

Introduction 介紹:

Train Turn E125 / S125 is a small compact CNC Turning Lathe, It's ideally suited to the classroom environment and all levels of education and training.

offer a complete range solutions of CNC Turning Lathe, Our idea is to divid one classroom into three teams :

The 1st team : To learning the controller and CNC operation and programming via visual stimulant instruction software which can be installed on a commercial PC. With a classroom environment.

The 2nd team : To operate practically the CNC Turning Lathe, students will learn how to install workpiece, cutting tools and setting skill, Then real cutting a workpiece on machine.

The 3rd team : To learn different CAD/CAM softwares, edit the complicated program by CAD/CAM and how to send the CAD/CAM program to machine processing skill. Since the 1st team and 3rd team can teach students in the PC classroom, The PC classroom is the basic equipment for school, school only need buy 1/3 about 10~15 set CNC Turning Lathe then can let every student to learn CNC skill, one machine or PC for one student. The project is a good solution for limited budget trouble.

Train Turn E125 / S125是一台小型CNC車床，專門考量學校教學工廠環境而設計的CNC車削教學機。

提供一套完整的CNC車削教學的解決方案，我們的方案是將一班分成三組，分組教學：
第一組：透過虛擬數值控制工具機軟體系統，讓學生在一般PC電腦教室先行學習控制器的各部功能、機器特性及程式編寫技巧。

第二組：學生在熟悉機器及控制器功能及程式編寫技巧後，再到教學機進行實體車削，學生可學習如何安裝工件、刀具、校刀到成品的訓練。

第三組：熟悉CNC操作後，讓學生學習高階CAD/CAM軟體以便解決較複雜的工件程式編寫，教導學生如何使用CAD/CAM，產生CNC程式到如何傳輸程式給CNC機台執行的技術。

由於此方案將一班分為3組，其中2組只需使用一般學校即有的電腦教室教學，學校只需投資1/3(大約10~15台)的成本即可達到1人1機或1人1電腦的完善教學，此方案將可徹底解決各學校財務受限的困擾。

IDEA OF CNC TRAINING SYSTEM CNC 分組教學系統

