



# CASE STUDY

## PROCESS, SPECIALTY

### INDUSTRY

› Automotive

### APPLICATION

› Valve re-facing machine that precision- grinds valves on cars, trucks and buses while they are still mounted on the vehicles

### ORIGINAL DRIVE DESCRIPTION

› Standard competitor V-belts



### Problem

Chain wear and stretch caused bottles to fall to the floor, resulting in significant production loss. Chain vibration caused stress and eventual failure of bearings, and they had to be replaced too often. The plant was also having issues with grease and rust accumulating on the chain.

### Solution Drive Description

Poly Chain® GT® Carbon® system with two opposing drives consisting of 8MGT-800-36 belts and two 8MX-50S-36 stainless



### Benefits of Gates Drive

After seven years, the same Gates belt is still running smoothly - up to 16 hours a day, seven days a week - at a higher speed than the conventional belts. Belt slip has been significantly reduced, increasing efficiency and belt life. Little maintenance is required on the Polyflex belts, and it is resistant to shock loads, abrasion and chemicals. Customer officials report same day “pay back” on the Polyflex drive conversion because of less labor and fewer materials needed for the smaller Polyflex drive package.

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