

## SUS mold

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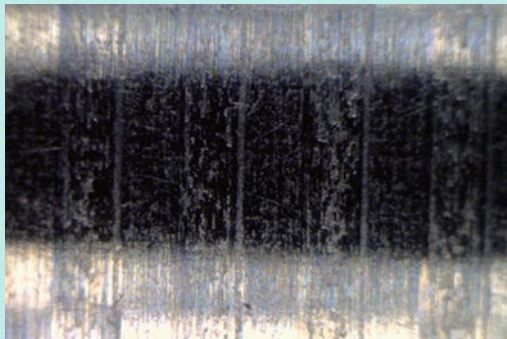
### Workpiece information

Industry	General Machinery
Part name	SUS Mold
Material type	SUS304
Cutting process	End mill processing

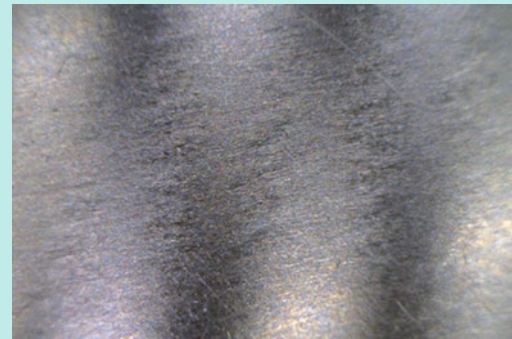
### Processing conditions

Tool	XEBEC Brush for Surface (A31-CB25M+A11-CB25M)
Processing detail	Removal of cutter marks and polishing after ball-end milling process Tool used : A31-CB25M, Rotation speed : 5000min <sup>-1</sup> , Feed : 1500mm/min, Depth of cut : 0.3 mm and Tool used : A11-CB25M, Rotation speed : 5000min <sup>-1</sup> , Feed : 6000mm/min, Depth of cut : 0.3mm
Spindle Speed (min <sup>-1</sup> )	3,200
Table Feed (mm/min)	1,500
Depth of cut (mm)	0.1
Machining time (sec)	81

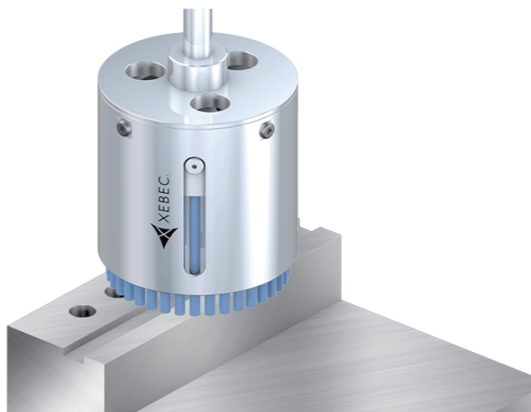
### Before



### After



Tool	XEBEC Brush for Surface (A31-CB25M+A11-CB25M)
Result	Surface roughness improved from Ra 0.21μm, Rz 1.56μm to Ra 0.03μm, Rz 0.35μm respectively.



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

