

Determination of the rotational contour in a turn-mill process

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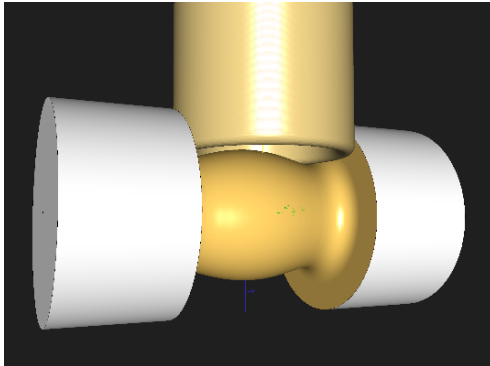
ModuleWorks (represented by Claudio Schirrmann, Bastian Pranzas)

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Turn-mill process

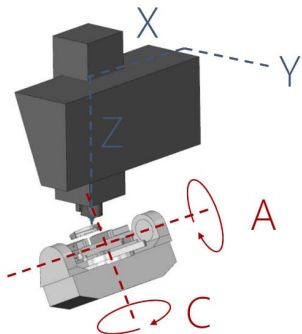
Description:

- A tool presses down on a workpiece which rotates at a high speed to give required shape to the workpiece.
- The tools and workpiece are important for all sorts of industries such as manufacturing, construction, medical and dental surgical instruments.

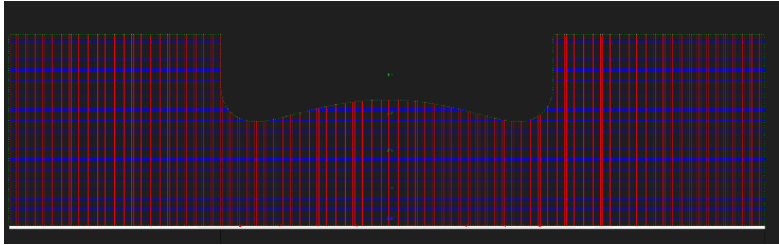


Challenge

- An algorithm for the rotational contour of the workpiece after the milling process.
- As an example consider the image below. (Source: ModuleWorks)
- Here we will only consider the X and Z axes.



Your task?



- Identify the points of intersection between a tool and a workpiece.
- Connect the points of intersection with piece-wise polylines.

Good luck! 😊