

Plant List – Concept Turning Ltd

Turning Capacity

- Harrison Alpha 2800xs – 2m between centers, 155mm spindle bore, 12 station turret with Driven tooling and c axis, swing over cross slide: 500mm, swing in gap: 1100mm, swing over bed: 800mm
- Colchester Tornado T8msy – 65mm bar feed, live tooling, sub spindle
- Colchester Tornado T8ms – 65mm bar feed, live tooling, sub spindle
- Colchester Tornado T6ms – 52mm bar feed, live tooling, sub spindle
- Colchester Tornado T8m – 65mm bar feed, live tooling
- Colchester Tornado T8 – 65mm bar feed, live
- Colchester Tornado 220m (x2) – 65mm bar feed, live tooling, tailstock
- Nomura Sliding Head Lathe – 25mm bar capacity, live tooling, sub spindle
- XYZ Pro Turn 350
- Mazak SQT 10 – 50mm bar feed, sub spindle, live tooling

Milling Capacity

- Haas Vf9 – Table travel (XYZ): 2134 x 1016 x 762 mm, with 4th axis
- Haas Vf4 – Table travel (XYZ): 1270 x 508 x 635 mm
- Haas Vf3 – Table travel (XYZ): 1016 x 508 x 635 mm, with 4th axis
- Haas Vfoe – Table travel (XYZ): 508 x 406 x 508 mm
- Haas Tr 160 mm Dual-Axis Trunnion Table

Finishing Capacity

- Sand Blast Room – 6m x 10m
- Aqua Blast – 800mm x 700mm
- Vibrio Tumbling/Polishing – Up to 200mm diameter
- Vibrio Trough Polishing – Up to 1000mm long
- Fiber Laser for Marking of parts
- Wet Spraying – 6m x 10m enclosed spray shop

CAD Programming

At Concept Turning Ltd, CAD (Computer-Aided Design) programming is integral to our workflow, bridging the gap between concept and production. Our experienced programmers use advanced CAD and CAM software to transform design intent into precise machining instructions, optimizing every detail for manufacturability and efficiency. By creating detailed digital models and toolpaths, we ensure that every turned, milled, part meets exacting specifications, reducing errors and streamlining set-up times. This digital-first approach allows for seamless integration with our CNC machinery across metal, wood, and plastics, enabling rapid prototyping, flexible customization, and consistent results, no matter the complexity of the component.

Wood / Plastic Sheet Machining

- Bussalto CNC – 2800mm x 1300mm pod and rail
- SCM Pratic – 2600mm x 1300mm flat bed

In addition to our extensive turning and milling capabilities, our facility is equipped to handle diverse finishing processes and specialized machining tasks, enabling us to deliver high-quality results for a wide range of applications. From large-scale sand blasting and precision aqua blasting to advanced fiber laser marking and wet spraying, every step is optimized for efficiency and consistency. Our expertise further extends to wood and plastic sheet machining, as well as fiber glass, where our CNC equipment allows for precise fabrication of complex components, supporting both prototyping and production requirements across industries.

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