

October 2012

## Introducing Nexus Cutting Tools (by Techniks)

Unveiled at IMTS 2012, the lineup of Nexus Cutting Tools includes face mills that feature an innovative shrink-fit connection to the arbor (ShrinkMILL), indexable end mills that also can be shrink-fit into a holder (PowerLOC), and high-performance inserts for milling, turning, and boring. These new inserts feature a patented PVD application process and advanced edge geometries by Lamina Technologies that permits insert coatings up to 5X thicker than current technology for greater feeds & speeds, improved surface finish and greatly extended insert life.



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According to John Stagge President of Techniks: *"Patented advances we have made in ShrinkFIT toolholder design eliminate the poor arbor tolerance of face mills, and toolholder imbalance associated with end mill holders. The PowerLOC end mill and ShrinkMILL face mills, – both make a perfected ShrinkFIT connection with the toolholder, providing the same high-performance and extended tool life that regular ShrinkFIT brought to carbide cutting tools 20 years ago. Combined with our new high-performance inserts, the cost-savings and performance benefits Nexus Cutting Tools provides is unequalled in the industry."*

ShrinkMILL technology removes the tolerance between the face mill and the arbor, and features a patented ShrinkFIT tool change, bringing the rigidity, holding power, and near-perfect runout of ShrinkFIT to face milling applications. ShrinkMILL face mills provide 30% better T.I.R., increased insert life, improved surface finish, (eliminate or reduce finish passes) and faster metal removal rates. See the Special Introductory Offer from Nexus on it's ShrinkMILL tooling package (below).

PowerLOC indexable end mills feature a shank that is manufactured to ShrinkFIT tolerances, and also has a square-end that positively engages with the toolholder body to prevent spinning the tool. Use PowerLOC end mills with a ShrinkLOC holder for maximum rigidity, accuracy, and holding power. The advantages that a ShrinkFIT connection provides (faster speeds & feeds, longer insert life, better surface finish) yield cost savings that other end mill holders cannot match.

PowerLOC end mills can also be used with a Techniks collet chuck (equipped with a PowerLOC adapter) for substantial performance gains and insert life compared to end mill holders. PowerLOC technology turns Techniks collet chucks into highly accurate milling chucks, with much greater accuracy and balance than end mill holders can provide.

### Nexus Special Introductory Offer – CAT40, CAT50, BT40 Milling Packages

From now thru December 28th, 2012 Techniks is making a special introductory offer on its Nexus Milling Packages for CAT40, CAT50, and BT40 machine spindles. Each package offers your choice of a 45° or 90° Nexus ShrinkMILL or regular face mill, a package of 10 Nexus high-performance inserts, and a Techniks Certified face mill arbor. The milling package is complimentary when you purchase 12 ER collet chucks from the offered selection.

Call Techniks at (800) 597-3921 or (317) 803-8000 for more information. email: [info@techniksusa.com](mailto:info@techniksusa.com)

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