



AN ROINN DEPARTMENT  
OIDEACHAIS OF EDUCATION  
AGUS SCILEANNA AND SKILLS

**Planning and Building Unit**  
Tullamore, Co. Offaly.

Telephone: 057 9324300 or 01 889 6400

Fax: 057 9351119

Web: [www.education.ie](http://www.education.ie)

**Room: Technology**

**Technology – List B**  
**Equipment List and Specifications**

### **Standards, Specifications & Conditions**

All equipment/machinery/tools shall be durable and safe for school use. Equipment wholly or partly funded from public funds is subject to Inspection by officers from the Department of Education and Skills.

It is essential that tenders for equipment for school use shall:

- i) Comply fully with the specifications and be durable and safe for school use.
- ii) Comply fully with the standards as detailed and shall comply fully with European (EN) standards, both established and developing.
- iii) Comply with European electrical standards and CE marking as appropriate.
- iv) Be accompanied by documentation of sufficient detail for full evaluation.
- v) Include the completed and signed certificate of compliance.

Award of a contract is conditional on the production of a current tax clearance certificate.

Failure to comply with the above may result in the tender being deemed null and void.

## Section 1: Machine Tools

**Notes: Details of warranty for each item should be supplied and accompanied by a statement of service support and likely applicable charges.**

**Equipment to be commissioned and training provided where appropriate.**

Code	Descriptions & Specifications:	Cost
Quantity		€
TECH/B/101 1	Vertical bandsaw, floor standing, 2/variable speed, table size: c.350-450 mm square, table tilt facility, cutting height: c.150-300 mm, cutting width: c.300-400 mm, blade guard fitted, 3 phase / 380 V. Manufacturer: _____ Catalogue No: _____	
TECH/B/102 1	Vacuum forming machine, bench top model, cut sheet size c.250 x c.450 mm. Electrics – 230 V, 50 Hz. Manufacturer: _____ Catalogue No: _____	
TECH/B/103 1	Vacuum form cutting machine, bench mounted type, complete with adjustable tilting table, guide fence and dust extraction outlet facility, Electrics: 230 V, 50 Hz. Manufacturer: _____ Catalogue No: _____	
TECH/B/104 1	Belt sander, c.150 mm wide belt, bench or floor mounted. Fitted with dust extraction facility in accordance with Circular Letter M45/01. Electrics: 230V, 50Hz. Manufacturer: _____ Catalogue No: _____	
TECH/B/105 2	Scroll saw, bench mounted type, c.500 mm frame to blade, 2/variable speed, table tilt facility, blade guard attachment, motor: c.120-200 W, 230 V. Manufacturer: _____ Catalogue No: _____	
TECH/B/106 2	Drilling machine, pedestal <b>OR</b> bench mounted model, belt drive type, complete with fitted drill chuck (capacity: c.16 mm), key and chuck guard. Electrics: 1/1.5 kW, 230 V, 50 Hz. Manufacturer: _____ Catalogue No: _____	
TECH/B/107 2	Drill-press vice (approx. 100 mm jaws, prismatic type) complete with appropriate hold down clamps. Manufacturer: _____ Catalogue No: _____	
TECH/B/108 2	Thermoplastic sheet strip heater, suitable for bending of thermo-plastic sheets up to c.6 mm thick and up to c.500 mm wide. Complete with guarded hot wire for safety. Electrics: 110/230 V, 50 Hz. Manufacturer: _____ Catalogue No: _____	
TECH/B/109 1	Hot wire sculptor/cutter Electrics: 110/230 V, 50 Hz, voltage through the wire c.8 V. Manufacturer: _____ Catalogue No: _____	
TECH/B/110 1	Box and Pan folding machine – hand operated. Folding capacity c.1.6 mm (16 swg) min. Machine to be supplied complete with stand and range of clamping bars. Manufacturer: _____ Catalogue No: _____	
TECH/B/111 1	Guillotine-Notcher, bench mounted type, table size: c.500 mm x 400 mm, max. capacity in ferrous metals: c.1.5 mm, max. capacity in non-ferrous metals: c.3 mm. Manufacturer: _____ Catalogue No: _____	
TECH/B/112 1	Bench grinder, complete with eye shields and tool rests. Wheels – diameter c.200 mm, coarse and medium grit type, 230 V, 50 Hz. Manufacturer: _____ Catalogue No: _____	
TECH/B/113 1	Plastic dip coating unit. Minimum capacity 50 litres. Supplied complete with air blower and air pressure regulator together with 20 kg packs of two different colours of polyethylene powder. Electrics: 230 V, 50 Hz. Manufacturer: _____ Catalogue No: _____	
TECH/B/114 1	Enamelling kiln, max. temperature, c.1000 °C. Overall dimensions c.600 mm x c.400 mm x c.400 mm. Complete with start-up enamelling kit. Manufacturer: _____ Catalogue No: _____	

TECH/B/115a 1	<p>Centre lathe (metal cutting), <i>bench mounted type</i>, swing over bed c.200 mm, swing over cross-slide c.100 mm, distance between centres c.500 mm, spindle speed c.100 – 2000 rpm, motor c.375 W (0.5 HP).</p> <p>The following total number of accessories should be supplied with the lathe and fitted.</p> <ol style="list-style-type: none"> <li>a) Three-jaw self-centering chuck.</li> <li>b) Live centre.</li> <li>c) Drill chuck, c.10 mm capacity, complete with key and arbor - chuck to suit tailstock.</li> <li>d) Appropriate set of HSS, <b>OR</b> carbide cutting tools.</li> </ol> <p style="text-align: center;"><b><u>OR</u></b></p> <p>Wood turning lathe, bench or floor mounted, distance between centres c.1000 mm, complete with appropriate set of turning tools. Electrics: 230 V, 50 Hz.</p>			
TECH/B/115b 1	<p style="text-align: center;"><b><u>OR</u></b></p> <p>Wood turning lathe, bench or floor mounted, distance between centres c.1000 mm, complete with appropriate set of turning tools. Electrics: 230 V, 50 Hz.</p>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border: none;">Manufacturer:</td> <td style="width: 50%; border: none;">Catalogue No:</td> </tr> </table>	Manufacturer:	Catalogue No:	
Manufacturer:	Catalogue No:			
TECH/B/116 1	<p>Portable CNC design/vinyl cutter, with plotting area to 250 mm x 1000 mm to include appropriate computer operating software. 2 no. 1 metre vinyl rolls to be supplied.</p>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border: none;">Manufacturer:</td> <td style="width: 50%; border: none;">Catalogue No:</td> </tr> </table>	Manufacturer:	Catalogue No:	
Manufacturer:	Catalogue No:			
TECH/B/117a 1	<p><b>ONE ITEM ONLY PER SCHOOL – SEE AT/B/101</b></p>			
	<p>CNC 3-axis Training Router. Bench top with enclosed work area. Operating footprint minimum 575 mm x 325 mm in X-Y plane; capacity to machine a minimum of 110 mm of light materials such as light alloys, wood and plastic using multiple passes. Spindle speed 10-25 krpm. Feed Rate c.5000 mm/min, 3D profiling c.4500 mm/min. Spindle Motor c. 1.3 kw. Connection for dust extraction for dust and shavings from cutting area. Machine to be supplied complete with operating system, 2D &amp; 3D controlling software compatible with file format for PCB production. Fourth axis attachment. Appropriate tooling package and accessories for standard operating to be included. 230 V, 50 Hz supply.</p> <p><b>Note:</b> <u>Details of specification of computer required to operate to be furnished to school.</u></p>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border: none;">Manufacturer:</td> <td style="width: 50%; border: none;">Catalogue No:</td> </tr> </table>	Manufacturer:	Catalogue No:	
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TECH/B/117b 1	<p>4<sup>th</sup> axis programmable rotary fixture to be compatible with TECH/B/117a</p>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border: none;">Manufacturer:</td> <td style="width: 50%; border: none;">Catalogue No:</td> </tr> </table>	Manufacturer:	Catalogue No:	
Manufacturer:	Catalogue No:			
TECH/B/117c 1	<p>Floating Head kit for PCB machining to be compatible with TECH/B/117a</p>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border: none;">Manufacturer:</td> <td style="width: 50%; border: none;">Catalogue No:</td> </tr> </table>	Manufacturer:	Catalogue No:	
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**Equipment for Technology**  
**ONE SECTION**

Section	Code Quantity.	Descriptions & Specifications:	Total Cost €
Section 1	TECH/B/101-117	Machine Tools.	

<b>Total</b>	€	
Add for <b>VAT</b> :	€	
<b>Total Amount</b> for TECH/B List:	€	

**Standards, Specifications & Conditions**

All equipment/machinery/tools shall be durable and safe for school use. Equipment wholly, or partly, funded from public funds is subject to Inspection by officers from the Department of Education & Skills.

It is essential that tenders for equipment for school use shall:

- (i) Comply fully with the specifications listed.
- (ii) Ensure that all equipment/machinery/tools shall be of an appropriate quality and standard suitable for use in a post-primary school workshop setting.
- (iii) Comply fully with European (EN) standards, established and developing, as appropriate.
- (iv) Comply with European electrical standards and CE marking as appropriate.
- (v) Be accompanied by documentation of sufficient detail for full evaluation.
- (vi) Ensure consistency between machinery/equipment/tools quoted for and that supplied.
- (vii) Include the completed and signed certificate of compliance.

Award of a contract is conditional on the production of a current tax clearance certificate

Failure to comply with the above may result in the tender being deemed null and void

**Certificate of Compliance with Standards, Specifications & Conditions**

I/We certify that the equipment tendered complies in all respects with the Standards, Specifications and other requirements/conditions specified in this tender document. I/We hold a current tax clearance certificate.

Company:

Signed:  Date:

Position: