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| ***Equipment List*** |

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| **CNC Vertical Machining Centers** |
| **HAAS VF-6 SS** |
| Maximum Tooling Area (Inches) | X Axis | Y Axis | Z Axis |
| 60 | 32 | 24 |
| Table Size (Inches) | Length | 64 |
| Width | 30 |
| Number of Tools | 24  |
| Spindle Speed Range (RPM) | 0 – 12,000  |
| Taper | 40  |
| Comments: | Operate with 4th axis capabilities; Machines on site: 2 |
| **HAAS VF-4 SS** |
| Maximum Tooling Area (Inches) | X Axis | Y Axis | Z Axis |
| 50 | 20 | 20 |
| Table Size (Inches) | Length | 52 |
| Width | 20 |
| Number of Tools | 24 |
| Spindle Speed Range (RPM) | 0 – 12,000 |
| Taper | 40 |
| Comments: | Operate with 4th axis capabilities; Machines on site: 4 |
| **HAAS TM-2** |
| Maximum Tooling Area (Inches) | X Axis | Y Axis | Z Axis |
| 40 | 15 | 12 |
| Table Size (Inches) | Length | 48 |
| Width | 16 |
| Number of Tools | 20 |
| Spindle Speed Range (RPM) | 0 – 4,000 |
| Taper | 40 |
| Comments: | NA |
| **KIRA VTC 30** |
| Maximum Tooling Area (Inches) | X Axis | Y Axis | Z Axis |
| 15.7 | 9.8 | 8 |
| Table Size (Inches) | Length | 19.7 |
| Width | 12.6 |
| Number of Tools | 10 BT  |
| Spindle Speed Range (RPM) | 200 – 8,000 |
| Taper | 30 |
| Comments: | NA |

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| **CNC Gantry Router** |
| **HAAS GR510** |
| Table Size (Inches) | X Axis | Y Axis | Z Axis |
| 120 | 60 | 24 |
| Number of Tools | 20 |
| Maximum Spindle Speed (RPM) | 8,100 |
| HP | 15 |
| Comments: | Operates with a vacuum table and a single head |
| **HAAS GR512** |
| Table Size (Inches) | X Axis | Y Axis | Z Axis |
| 144 | 60 | 24 |
| Number of Tools | 20 |
| Maximum Spindle Speed (RPM) | 10,000 |
| HP | 15 |
| Comments: | Operates with a single head |
| **HAAS GR712** |
| Table Size (Inches) | X Axis | Y Axis | Z Axis |
| 144 | 84 | 24 |
| Number of Tools | 20  |
| Maximum Spindle Speed (RPM) | 8,100 |
| HP | 15 |
| Comments: | Operates with a single head, Machines on site: 2 |
| **HAAS GR712** |
| Table Size (Inches) | X Axis | Y Axis | Z Axis |
| 144 | 84 | 12 |
| Number of Tools | 20 |
| Maximum Spindle Speed (RPM) | 10,000 |
| HP | 15 |
| Comments: | Operates with a single head |
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| **HAAS GM-2** |
| Table Size (Inches) | X Axis | Y Axis | Z Axis |
| 144 | 84 | 24 |
| Number of Tools | 30 |
| Maximum Spindle Speed (RPM) | 10,000 |
| HP | 30 |
| Comments: | Operates with a single head- dual ball screw and heavy duty bearings |

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| **CNC Turning Centers** |
| **Haas TL-2** |
| Maximum Machining Diameter (Inches) | 16 |
| Chuck Diameter (Inches) | 8 |
| Max Machining Length (Inches) | 48 |
| Comments: | NA |
| **Haas ST 35Y** |
| Maximum Machining Diameter (Inches) | 18 |
| Chuck Diameter (Inches) | 12 |
| Maximum Machining Length (Inches) | 24 |
| Comments: | Operates with a bar feeder and integrated Y-axis; Machines on site: 2 |
| **Haas SL30** |
| Maximum Machining Diameter (Inches) | 14 |
| Standard Machining Diameter (Inches) | 10 |
| Chuck Diameter (Inches) | 10 |
| Maximum Machining Length (Inches) | 22 |
| Number of Tools  | 12 |
| Maximum Spindle Speed (RPM) | 3,500 |
| Comments: | Operates with Haas Fanuc Style Control |
| **MAZAK Quick Turn Smart 200M** |
| Maximum Machining Diameter (Inches) | 14 |
| Standard Machining Diameter (Inches) | 10.87 |
| Chuck Diameter (Inches) | 8 |
| Maximum Machining Length (Inches) | 18 |
| Number of Tools  | 12 |
| Maximum Spindle Speed (RPM) | 4,000 |
| Comments: | Operates with Smart Control |
| **Okuma Cadet 1420/650BB** |
| Maximum Machining Diameter (Inches) | 14.17 |
| Standard Machining Diameter (Inches) | 13 |
| Chuck Diameter (Inches) | 15 (KITAGAWA) |
| Maximum Machining Length (Inches) | 24 |
| Number of Tools  | 12 |
| Maximum Spindle Speed (RPM) | 3,000 |
| Comments: | Operates with OSP 700L Control |

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| **CNC Panel Saws** |
| **SCM Sigma Impact** |
| Thickness Tolerances (Inches) | Tolerance (+/-) | 0.015 | 0.020 | 0.030 |
| Thickness Range | 0 to 1.00 | 1.00 to 3.00 | 3.00 to 3.50 |
| Table Size (Inches) | Length | 168 |
| Width | 168 |
| Maximum Material Thickness (Inches) | 3.5 |
| Comments: | NA |
| **Schelling FK8** |
| Thickness Tolerances (Inches) | Tolerance (+/-) | 0.015 | 0.020 | 0.030 |
| Thickness Range | 0 to 1.00 | 1.00 to 3.00 | 3.00 to 6.00 |
| Table Size (Inches) | Length | 120 |
| Width | 120 |
| Maximum Material Thickness (Inches) | 6 |
| Comments: | NA |

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| **CNC Horizontal Machining Center** |
| **HAAS EC-1600YZT** |
| Table Size (Inches) | X Axis | Y Axis | Z Axis |
| 64 | 50 | 40 |
| Number of Tools | 50 |
| Maximum Spindle Speed (RPM) | 6,000 |
| HP | 30  |
| Comments: | Operates with full 4th axis |