

REVISION CARDS - POLISHING - METAL FINISHES - 9

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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WORLD ASSOCIATION OF TECHNOLOGY TEACHERS

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THE POLISHING MACHINE - 1

The Polishing Machine (also called the Buffing Machine) is used to polish soft metals, including copper and brass, as well as plastics, including acrylic. The 'mop spins at high speed when the 'on' switch is pressed. 'Polish' is applied to the mop, before gently pushing the metal against the rotating mop.

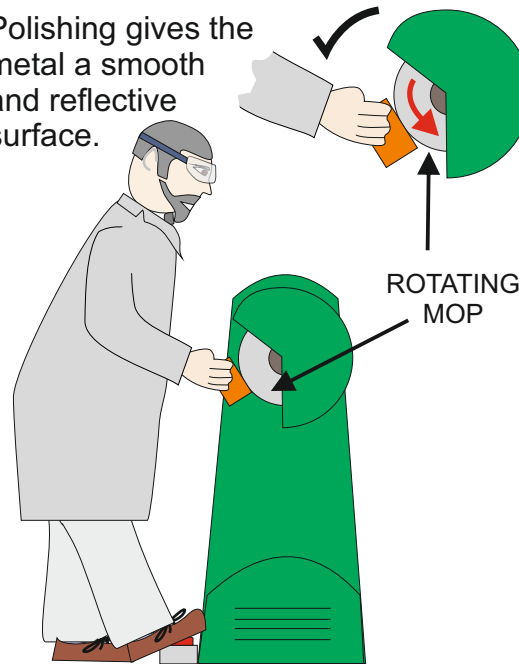
If the material is gently pressed against the mop and moved backwards and forwards, it will be polished.

Before polishing, the material must be filed to removed scratches and then wet and dry paper or emery cloth, is used to further smooth the surfaces. Only then can it be polished on the buffing machine.

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THE POLISHING MACHINE - 2

Polishing gives the metal a smooth and reflective surface.

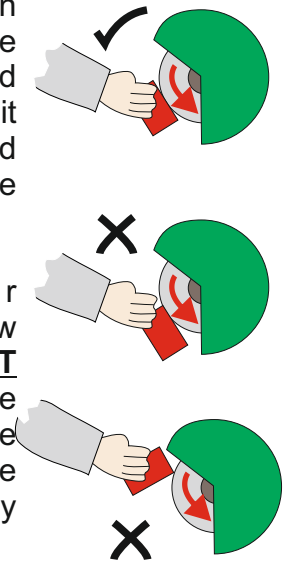


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THE POLISHING MACHINE - 3

The 'top' diagram on the right, shows the correct way to hold the work and how it should be pushed gently against the rotating mop.

The two other diagrams, show how the work should **NOT** be applied to the mop. Holding the work in either of these ways, is extremely dangerous.



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1. How is a polishing / buffing machine used to 'polish' metal / plastics ? 5 marks

2. Describe the surface finish achieved through the use of a polishing machine? 3 marks
