



| Function   | Machine Type     | Model                             | Qty | X Axis (mm)                     | Y Axis (mm) | Z Axis (mm) | Hollow Spindle / 4th Axis Bore | Max Length of Job | Tool Holder | Controls   |
|------------|------------------|-----------------------------------|-----|---------------------------------|-------------|-------------|--------------------------------|-------------------|-------------|------------|
| Turning    | Doosan           | Puma 800                          | 1   | 900                             | 0           | 5050        | 320                            | 10100             | 12          | FANUC      |
| Turning    | Doosan           | Puma 700                          | 1   | 900                             | 0           | 3250        | 165                            | 5000              | 12          | FANUC      |
| Turning    | Doosan           | Puma 480 XL                       | 2   | 650                             | 0           | 3150        | 165                            | 4500              | 12          | FANUC      |
| Turning    | Doosan           | Puma 480 L                        | 1   | 650                             | 0           | 2130        | 165                            | 3500              | 12          | FANUC      |
| Turning    | Doosan           | Puma 2100 LY                      | 2   | 375                             | 0           | 1280        | 117                            | 2500              | 24          | FANUC      |
| Turning    | Doosan           | Puma 400 L                        | 1   | 550                             | 0           | 2180        | 117                            | 3000              | 12          | FANUC      |
| Turning    | Supermax         | YCM-TC-15                         | 2   | 350                             | 0           | 760         | 55                             | 760               | 12          | FANUC      |
| Turning    | Doosan           | Puma 400 L                        | 2   | 550                             | 0           | 2180        | 117                            | 3000              | 12          | FANUC      |
| Turning    | Doosan           | Puma 2600 LY II                   | 1   | 375                             | 0           | 1280        | 117                            | 2500              | 24          | FANUC      |
| Turning    | Doosan           | Lynx 220                          | 1   | 320                             | 0           | 510         | 51                             | 305               | 12          | FANUC      |
| Turning    | Mazak            | Quick Turn 200 MSY                | 1   | 380                             | 0           | 676         | 105                            | 676               | 12          | MAZAK      |
| Turning    | Mazak            | Integrex I-200                    | 1   | 668                             | 0           | 1011        | 105                            | 1619              | 36          | MAZAK      |
| Turning    | Mazak            | Integrex J-200                    | 1   | 600                             | 0           | 600         | 105                            | 1066              | 20          | MAZAK      |
| Turning    | Mazak            | Quick Turn Nexus 250-II           | 1   | 380                             | 0           | 676         | 200                            | 612               | 12          | MAZAK      |
| Milling    | Soraluce         | FL8000                            | 1   | 8000                            | 1500        | 1200        | 480                            | 16000             | 40          | HEIDENHAIN |
| Milling    | Soraluce         | TA-35 Auto                        | 2   | 3500                            | 1250        | 1000        | 250                            | 9500              | 20          | HEIDENHAIN |
| Milling    | Correa           | XPERTA 25                         | 1   | 2500                            | 1000        | 1000        | 204                            | 3500              | 30          | HEIDENHAIN |
| Milling    | Doosan           | MNYX 9500                         | 1   | 2500                            | 950         | 850         | 250                            | 3500              | 40          | FANUC      |
| Milling    | Hartford         | Pro 3150 AG                       | 1   | 3060                            | 1200        | 1500        | 160                            | 6000              | 40          | FANUC      |
| Milling    | Hartford         | VMC 2060                          | 2   | 2000                            | 800         | 600         | 80                             | 2000              | 33          | FANUC      |
| Milling    | Hartford         | HCMC 15                           | 1   | 1500                            | 820         | 700         | 80                             | 1500              | 43          | FANUC      |
| Milling    | Doosan           | DNM 5700                          | 1   | 1050                            | 570         | 510         | 80                             | 1500              | 30          | FANUC      |
| Milling    | Hartford         | Pro 1000                          | 2   | 1000                            | 450         | 450         | No                             | 1000              | 25          | FANUC      |
| Milling    | Mazak            | VTC-200B-II                       | 1   | 1118                            | 508         | 508         | 120                            | 1455              | 24          | MAZAK      |
| Milling    | Mazak            | VTC-300C-II                       | 1   | 1670                            | 760         | 660         | 120                            | 2000              | 24          | MAZAK      |
| Milling    | Mazak            | Horizontal Centre Nexus 5000 II   | 1   | 730                             | 730         | 740         | 80                             | 1000              | 40          | MAZAK      |
| Milling    | Masak            | Variaxis 500-5X II                | 1   | 360                             | 660         | 610         | 150                            | 360               | 18          | MAZAK      |
| Jig Boring | SIP              | Hydroptic 6A                      | 1   | 1000                            | 800         | 700         | Yes                            | 8000              | n/a         | n/a        |
| Jig Boring | Newall           | 2443                              | 1   | 750                             | 500         | 700         | Yes                            | 3000              | n/a         | n/a        |
| Jig Boring | Newall           | 2443                              | 1   | 609                             | 456         | 700         | No                             | 3000              | n/a         | n/a        |
| Jig Boring | Newall           | 1520                              | 1   | 500                             | 300         | 400         | No                             | 1000              | n/a         | n/a        |
| Jig Boring | DeVlieg          | 43H-72                            | 1   | 1850                            | 1850        | 550         | No                             | 4000              | n/a         | n/a        |
| Jig Boring | DeVlieg          | 2B-36                             | 1   | 1000                            | 750         | 500         | No                             | 2000              | n/a         | n/a        |
| Spark      | Sodick           | A65R                              | 1   | 1000                            | 700         | 450         | n/a                            | 3000              | n/a         | FANUC      |
| Spark      | Astec            | CDH-2AMS (EDM Drilling)           | 2   | Subject to component dimensions |             |             |                                |                   |             |            |
| Wire       | Sodick           | AQ 750 LH                         | 1   | 750                             | 500         | 500         | n/a                            | 750               | n/a         | FANUC      |
| Manual     | Dean Smith Grace | 2415 x 90                         | 1   | 300                             | 0           | 1500        | No                             | 5000              | n/a         | n/a        |
| Manual     | XYZ              | 410                               | 1   | 400                             | 0           | 1500        | No                             | 1500              | n/a         | n/a        |
| Manual     | XYZ              | 1645                              | 1   | 400                             | 0           | 750         | No                             | 750               | n/a         | n/a        |
| Manual     | Tarnow           | TUJ-50M                           | 1   | 860                             | 0           | 3000        | No                             | 3000              | n/a         | n/a        |
| Manual     | KRV 3000         | Turret Mill                       | 2   | 710                             | 200         | 1000        | No                             | 1000              | n/a         | n/a        |
| Grinding   | Churchill        | Universal                         | 1   | 1830                            | 406         | n/a         | n/a                            | 1830              | n/a         | n/a        |
| Grinding   | Myford           | External Grinder                  | 1   | 381                             | 127         | n/a         | n/a                            | 300               | n/a         | n/a        |
| Grinding   | Lodi             | Microstatic RT150 Surface Grinder | 1   | 1500                            | 650         | n/a         | n/a                            | 600               | n/a         | n/a        |
| Grinding   | Jones & Shipman  | 540 Surface Grinder               | 1   | 152                             | 457         | n/a         | n/a                            | 457               | n/a         | n/a        |
| Grinding   | Jones & Shipman  | 1350 Universal Grinder            | 1   | 1305                            | 254         | n/a         | n/a                            | 1060              | n/a         | n/a        |
| Shot Peen  | Wheelabrator     | Ventus 150PR                      | 1   | 1500                            | 1400        | 1200        | n/a                            | 10000             | n/a         | Automated  |
| CMM        | Zeiss            | Accura II                         | 1   | 4200                            | 1200        | 1000        | n/a                            | 4940              | n/a         | CALYPSO    |
| CMM        | Mitutoyo         | Euro-C 9166                       | 1   | 1600                            | 900         | 600         | n/a                            | 2320              | n/a         | QCT        |
| CMM        | IMS              | Impact                            | 1   | 700                             | 600         | 500         | n/a                            | 1500              | n/a         | QCT        |
| NDT        | M.P.I            | PCN Level 2                       |     |                                 |             |             |                                |                   |             |            |
| NDT        | DYE PEN          | PCN Level 2                       |     |                                 |             |             |                                |                   |             |            |

