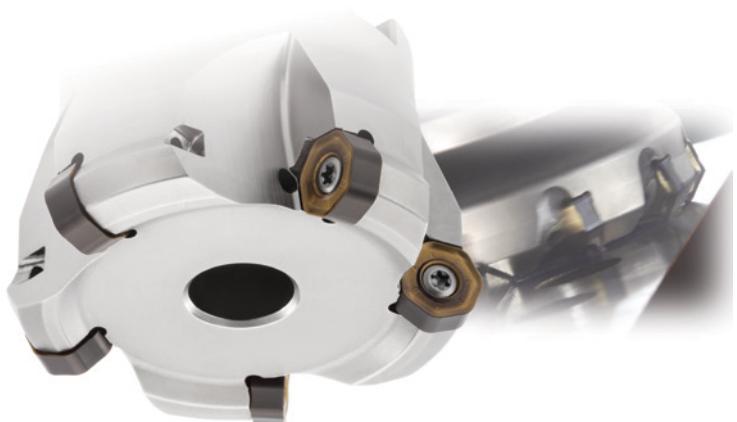


## NEW AHX475S FACE MILLING CUTTER FOR HIGH FEED FACE MILLING

After the success of the original AHX640 series, plus the AHX440 type designed with smaller inserts for use on compact and lower power machines, it was an easy decision to develop a new style of cutter for high feed face milling of steels, cast iron and harder materials. The new cutter body of the AHX475S lends itself to higher feeds due to the 75° approach angle geometry. The same high performance, economical 14 cutting edge inserts used on the 440 type can also be utilised, enabling smaller and low power machines to also carry out successful machining.

New for steel machining are Mitsubishi's latest range of Miracle Sigma technology, PVD coated MP inserts. The latest MP6120 and MP6130 grades are ideal with the L and M chipbreaker geometries. Stainless steels are easily machined by using the tough new grades MP7130 and MP7140 that have high resistance to thermal cracking and a smooth surface to prevent chip welding. The HRSA range of materials is ably covered with the introduction of the new MP9120 and MP9130 grades and are available



for the larger AHX640 series of cutters. The tried and trusted MC5020 and VP15TF inserts are also available for efficient milling of cast iron. Additionally, utilisation of the highly versatile range of inserts that utilise Miracle Sigma coating technology means that AHX cutters are extremely useful when used across both small job shop batches on different materials or in high productivity environments. For the AHX440 series, two new wiper inserts in grades MC5020 for cast iron and VP15TF for general machining are also now included in the range.



Reduction in overall production costs and improved productivity is a constant theme in the modern workshop; and with heptagonal double sided inserts giving 14 cutting edges, the AHX series goes a long way towards reducing machining costs. Additionally, a simple but robust single screw clamping mechanism also improves insert indexing times. The rigidity needed from the clamping mechanism itself is provided by a full circular contact between the pocket seat and the insert. Furthermore, identification of the insert corners is made easy when indexing is required due to the numbers 1 to 7 being sintered onto the insert at the manufacturing stage.

The AHX cutter range is available in fine, medium and super fine pitches in various sizes from Ø40- Ø315.

ISO		GRADE SELECTION											
P	PVD	M	PVD	K	CVD	PVD	S	PVD	H	PVD			
P10	MP6120	VP15TF	M10	VP15TF	K10	MC5020	S10	VP20RT	H10	VP15TF			
P20	MP6130	VP20RT	M20	VP20RT	K20	VP20RT	S20	VP20RT	H20	VP15TF			
P30	NEW	MP6130	M30	MP7130	K30	MC5020	S30	MP9120	H30	MP9130			
P40	NEW	M40	NEW	MP7140	K40	VP20RT	S40	NEW	H40	VP15TF			