

ELECTRICAL RECORD SHEET

| DATE | MACHINE TYPE | SERIAL NUMBER | CUSTOMER |
|----------|-----------------|---------------|----------------------|
| 27/10/95 | TU150-U/CYCLONE | 50911D | MID CHESHIRE COLLEGE |

| |
|---|
| Customer-MID-CHESHIRE COLLEGE,HARTFORD CAMPUS |
| CHESTER ROAD,NORTHWICH,CESHIRE,CW8 1LJ |
| Cust order |

Power requirements-

Transformer details(if supplied)

| | | | | | |
|-------|-----------|-------|-----------|--------|------|
| V-415 | Phase-3&N | Hz-50 | V in- N/A | V out- | Kva- |
|-------|-----------|-------|-----------|--------|------|

Control system

Software

| | | | | | |
|------------------|--------------|--------------|-----------|-----------|--------------------|
| Control supplier | Control type | control s/no | Denford-F | Denford-H | Eprom |
| OPTIMISED | STE | OC 0015002 | 1.34 | | 2.53d/STE/kc12-JD7 |

Axis motors

| | Make | Model | S/no | Volts | Ac/Dc | Phase |
|----------|---------|--------|------|-------|-------|-------|
| x-axis | MAVILOR | BLS072 | | 240 | AC | 3 |
| y-axis | N/A | | | | | |
| z-axis | MAVILOR | BLS072 | | 240 | AC | 3 |
| 4th-axis | N/A | | | | | |

Axis drives

| | Make | Model | S/no |
|----------|----------|---------------|------|
| x-axis | INFRANOR | SMTA.S 220/10 | |
| y-axis | N/A | | |
| z-axis | INFRANOR | SMTA.S 220/10 | |
| 4th-axis | N/A | | |

Spindle motor

| Make | Model | S/no | Volts | Hz | Ac/Dc | Phase |
|------|---------|------|-------|-----|-------|-------|
| ABB | 5000RPM | | | 415 | 180 | AC 3 |

Spindle drive

Spindle encoder(if fitted)

| Make | Model | S/no | Make | Model | S/no |
|------|-----------|-----------------|------|---------|------|
| KEB | F.O 2.2KW | 95281288/139954 | BEC | 733DEN2 | |

Toolchanger

Invertor(if fitted)

| Make | Model | S/no | Stations | Volts | Hz | Phase | Make | Model | S/no |
|------------|-------|------------|----------|-------|----|-------|------|--------|-----------------|
| BARUFFALDI | TOE80 | 09-5572-06 | 8 | 110 | 50 | 3 | KEB | 0.75KW | 95190358/129528 |

Computer

| Make | Model | S/no | Monitor type(if fitted) | Dongle s/no(if fitted) |
|------|----------|--------|-------------------------|------------------------|
| DSP | 386SX/25 | 270344 | MICROVITEC | N/A |

Com ports

(type of socket)

Video

Hd(cmos settings)

| Com 1 | Com 2 | Com 3 | Com 4 | card | Mem | Hdd(Mb) | Cyl | Head | Sec/t |
|-------|-------|-------|-------|------|-----|---------|-----|------|-------|
| 9 WAY | 9 WAY | N/A | N/A | DSP | 1Mb | N/A | | | |

Optional equipment

| P.chuck | Tailstock | Vice | Air press switch | Other |
|---------|-----------|------|------------------|-------|
| N/A | N/A | N/A | N/A | N/A |

Comments (include problems encountered during time in inspection)

| |
|--|
| GUARDMASTER |
| X-AXIS MOTOR PROBLEM (I2T) INTERMITTENT.MOTOR CHANGED FRIDAY AFTERNOON .MACHINE DESPATCHED MONDAY A.M. |

AUTOERROR 0
DRAGMARKING 0
DISPLAYSIZE 3
NARROWSIMBOX 0
utils_menu_1 Dos Access
utils_go_1 dos
utils_menu_2 Turning Designer
utils_go_2 ldesign
mirac_sdevice machine
SLAVE_RAMP 2
SLAVE_ACCEL 1000
SLAVE_GAIN_X 1
SLAVE_GAIN_Z 1
SLAVE_KV_X 1
SLAVE_KV_Z 1
SLAVE_KI_X 0
SLAVE_KI_Z 0
SLAVE_KF_X 3
SLAVE_KF_Z 3

SLAVE_PCHUCK 0
contour 1
SLAVE_IO 1
FOOTSWITCH 0
NOPOTS 0
SLAVE_IJOBASE 768
SLAVE_THREAD 1
SLAVE_SPINDLEF 0.85
SLAVE_SPINDLELAG 15
SLAVE_MMCONVERT 500

mintool 1
maxtool 8
SLAVE_ATC 3
MOVERANGEX 94
MACHINEEXTENTX 94
MOVERANGEZ 186
MACHINEEXTENTZ 200

HIGHFEED 7500
HIGHFEEDZ 7500
BARFEED 0
FILETYPE FNC

IBMR52 1
S3F8 4 COM1
DENFORD1.KBD 1
18.2 S2F8 3
VGA.CRT 0
TU150.APP

software update sent(27/01/97 to overcome simulation errors(modified options file)

AUTOERROR 0
DRAGMARKING 0
DISPLAYSIZE 3
NARROWSIMBOX 0
utils_menu_1 Dos Access
utils_go_1 dos

utils_menu_2 Turning Designer
utils_go_2 ldesign
mirac_sdevice machine
SLAVE_RAMP 2
SLAVE_ACCEL 1000
SLAVE_GAIN_X 1
SLAVE_GAIN_Z 1
SLAVE_KV_X 1
SLAVE_KV_Z 1
SLAVE_KI_X 0
SLAVE_KI_Z 0
SLAVE_KF_X 3
SLAVE_KF_Z 3

SLAVE_PCHUCK 0
contour 1
SLAVE_IO 1
FOOTSWITCH 0
NOPOTS 0
SLAVE_IJOBASE 768
SLAVE_THREAD 1
SLAVE_SPINDLEF 0.85
SLAVE_SPINDLELAG 15
SLAVE_MMCONVERT 500

mintool 1
maxtool 8
SLAVE_ATC 3

MOVERANGEX 94
MACHINEEXTENTX 94
CHUCKCENTREX 60
CHUCKX 80
JAWSX 10
BILLETX 70

MOVERANGEZ 186
CHUCKZ 30
JAWSZ 10
BILLETZ 70
MACHINEEXTENTZ 226

HIGHFEED 7500
HIGHFEEDZ 7500
BARFEED 0
FILETYPE FNC

IBMR52 1
S3F8 4 COM1
DENFORD1.KBD 1
18.2 S2F8 3
VGA.CRT 0
TU150.APP