

# TECH NEWS & TIPS



Welcome to the  
**Deschner Tech  
News & Tips  
newsletter #1.**

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Kinechek and Cushioneer  
Leakproof solutions to your  
motion control problems.



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[www.deschner.com](http://www.deschner.com)

## Cushioneer® vs. KINECHEK®

### WHICH DESCHNER PRODUCT IS RIGHT FOR YOUR APPLICATION

For over 45 years Cushioneer leak-proof shock absorbers and Kinechek speed regulators have provided millions of cycles of maintenance free performance to industry. It's important to select the right Deschner product for your application.

**CUSHIONEER** shock absorbers are designed to smoothly decelerate fast moving equipment. The plunger rod on a Cushioneer moves relatively fast at the beginning of its stroke and steadily slows as the plunger rod is depressed. Cushioners are used in in-

stances where a crashing load must be brought to a gentle, gradual stop. Cushioners are ideal for use in material handling equipment as well as production machinery of all types.

**KINECHEK** speed regulators are designed to control how fast a device moves. The plunger rod on a Kinechek moves smoothly at a constant rate throughout its entire stroke length. Kinecheks, as you'll learn, are essential to controlling the feed rate of air powered slide mechanisms used in operations performed by a production lathe among many other applications.

With this in mind, read on about the customer who is just replacing their Kinechek after 25 years of constant use—an estimated service life of many millions of cycles! You'll also find out what makes Deschner products so special on the "inside" and how they're being used in the field everyday.

Email us at:

[info@deschner.com](mailto:info@deschner.com) to let us know what you'd like to hear about.



**Mini K Kinechek**

## CASE STUDY—MCLEAN INC.

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

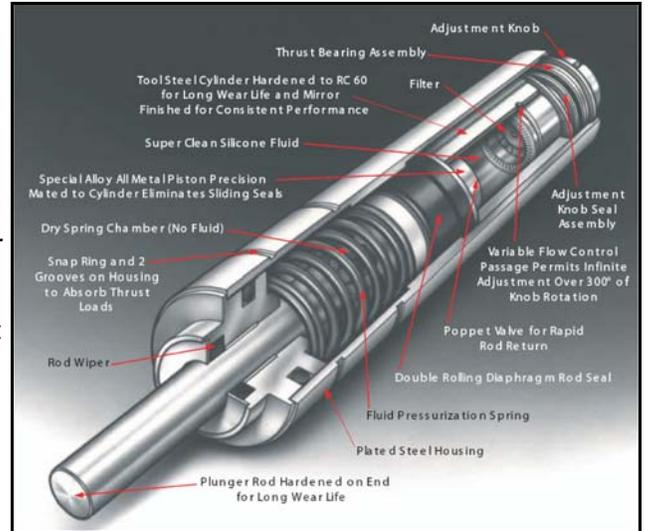
achieved via a touch screen which can store programs for easy change from one part or operation to another. The McLean system allows each of its optional (3) slide mechanisms to work in virtually any combination to perform grooving, chamfering, boring, drilling and other basic "CNC" type production chores. 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 long cutting tool life. The McLean production lathes may be considered as a more affordable alternative to CNC machines for many types of applications.

Deschner products are designed to solve your customer's motion control challenges. In these pages we intend to provide you with "real world" information to demonstrate how Deschner products are being used everyday and help you select the right Deschner product for your application.

## QUALITY ON THE INSIDE

What makes Deschner products so special? Take a look inside—"Special alloy all metal piston precision mated to cylinder. (No sliding seals)" "Double rolling diaphragm rod seal" Yes, these are just a couple of the features that assure flawless leak proof performance. "Tool steel hardened cylinder, hardened to RC 60 for long wear life and mirror finished for consistent performance" This product is built to last! "Variable flow control passage permits infinite adjustment over 300 degree of knob rotation" You'll never worry about getting the unit set just right. Deschner products are Engineered to help keep your applications running longer and save you money in the long run.



**There's more. Deschner products have always been and continue to be leak-proof over millions of cycles due to their patented design and the high quality materials used in their construction. The durability of Deschner products enable the company to make this promise: "Your Deschner product can be serviced for as long as you own it."**

## EVEN DESCHNER PRODUCTS REACH RETIREMENT AGE, (BUT NEVER COLLECT SOCIAL SECURITY!)

### THE ROSENBOOM STORY

Chris Kyle of Rosenboom Machine & Tool, Inc. ordered a new 3 inch Kinechek speed regulator for their Nicholls Miller brand cut off saw. They purchased the cutoff saw used, over 15 years ago. The Kinechek, which was installed when the saw was originally manufactured had, over the years, been painted over during numerous

refurbishments, covering the serial number. We asked Chris to send us back the original unit. When we removed the paint, the serial number revealed that the Kinechek was over 25 years old! As is our promise with all Deschner products we offered to rebuild the original unit. Chris elected to purchase a new unit because he stated that "If the old



one lasted for over 25 years, the new one will outlast me" We trust his new Kinechek will still be providing trouble-free operation when he is collecting social security payments!

### DESCHNER QUALITY LEAK-PROOF SOLUTIONS TO MOTION CONTROL

For over 45 years, Deschner products have been the quality answer to a wide variety of motion control applications, from use in food processing equipment and machine tools, to aerospace. The high quality materials used in their construction and patented, hermetically sealed design guarantee leak-proof performance over millions of cycles.

#### Cushioneer™ "The hydraulic shock absorber that won't leak"

Cushioneer shock absorbers stop fast moving loads without bang or bounce. Infinitely adjustable, they're available in a variety of stroke lengths with energy capacity of up to 1000 lbs. A self adjusting model is also available—just set it and forget it!

#### Kinechek™ "Speed/feed control—constant rate of speed over the entire stroke length"

The Kinechek precisely regulates the speed or feed rate of moving devices. Not just another check, its smooth operation is maintained by its super clean silicon fluid sealed for life and filtered in every stroke. The Kinechek's frictionless rolling diaphragm seal assures it won't spill even a drop of fluid.

"Your Deschner product can be serviced for as long as you own it!"



Visit our newly designed website [www.deschner.com](http://www.deschner.com) for instant PDF specs and easy ordering. Most models are available for immediate delivery.

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**We're here to help you choose the right product for your needs. Please contact us for assistance.**

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