

## ▶ NEW TRENDS IN CUTTING TOOL PRODUCTS

JASON FARTHING, TECHNICAL SALES AND MARKETING, HORN USA



One trend in cutting tool products that has developed over the past few years is internal cooling, through tool holders and inserts. The idea and concept behind this trend is easy to understand and comprehend as supplying coolant directly to the cutting tool edge helps tremendously in removing chips from the work piece.

As usual, this trend has taken some time to gain a foothold due to the difficulties in manufacturing tool holders and inserts. Early adaptations were more of a marketing ploy instead of a valid solution



as the coolant did indeed go through the insert or tool holder, however, cutting tool manufacturers directed coolant toward the cutting edge, not directly to the cutting edge where it would be the most effective.

This marketing ploy has turned into an extremely effective solution with the improvements in deep hole drilling technology, advances in molding or sintering of carbide inserts and analysis of the most effect way to remove the chip from the work piece via coolant. Now manufacturers direct the coolant to the edge and effectively remove the chips from the work piece area.

Industrial manufacturers used this feature very effectively in drilling operations for many years, however, now it is readily available for operations such as parting off, threading, grooving, as well as pocket milling, profile milling and groove milling.



FARTHING

YOUR WEEKLY E-NEWSLETTER FROM INDUSTRIAL SUPPLY MAGAZINE

# IS WEEKLY

## Subscribe

to our weekly e-mail  
newsletter

Keep up to date on:

- > Current industry news
- > Upcoming events
- > White papers
- > Thought-provoking articles

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

