

MTTA/TEP Manufacturing Innovation

First 1000 CD-ROM and resource packs are available free!

The **Manufacturing Innovation** CD-ROM will be a valuable resource for both D&T departments and schools careers libraries. The CD ROM comprises the following sections:

INTRODUCTION

An excellent overview of the machine tool industry, which explains how machine tools are vital to the UK economy and fundamental to the

manufacturing process. It illustrates different types of machine tools and explains how they work. Current industry statistics are provided and through the direct link to the MTTA's website, pupils can download updated information when necessary.

THE WORLD OF MACHINE TOOLS

An interactive guide to the machine tool sector, which provides pupils with an excellent insight into a dynamic and forward thinking industry. This section shows

apprentices and machines at work and contains a wealth of valuable teaching and resource material. Industries as diverse as pharmaceuticals and Formula 1 relate the world of machine tools to everyday life.



CURRICULUM SUPPORT

Curriculum support to aid teachers with the new CAD/CAM requirements at Key Stages three and four. This section includes

project ideas and information on the process of injection moulding.

CAREERS INFORMATION

Comprehensive careers information has been provided by EMTA (the National Training Organisation for Engineering Manufacture), which enables young people to find out all they need to know about becoming an engineer. The MTTA key web links page allows students to link directly to 19 websites related to further study and careers in the engineering sector.

INNOVATION COMPETITION

It is intended that teachers using the 'Manufacturing Innovation' packs will be able to enter their best pupils' coursework into a prestigious annual MTTA competition. Details of the competition final and prizes to be won will be posted on the MTTA website at: www.mtta.co.uk. Prizes will include a CAD/CAM machine,

a rapid prototyping machine, a digital camera, cd roms and laptops.



USEFUL ADDRESSES

Students can obtain further information on the machine tool sector by linking directly to the websites of over 240 machine tool companies. The further education service provides an invaluable link to all Higher Education Colleges and Universities in the UK. Teachers can also access the SETPOINT website from this section – the acknowledged single point of contact supporting SET activities in each region.

RESOURCE PACK

A pack which enables all the key principles of injection moulding to be taught and demonstrated at a fraction of the cost of using commercial equipment. It enables students to design and make either simple or very complex moulds. The "tooling" for some small mouldings can be made in a matter of minutes using hand tools!

To obtain your free copy, log on to the TEP website: www.tep.org.uk

