

# 9273-12 City & Guilds Level 3 Machining Technician

## ST1305/AP1.4 – End-Point Assessment Resources

Assessment Method	Resources Required
Practical demonstration with questions	Realistic working environment reflecting typical working conditions and equipment with normal personnel available, eg operators, manager/supervisors.
	The environment should include sufficient space for the City & Guilds IEPA to observe, take notes and photographs.
	A well maintained manual or CNC milling machine or lathe
	A range of measuring tools, including: <ul style="list-style-type: none"> <li>• 0-25 mm micrometer</li> <li>• Vernier caliper</li> <li>• Vernier height gauge</li> <li>• Slip gauges</li> </ul>
	A range of workholding devices, including: <ul style="list-style-type: none"> <li>• Mill:               <ul style="list-style-type: none"> <li>○ Machine vice</li> <li>○ Clamping kit</li> <li>○ Vee block</li> <li>○ Parallel blocks – set of</li> <li>○ Rotary table</li> </ul> </li> <li>• Lathe               <ul style="list-style-type: none"> <li>○ 3 jaw chucks – live centre, dead centre</li> <li>○ 4 jaw chucks</li> <li>○ Tail stock chuck</li> </ul> </li> </ul>
	A range of tools, including: <ul style="list-style-type: none"> <li>• Mill:               <ul style="list-style-type: none"> <li>○ Range of slot drills</li> <li>○ Range of end mills</li> <li>○ Range of ball nose mills</li> </ul> </li> </ul>

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	<ul style="list-style-type: none"> <li>○ Range of forming tools – T slot, dove tail, radius cutters</li> <li>○ Face mill/fly cutter</li> <li>○ Range of taps and tap wrench or tapping box and tapping tools</li> <li>● Lathe: <ul style="list-style-type: none"> <li>○ Left and right hand facing turn tool</li> <li>○ Range of parting off tools</li> <li>○ Knurling tool</li> <li>○ Left and right hand knife tool</li> <li>○ Centre drill and range of drill sizes</li> <li>○ Boring bars</li> <li>○ Stock and die sets</li> <li>○ Taps and tap wrenches</li> <li>○ Range of metric threading tools</li> </ul> </li> </ul> <p>A range of materials in different forms, including:</p> <ul style="list-style-type: none"> <li>● Mild steel</li> <li>● Brass</li> <li>● Aluminium</li> </ul> <p>A suitable, quiet room for the questioning to take place in a controlled environment, free from distractions and the pressures of work activities. The room should be large enough to accommodate all of those involved (including the employer representative).</p> <p>Access to water and cups.</p>
Interview underpinned by a portfolio of evidence	<p>A suitable, quiet room for the interview to take place in a controlled environment, free from distractions and the pressures of work activities. The room should be large enough to accommodate all of those involved (including the employer representative).</p> <p>If the meeting is to be carried out remotely, internet access and suitable equipment for remote assessment, such as a computer with audio and video capacity, as outlined in the City &amp; Guilds Manual for the End-point Assessment Service.</p> <p>If a video link is used, appropriate measures must be in place to ensure that City &amp; Guilds is satisfied that the responses given are</p>

Assessment Method	Resources Required
	<p>those of the candidate, e.g. use of a 360-degree camera to allow the IEPA to look around the room during the interview.</p> <p>Seating area or room for any other apprentices to wait (if appropriate).</p> <p>Access to water and cups.</p> <p>The apprentice and the IEPA must each have a copy of the apprentice's Portfolio of Evidence to refer to.</p>
Knowledge test	<p>Suitable IT systems for e-volve as outlined in the City &amp; Guilds Manual for the End-point Assessment Service.</p> <p>A responsible person to invigilate the assessment.</p> <p>A quiet room with adequate lighting, space and privacy. It must be away from the pressures of work activities, in a controlled environment.</p>

## Contact Us

EPA Gateway Team: Initial Reservation & Gateway

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Technical Advisors: Sector Specific Guidance

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Digital Sales: on-programme delivery resources

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