

Hydraulic block



Workpiece information

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|-----------------|-------------------|
| Industry | General Machinery |
| Part name | Hydraulic block |
| Material type | Aluminum |
| Cutting process | Drilling |

Processing conditions

| | |
|------------------------------------|---|
| Tool | XEBEC Back Burr Cutter and Path (XC-28-B) |
| Processing detail | Back deburring after drilling |
| Spindle Speed (min ⁻¹) | 2,000 |
| Table Feed (mm/min) | 160 |
| Depth of cut (mm) | — |
| Machining time (sec) | — |

Before

Tool Grindstone

Problem CNC deburring was given up once due to various combinations of cross holes and tools were required respectively. Manual deburring with files was inefficient and time consuming.

After

Tool XEBEC Back Burr Cutter and Path (XC-28-B)

Result CNC deburring realized with just 1 type of tool despite many combinations of holes to deburr.



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.

