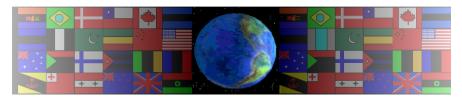
REVISION CARDS - METAL FINISHES - 2 MACHINE SURFACE FINISHES

V.Ryan © 2000 - 2018

On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet.

THESE MATERIALS CAN BE PRINTED AND USED BY TEACHERS AND STUDENTS.
THEY MUST NOT BE EDITED IN ANY WAY OR PLACED ON ANY OTHER MEDIA INCLUDING WEB SITES AND INTRANETS.

NOT FOR COMMERCIAL USE.
THIS WORK IS PROTECTED BY COPYRIGHT LAW.
IT IS ILLEGAL TO DISPLAY THIS WORK ON ANY WEBSITE/MEDIA
STORAGE OTHER THAN www.technologystudent.com

REVISION CARDS - METAL FINISHES - 2

WORLD ASSOCIATION OF TECHNOLOGY TEACHERS

https://www.facebook.com/groups/254963448192823/

www.technologystudent.com © 2018 V.Ryan © 2018

THE LATHE - TYPICAL MACHINE FINISH

Lathe tools produce a machined finish. They can be shaped to produce a range of different machined finishes - two are shown below. A machined finish can be attractive and also have a practical function, such as a grip.

LATHE TOOL FINISH



THE MILLING MACHINE **TYPICAL FINISHES**

Milling machines can be used in conjunction with a variety of cutting tools. Often the tools produce a very accurate, distinctive and fine circular pattern.

END MILL SURFACE FINISH



FLY CUTTER FINISH





4 marks

www.technologystudent.com © 2017

accurately produce a flat surface, after

some machining has already taken place (for example, through the use of a vertical miller). A surface grinder is used where absolute precision is required.

THE SURFACE GRINDER - FINISHES

A surface grinding machine is used to

As the grinding wheel revolves at high speed, it produces a smooth, flat surface, giving a distinct finish (samples shown below). If real precision is required, a surface grinder is used.

SURFACE GRINDER FINISHES





www.technologystudent.com © 2017

1. Describe two reasons for a machined finish being applied to metals?

2. What type of work is carried out by a surface grinder?

4 marks