

# Plate

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## Workpiece information

Industry	Automotive
Part name	Plate
Material type	SPH440
Cutting process	Others

## Processing conditions

Tool	XEBEC Brush Surface (A11-CB60M)
Processing detail	Deburring the external circumference edge and (4) bores
Spindle Speed (min <sup>-1</sup> )	900
Depth of cut (mm)	1
Machining time (sec)	3

### Before

**Tool** Plastic brush

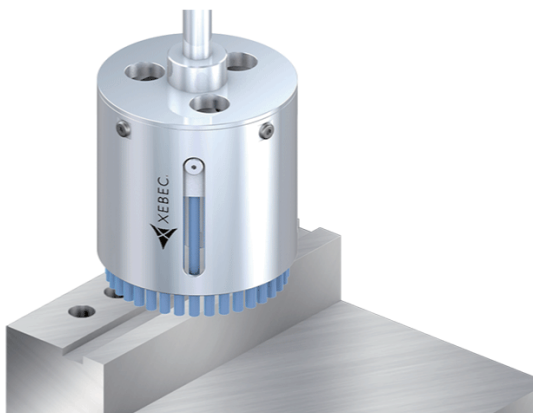
**Problem** The brush edge deformed. The inner diameter of cross hole H7 could not be maintained. Mass production machining was not possible.



### After

**Tool** XEBEC Brush for Surface (A11-CB60M)

**Result** Deburring with maintaining the inner edge profile of cross hole H7 without deformation realized. Quality requirement achieved. Also, tool life 65000 pcs/brush realized.



Deburring after face-milling, end-milling and drilling  
Cutter mark removal and polishing on surface

## Tool > XEBEC Brush™ Surface

Ideal for deburring, cutter mark removal and polishing on surface

