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# Case Study – Plunge Milling

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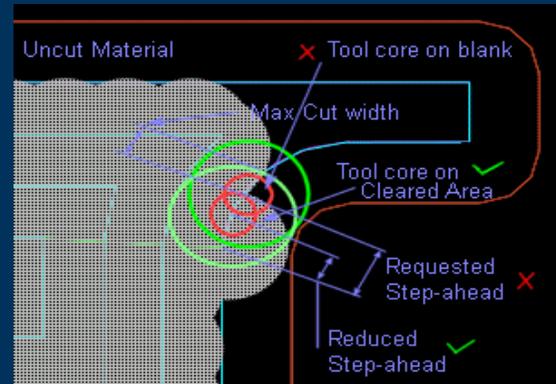
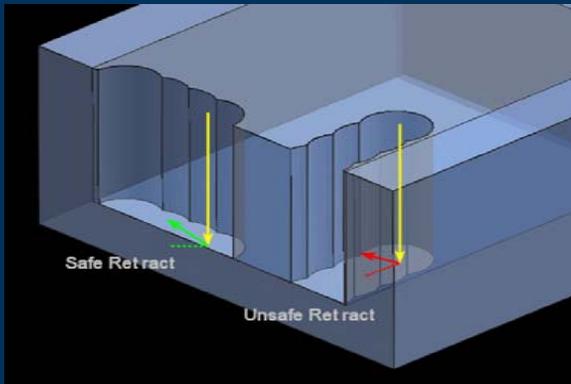
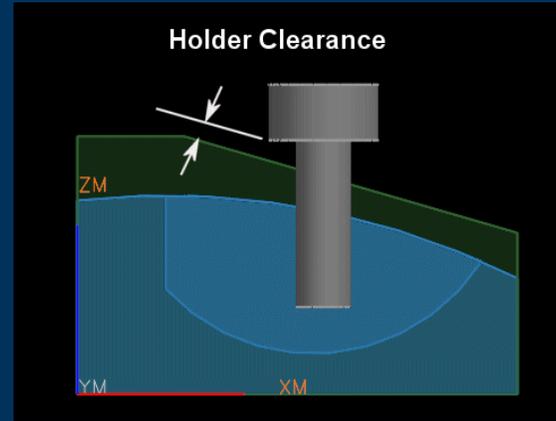
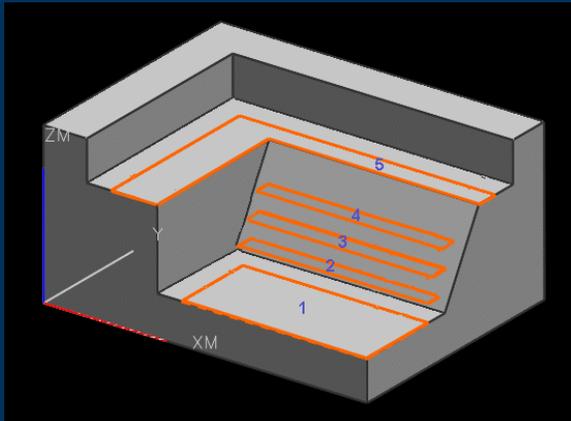
# Plunge Milling



- ▶ Higher Metal Removal Rate
- ▶ Especially efficient for roughing deep pockets
- ▶ Good for finishing hard-to-reach vertical walls in automotive dies. (Can afford to use really long tools since there is less radial cutting force.)
- ▶ Bottom up cutting: Cuts begin at the lowest position within a pocket and progress only upward from that position
- ▶ Max Cut Width: Plunge mill must have a parameter to indicate the maximum width of cut
- ▶ Retract Move: An optional retract move must be provided to move the tool away from the material just cut

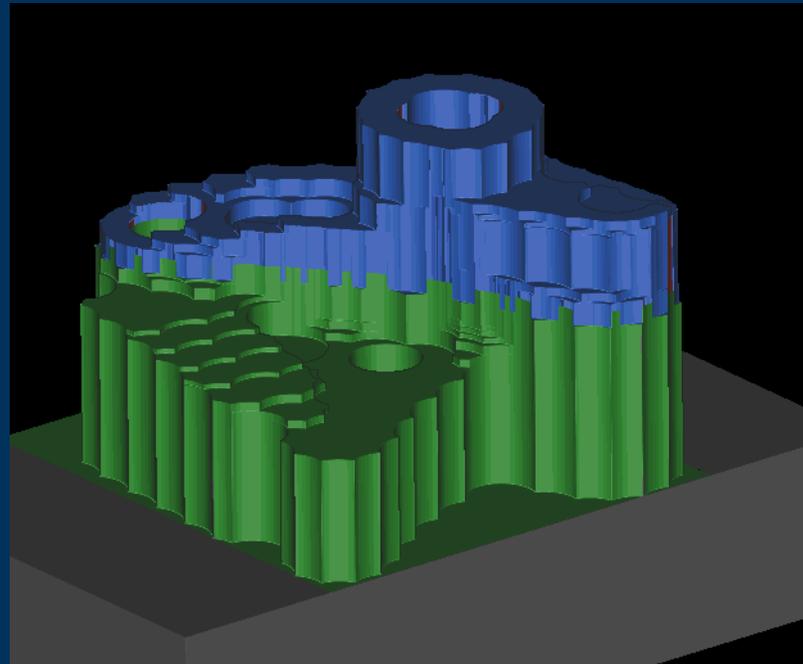
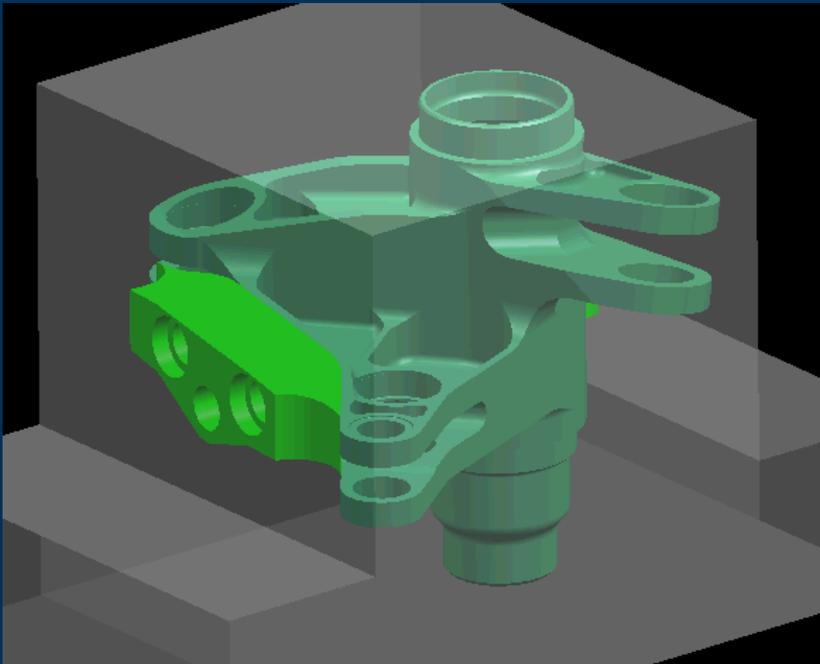


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High volume roughing.



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Thank You