

# TDI AWARDS 2004

CELEBRATING TECHNOLOGY, DESIGN AND INNOVATION



The MTA and TEP are now joined with DATA to present this year's exciting TDi Awards. The success and popularity of the last few years for this award has meant that this year the final is to be held at DATA's annual conference in Sheffield on July 2nd. The MTA and TEP have developed a partnership of activity in recent years and it is worth taking a brief look at the work of the MTA.

The Manufacturing Technologies Association (MTA) is the national organisation representing companies that are involved in the UK machine tool and manufacturing technology sector. Its members benefit from a range of services designed to help them to sell their products, both in the UK and globally helping manufacturing industry in this country remain competitive. MTA also encourages international trade in machine tools and manufacturing technology. MTA is also committed to raising the profile of manufacturing industry amongst young people and to ensuring that those already employed within the sector receive support for their continuing professional development.

The principle of innovation as distinct from the design process and the need to teach towards innovation often remains elusive but entries and winners from the last two years of this award have exemplified some great innovation and some truly thought provoking entries.

Entries are open to all secondary schools in the UK and schools may enter as many students or pupils as they wish. There are three age group categories and awards for 1st, 2nd and 3rd prize are available. Prizes include CNC machine tools, Laptops, Digital Cameras and TEP resources vouchers.

*The age categories are for:*

- **Group A:** 11-14 years
- **Group B:** 14-16 years
- **Group C:** 16-19 years

*Schools can submit students work in any of the innovation categories described below:*

- **Computer Aided Design and Manufacture**
- **Advanced Materials Design and Manufacture**
- **Systems, Control, Robotics, Electronic Product Design**

The TDi Challenge seeks to reward and celebrate individual project work in D&T departments that demonstrates quality designing and making and most importantly innovative work. Entries for the TDi challenge will need to be received by the MTA by 7th June 2004. Winners in each category will be invited to the D&T exhibition at Birmingham NEC in November 2004

*Entries received will be selected on the following criteria:*

- **INNOVATION:**  
Range of ideas and sources explored and developed
- **MANUFACTURING:**  
Quality of manufacture, accuracy, finish and fit
- **USE OF TECHNOLOGY:**  
Selection and use of technology in design and manufacture
- **PRODUCTION:**  
Range of processes, tools, materials and skills used
- **PRESENTATION:**  
Displaying a range of graphic techniques, skills and literacy
- **RESEARCH/DEVELOPMENT:**  
Evidence of modelling, testing, evaluating, prototyping
- **REFLECTIVE PRACTICE:**  
Problem solving, improvements, production techniques

➤ **For the school to take part you will need to submit entries on the proforma attached which can also be downloaded from the TEP website at: [www.tep.org.uk](http://www.tep.org.uk)**



Student entries reviewed by the panel of TDi judges

2003 TDi 1st prize winner (category B) Kartik Logishetty of Yarm School, Cleveland with his PIC based pressure sensing system. Inset: Kartik receiving his prize and certificate from the judges.

This challenge follows on from the success of the MTA/TEP manufacturing innovation award challenge in July 2003 and provides an opportunity for schools and students in Design and Technology to demonstrate clearly the breadth of innovation in the subject. We have seen growth in entries during the last two years despite many commentators saying how schools are overwhelmed with competition requests. Our advice is to take submit entries that simply reflect the existing coursework ongoing in any of the Key Stages and to be mindful that if work gets sent off to the moderator then a photocopy of the key work may be useful for presenting at the final if the work has not been returned.

