SAFETY - CNC AND MANUALLY OPERATED MACHINES

WORLD ASSOCIATION OF TECHNOLOGY TEACHERS

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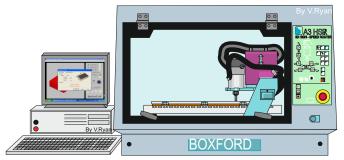
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1. Two types of machine are shown below, a CNC router and a manually operated centre lathe. Briefly, list aspects of safety, that must be understood and followed, before operating either machine. 8 marks

TYPICAL CNC MACHINE

The machine below is a CNC router.

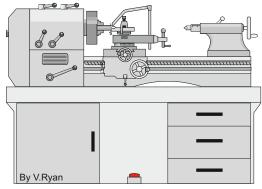
Most aspects of its operation are controlled by a computer. It is normally used to shape woods and plastics.



COMPUTER NUMERICAL CONTROL - MACHINE

MANUALLY OPERATED MACHINE

The machine below is a manually operated centre lathe. This is normally used to shape metals, such as mild steel.



MANUALLY OPERATED CENTRE LATHE

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2. Do you think that there is still a place in a workshop for both computer controlled machine and manually operated machines? Explain your answer. 4 marks	