



NEWS BUREAU



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## **CASE STUDY----PORTABLE LEAKPROOF SPEED REGULATORS IMPROVE AIR FEED DRILLING OPERATIONS**

Traditional Air feed drills used for repetitive drilling operations required a cumbersome hydraulic system to control the feed rate of the drill. This bulky hydraulic control was either attached to the drill itself, making it heavy and hard to handle or was separate from the drill and connected with a hose, limiting it's portability. These systems were susceptible to fluid leaks, required constant maintenance, and were prone to let air into the system causing the feed rate of the drill to fluctuate widely.

With the introduction of the Deschner Mini K Kinechek® hydraulic speed regulator built into the HS Tooling air drill, the drill is now portable, light and compact. The Kinechek enables the air tool to drill with a steady feed rate and requires no maintenance due to it's hermetically sealed, leakproof design. The overall efficiency of drilling operations are also improved by its ability to easily change the "feed rate" to suit various hole diameters and type of material being drilled by simply turning the built-in adjustment knob.

The Nutplate Drillmotor NPDM II-B. (shown in illustration) from HS TOOLING, is used extensively in the aerospace industry. The drill may be held by one hand to locate, drill and countersink rivet holes in a single 4 second operation. The tool is easily converted from one rivet hole spacing to another by interchanging the foot attachments and spindle spacing block.

Air feed drills with an easily adjustable speed regulator offer a simple to operate solution to repetitive small hole drilling operations with less operator fatigue.

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**DESCHNER MINI K KINECEK  
MOUNTED ON US INDUSTRIAL TOOL  
NUT DRILL.**