



Appendix C – Photographs of training equipment from Hunter TAFE

This appendix presents a series of photographs with accompanying information as provided by Hunter TAFE. The photographs and information provide evidence of the large capital cost that TAFE Institutes can face in providing up-to-date machinery and equipment for training purposes. All costs are approximate and run costs include electricity, maintenance and repair (labour, lubrication, coolants), plus replacement of tooling in a training environment. Figures for run costs are annual figures.

Fitting and machining

CNC machining centre (Hunter TAFE has 2 CNC machining centres)

- Make: Hartford LG 500
- Replacement cost: \$95 000 (this machine is less than 3 years old)
- Run cost: \$1 500

In the background of this photograph is a similar style of machine. It is an OkumaMX45VAE. The replacement cost for this machine is around \$220 000 for an equivalent new Okuma standard of machine. This is a good example of the differing cost between the lower-end machine technology and higher-end commercial grade machines.



Centre lathe (Hunter TAFE has 15 centre lathes)

- Make: Colchester Triumph 2500
- Replacement cost: \$45 000
(lower quality equipment can be obtained for approximately \$10-15 000)
- Run cost: \$1 200



Universal milling machine (Hunter TAFE has 6 milling machines)

- Make: Pacific FU 110
- Replacement cost: \$55 000
(lower quality equipment can be obtained for approximately \$15-25 000)
- Run cost: \$1 500

**Vertical turret milling machine (Hunter TAFE has 12 vertical turret milling machines)**

- Make: Kondia Powermill FV1
- Replacement cost: \$30 000
(lower quality equipment can be obtained for approximately \$10-12 000)
- Run cost: \$1 200



CNC multi-axis lathe with milling option (Hunter TAFE has 2 multi-axis lathes)

- Make: Okuma Genos L300E-M
- Replacement cost: \$175 000 (machine is 15 months old)
- Run cost: \$1 500



Refrigeration

Purpose-built multi-use refrigeration demonstration units (Hunter TAFE has 6 multi-use units)

- Replacement cost: \$25 000
- Run cost: \$2 000



Bar system training facility

- Replacement cost: \$20 000
- Run cost: \$2 000



Commercial merchandiser: reach-in customer service commercial freezer

- Replacement cost: \$15 000
- Run cost: \$1 000



Commercial freezer/cool room training system

- Replacement cost: \$35 000
- Run cost: \$5 000



Refrigeration recovery units: ozone-depleting recovery systems (Hunter TAFE has 15 units)

- Replacement cost: \$1 000
- Run cost: \$500

**Soft serve machine: commercial ice cream dispenser**

- Replacement cost: \$10 000
- Run cost: \$500



Student tool bags—student issue tools

Student tool bag electrical—student general use electric tools (Hunter TAFE has 15 electrical tool bags with tools)

- Replacement cost: \$1 000



Student tool bag mechanical—student general use mechanical tools (Hunter TAFE has 15 mechanical tool bags with tools)

- Replacement cost: \$1 000



Wood machinery

Rover B woodworking machine

- Replacement cost: \$100 000
- Run cost: \$5 000



Edge bander woodworking machine

- Replacement cost: \$33 000
- Run cost: \$5 000



Rover 321R woodworking machine

- Replacement cost: \$100 000
- Run cost: \$5 000



Sigma 65 beam saw

- Replacement cost: \$100 000
- Run cost: \$2 000



Altendorf panel saw

- Replacement cost: \$50 000
- Run cost: \$2 000



