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**CASE STUDY
LOWER COST PRODUCTION
LATHES ARE BEING USED AS AN
ALTERNATIVE TO CNC MACHINES
IN MANY SMALL PARTS PROCESSING
OPERATIONS**

Modern production lathes are increasingly being used in place of costlier, more complex CNC machines for many part processing and second operation applications. Advancements in this technology enable production runs numbering in the thousands to be performed more quickly, with less operator skill while offering longer cutting tool life.

The McLean (3) axis production lathe is an example of production lathe design that fulfills this promise. Setup and programmed automation for each job is achieved via a touch screen which can store programs for easy change from one part or operation to another. The McLean system allows each of its optional (3) slide mechanisms to work in virtually any combination to perform grooving, chamfering, boring, drilling and other basic "CNC" type production chores. The slides may be programmed to work individually in any sequence, or any two, or all three to work simultaneously. Each slide is air powered. The feed rate is hydraulically controlled by a Deschner Kinechek® speed regulator incorporated in each slide mechanism to provide precise, infinitely adjustable feed control. The Kinechek hydraulic speed regulator built into the slides on the Mclean production lathes assure the cutting tool will move smoothly while the part is being machined to provide a fine finish and prolong cutting tool life.

The McLean production lathes may be considered as a more affordable alternative to CNC machines for many types of applications.

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**Kinechek
Speed Regulators**



McLean Production Lathe using Deschner Kinecheks