b>					
Jig	<b>.145-308</b>				
Centre bar kit	<b>145-309</b>				
<b>Plastic Hinge Spring Strip</b>	<b>147-386</b>				

## Track Repair Kits

### Workshop – Linc 550



- Comprehensive PCB track repair kit
- Contains 1 oz copper repair frames laminated with heat activated adhesive
- Designed for quick easy and clean repair or modification of PCB track
- Soldering iron must be capable of 450°C with the tip ground flat
- Additional repair frames are also available

**Warning:**  
Flammable contents, this product should be used in a well ventilated area.