

Question: How to project tool life?

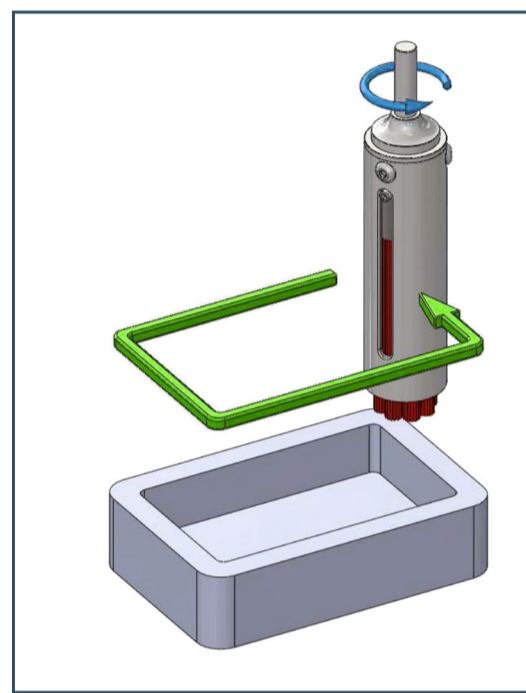
Answer:

Tool life differs on burr size, material, tool path, interrupted cuts, etc. Therefore it is difficult to calculate exact life cycle. However, refer to the diagrams below for reference.

CASE 1: TOOL LIFE

**Material:
Aluminum Diecasting**

Traveling distance/pc = 1,000mm
= 10,000pcs.

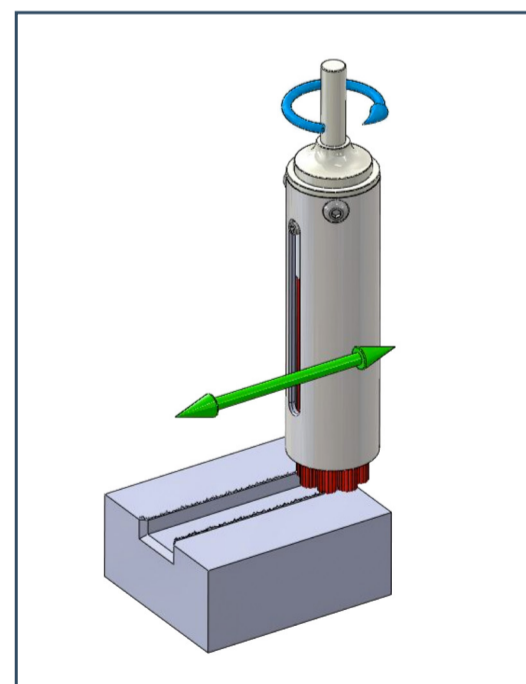


Workpiece	Control Box
Brush	A11-CB25M (25mm red brush)
RPM	4,000 min ⁻¹
Feed Rate	94.5 inch/minute
Depth of Cut	0.040"
Used Length	2" out of 3"
Pre-Processing	Face Milling
Burr Thickness	0.004"

CASE 2: TOOL LIFE

**Material:
Steel (Carbon 0.5%)**

Traveling distance/pc = 200mm
= 15,000pcs.



Workpiece	Control Box
Brush	A11-CB25M (25mm red brush)
RPM	4,000 min ⁻¹
Feed Rate	78.75 inch/minute
Depth of Cut	0.020"
Used Length	2" out of 3"
Pre-Processing	End Milling
Burr Thickness	0.004"