

# TEP Milling Machines at Turnford School

A special grant through the Middlesex University schools partnership scheme has enabled **Turnford School** in Hertfordshire to set up a suite of 10 TEP milling machines for work at Key Stage 3. This coincided with the appointment of newly qualified teacher Stephen Hill. In a busy first year of teaching, Stephen has set up a dedicated CAD CAM facility at the school, and is teaching a range of graphics and product-focussed courses that make genuine use of CAD (e.g. Pro/DESKTOP) and CAM.

The TEP machines have enabled most pupils at KS3 to engage with CAM at an early stage – producing a wide range of two-dimensional products from ‘springy’ bookmarks to mould plates for casting pewter jewellery. The unusually open access to machines is building both pupil confidence and expectations of challenges at KS4 where CAD CAM is used to model mobile phones, cameras, hairdryers, MP3 players – and much more. The hallmark of this work is a totally convincing realism achieved using inexpensive materials and techniques.

According to Stephen: *‘The TEP machines have been a great success because pupils have been able to use them by themselves with very few problems. The machines are very simple with little that can go wrong and, after the initial setting up problems, they worked perfectly with the minimum of maintenance. These machines have been so successful they are to be moved to a dedicated room for use by all KS3 pupils.’*

Turnford School teacher Stephen Hill *‘The TEP machines have been a great success’.* ▶



▲ The suite of 10 TEP milling machines at Turnford School in Hertfordshire.



The TEP CNC Milling Machines have enabled the pupils to create Inspiring CAD CAM models. ▶

