



Transmission Component: ALVAN® Reamer

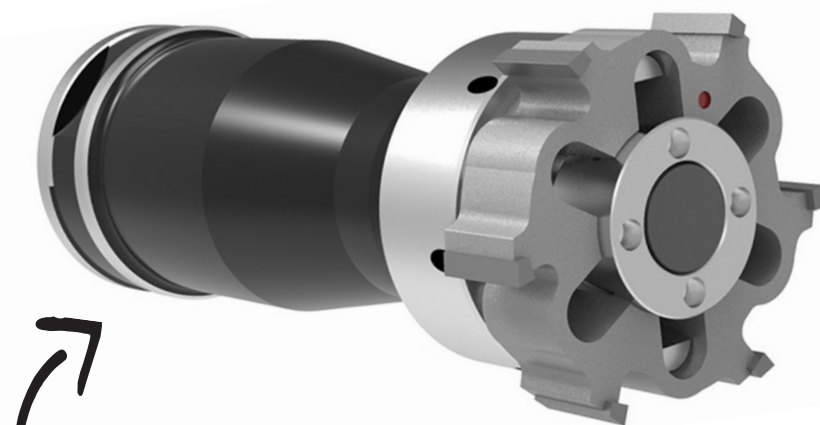
The customer is manufacturing automotive transmission components made from 9% silicon aluminum. They are using a Daewoo VMC running with a 1000 PSI ChipBlaster with through spindle coolant

In order to improve their production process, the customer needed to lower their cost of production while maintaining the existing hole quality.

The **ALVAN® Reamer** lowered the customer's cost of production while maintaining the previous hole quality.



Product: ALVAN® Cutting Ring Reamer Objectives: Decreased production cost Industry: Automotive Part: Transmission component Material: Silicon aluminum Hole Ø: 1.26" Hole Depth: 3.00"	Measure	Competitor Reamer	ALVAN® Reamer
	RPM	2425	2425
	Speed	800 SFM	800 SFM
	Feed Rate	0.025 IPR	0.025 IPR
	Penetration Rate	60.63 IPM	60.63 IPM
	Cycle Time	5 sec	5 sec
	Tool Life	10,000 holes	10,000 holes



► ALVAN® Cutting Ring Reamer
Item No. 050120-3
Ting: 050120-2

13% total cost savings

The ALVAN® Cutting Ring Reamer provided:

- ✓ Increased number of regrinds
- ✓ Superior chip control
- ✓ Decreased production costs