NEW INSERTS FOR THE VPX 200 INDEXABLE TANGENTIAL INSERT CUTTER SERIES

Mitsubishi Materials high performance, indexable tangential insert, milling cutter range, VPX200, has been expanded to include a brand new type of insert. The new insert, known as the L-breaker type will now be offered together with the existing M-breaker. Designed with a sharper geometry than the existing M-breaker, means it becomes the optimum choice for machining mild steels, stainless steels and aluminium, as well as titanium under stable machining conditions. Usability and choice of the new L-breaker is further enhanced by being available in 1 uncoated and 7 coated and grades, each with a choice of corner radii ranging from 0.2mm through to 1.6mm.

Multi-functional
The VPX series has the ability to be used over an extremely wide range of milling functions, ranging from standard shoulder milling through to ramping and pocketing. This multi-functionality was a key factor in the original design parameters, together with the knowledge that today’s machinists require both high performance and optimum usability to reduce cutting tool inventories.

Tangential double sided inserts
The insert geometry provides the required toughness together with the ability of multi-functionality. Importantly, the inserts are double sided and therefore provide the essential element of economy.

Insert grades and coatings
8 different types, including the latest MP6100, MP7100 and MP9100 series of grades are offered to cover machining of materials from carbon, stainless and hardened steels through to cast iron and difficult-to-cut materials.

Both the VPX 200 and larger 300 series cutters are available in 2 different sizes to accommodate both large and smaller machines. The 200 series has 09 size inserts, whilst the 300 has larger 12 size inserts and both series are available in shank, screw-in and arbor types, ranging from Ø16 - Ø80.