

Flange (Mounting hole)



Workpiece information

Industry	Automotive
Part name	Flange (Mounting hole)
Material type	Aluminum
Cutting process	Drilling

Processing conditions

Tool	XEBEC Back Burr Cutter and Path (XC-38-A)
Processing detail	Back deburring after drilling
Spindle Speed (min ⁻¹)	6,000
Table Feed (mm/min)	900
Machining time (sec)	—

Before

- Tool** Curved bearing scraper
- Problem** CNC deburring was not possible due to an off-centered edge. It was not possible to make a path data by users. Manual deburring was time-consuming because no scratch was allowed on a certain part of workpiece.



After

- Tool** XEBEC Back Burr Cutter and Path (XC-38-A)
- Result** Edge quality improved by CNC deburring. Defective products caused by scratches eliminated.



Deburring after drilling

Tool XEBEC Back Burr Cutter and Path™

Deburr and chamfer the front and back of multiple elliptical or off-center holes in a single pass.

