

# edgecam

## Mill/Turn Machining

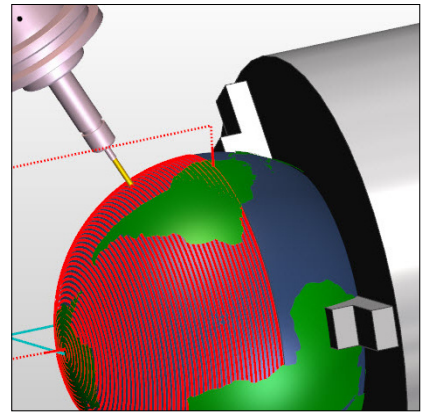
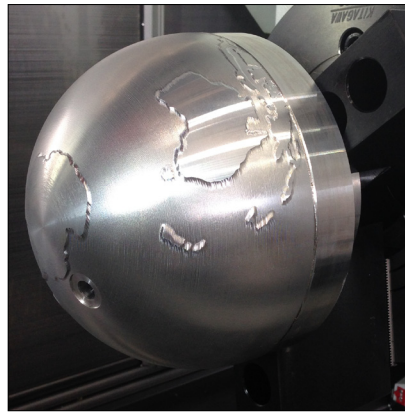
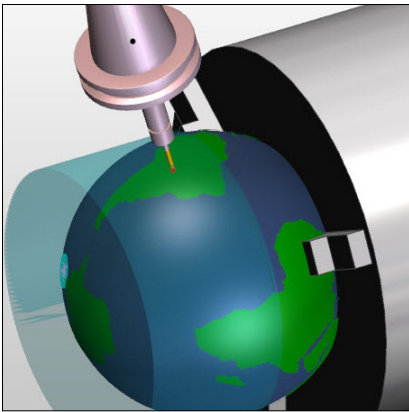
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With the use of multi axis, upper turrets, lower turret, CYB and sub spindles, mill/turn machines have many uses and allow much more flexibility and capabilities not offered from other machine configurations.

The use of tail stocks, steadies, sub spindles, twin turrets along with C-Axis, CY-Axis and B-Axis are regular features on today's multi-task machine tools.

In this collision rich environment, the programming of mill/turn machines is made simple and safe utilising Edgecam's turning and milling combinations in a single environment.





## NTX 2000 – Edgcam Programmed Features

Edgcam Turning provides functionality for a wide range of machine tools, including 2-Axis lathes, multi-turret configurations, sub-spindle turning centres and mill/turn machines. On a mill/turn machine, C-, Y- and B-Axis milling and drilling take place within the same program as the turning to provide a fully integrated and associative programming solution.

Edgcam fully supports all axis configurations from the most basic 2 axis turning centre, right through to a CYB multi-turret sub spindle mill/turn.

Five axis finishing across multiple faces is similar to a parallel lace or scanning tool path but controls the tilt relative the surface which is driving the cycle.

## NTX 2000 – Project Details

<b>Machine :</b>	<b>Mori NTX2000</b>
<b>Spindle :</b>	<b>Mill : 12,000 RPM Turn : 6,000 RPM</b>
<b>Type :</b>	<b>Capto C6</b>
<b>Coolant :</b>	<b>Soluble</b>
<b>Controller :</b>	<b>Fanuc</b>
<b>Material :</b>	<b>Aluminium</b>

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## Post Processor

Edgcam Post processor graphics reflect the kinematic structure of the machine tool giving the benefit of both the Linear & Rotary Axis being checked.

This enables the programmer to feel confident prior to running on the machine tool.

If the machine table is requested by the programme to move to an angle beyond its limit – Edgcam will warn the user and automatically provide an alternative solution.

This ensures that there is less machine downtime proving out programmes on the machine creating a more efficient process.

Datum handling on XY&Z Axis is automatically aligned allowing the user to focus on the task of programming.