

# Pipe (Edge face)



## Workpiece information

Industry	General Machinery
Part name	Pipe (Aluminum)
Material type	Aluminum
Cutting process	Cutting processing

## Processing conditions

Tool	XEBEC Brush Surface (A11-CB25M)
Processing detail	Deburring the section after cutting process
Spindle Speed (min <sup>-1</sup> )	4,000
Table Feed (mm/min)	3,000
Depth of cut (mm)	1.0
Machining time (sec)	—

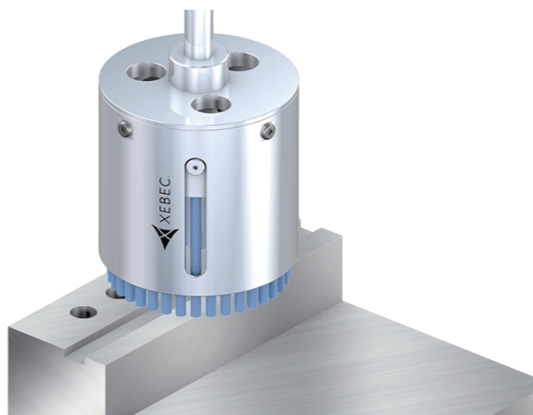
### Before

- Tool** File
- Problem** Burrs on the inside and outside edges of the pipe were manually removed by filing. Time-consuming and inefficient work. Finish quality was not consistent.



### After

- Tool** XEBEC Brush Surface (A11-CB25M)
- Result** Fix and put 12 pipes together with a jig and deburr them all at once. Achieved efficient automatic deburring in a shorter time. Edge shapes became uniform and finish quality was improved.



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

