

## ADDING VALUE TO YOUR PARTS – TAPPING

**Issue:** You are currently performing secondary operations on your parts to tap holes or add pemserts.

**Solution:** Use your turret punch press to tap holes faster, eliminate additional parts handling and reduce opportunities for parts damage. Challenged with goals to improve the fabricating process, our customers are looking for innovative methods to cut overhead and time/dollar consuming secondary operations. Many are finding that the time taken away from punching holes to add tapping operations in the turret punch press is more than an even trade.

Available from d/k technologies and Wilson Tool, is an in-turret tapping tool for our Motorum, Vectrum and Magnum line of machines. Tools are available for both the Wiedemann 114 and thick turret style turrets. These tools use roll type taps. The tapping units are durable, only basic maintenance is required and taps are easily replaced.

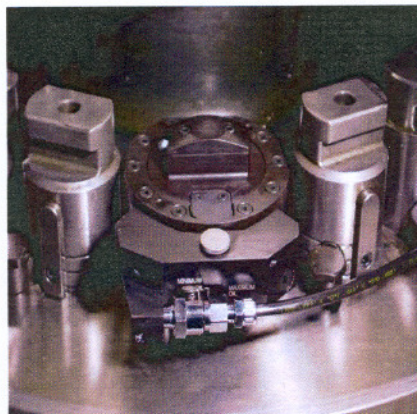
Murata has worked closely with d/k technologies to help design and test the tools for our machines. It is programmed like any other punching tool. These tools are rated up to 180HPM. Hit rates will vary based on machine style and application. With thicker material, a punched hole can be tapped directly. With thinner material, a punched and extruded hole is tapped.

The NCT3 model can tap holes from size 2 - 12 (M2 - M5). The heavy duty NCT3.5 model can tap holes from size 12 - 3/8 (M6 - M10). A tank is mounted to the interior portion of the turret using magnets that contains the tapping oil. Each time the unit taps a hole, a pump mechanism will spray oil on the sheet prior to tapping.

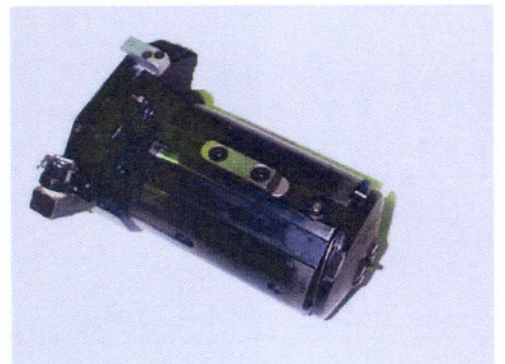
Customers that are interested in this tapping tool should contact d/k technologies [www.dktech.net](http://www.dktech.net) or Wilson Tool [www.wilsontool.com](http://www.wilsontool.com) to review your application. Murata will support the use of the tapping tool in our machines.



Thick Turret DK Tap



Wiedemann Style DK Tap



Thick Turret DK Tap – Side View