

# AUTOMOTIVE KEY MANUFACTURING

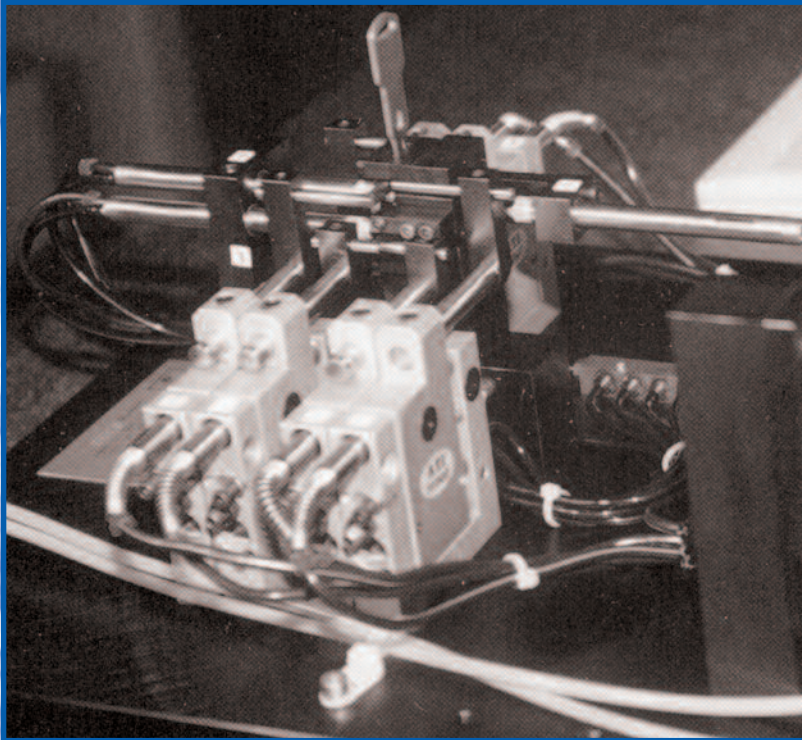
## Case Study

### Problem:

The manufacturer had a double fixture gage requiring two loads per part that had poor Repeatability and Reproducibility (R&R). The information from the gage was not accurate enough to use for process control. Consequently, the customer could not maintain the quality levels desired from the production line.

### Solution:

A Kurt Check single loading modular gaging system was purchased for the production line (1/4 of the cost of the old gage) to measure the various dimensions required. The operator loaded a part in less than two seconds and with a single key stroke is now able to capture and chart all the dimensions. The gages R&R was less than 6% on all the characteristics giving the operators the confidence to use the gage as a tool to maintain statistical control of the process.



## AUTOMOTIVE KEY MANUFACTURING



Production Process	Grinding and Milling
Number of Characteristics	32
KURT CHECK System Solution Price	\$27,000.00
Tolerances Required	.00025"
Deliver of Kurt Check Gaging System	7 weeks
Accuracies Achieved	.00002"
Gage R&R Results	Less than 6% at 6s

1.800.343.9884

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