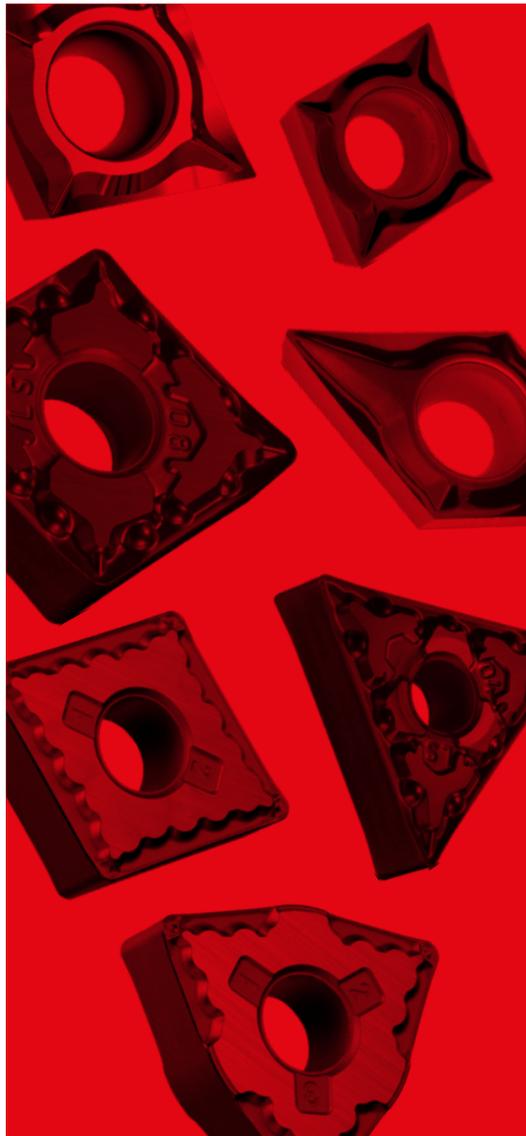


04/2025 – 04/2026

PRODUCT NEWS



Digital version



PRODUCT NEWS SYSTEM



NEW PRODUCTS AND SERIES EXPANSIONS AT A GLANCE

Mitsubishi Materials is consistently focusing on specific customer needs to better meet the challenges of the modern metal working industry.

HOW IT WORKS

Twice a year (April & October) all new products or series expansions are published. This catalogue shows all the turning, milling, drilling and MPlus products that have been launched since the publication of the general catalogue C010. These products are highlighted either with a red New icon or a grey New icon.

NEW = Completely new products or expansions released in the current Spring or Autumn product launch and are not included in the latest version of the General Catalogue.

NEW = Products or expansions that have already been introduced in one of the previous Spring or Autumn product launches but are not included in the latest General Catalogue.

WE ARE GOING MORE DIGITAL

For more information about the products in this leaflet, such as dimensions, cutting data etc. scan the QR code on each product page.



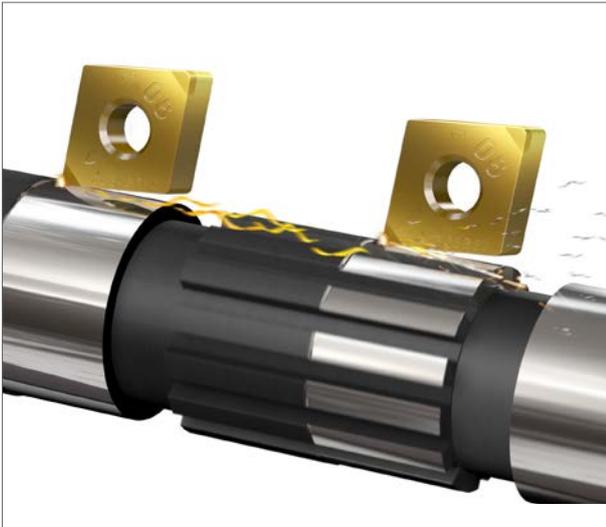
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TURNING TOOLS

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BC8200 / MB8200 SERIES



THE NEXT GENERATION OF COATED PCBN GRADES FOR MACHINING HARDENED STEELS

The grades BC8210 and BC8220 are the newest, innovative PcBN grades for turning hard materials in continuous, light and medium interrupted cutting applications.

The new grades offer excellent resistance to flank and crater wear. Along with an increased chipping resistance, they provide a more stable machining process and enable long tool life over a wide range of high speed applications.

The existing BR chipbreaker and the new BL chipbreaker in combination with the BC8220 grade were developed to provide the advantage of improved chip control during medium and high depths of cut machining.

The gold coated outer layer makes it easier to detect wear and easily defines used cutting edges.



Interested in more...

B249

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NEW 04/2025

Expanded range of different geometries for coated PcBN grades BC8220 and BC8210.

Introduction of the new BL and BR chipbreaker in BC8220.

Launch of the new uncoated PcBN grades MB8220 and MB8210 for hardened steel turning applications.



MICRO-MINI TWIN



FOR HIGH PRECISION SMALL PARTS MACHINING

Ideal for small-diameter boring of steels and stainless steels. Economical, solid shank type with two cutting edges. A cutting edge on each end provides reduced tooling costs.

MULTI PURPOSE BORING BAR

The multi-functionality of the MICRO-MINI TWIN enables a wide application range that covers boring, grooving and threading and is available with or without a chipbreaker.

..... **NEW 04/2025**

New sleeves with internal coolant.

Expansion of sleeves with external coolant. MICRO-MINI TWIN boring bars for high precision and small parts machining.

Ideal for small-diameter boring of steel and stainless steel.

Economical, solid shank type with two cutting edges.

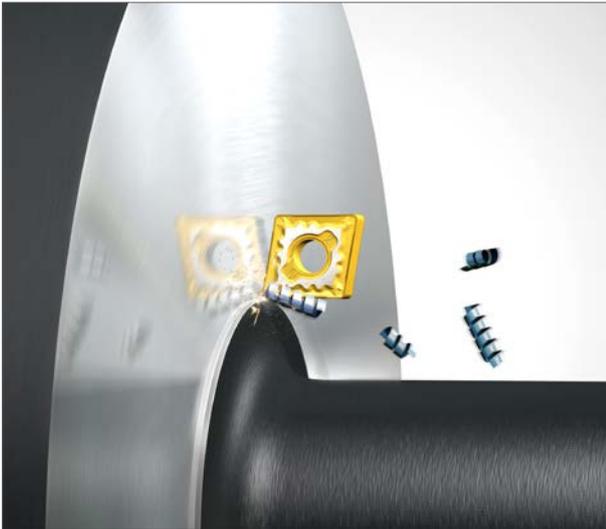


Interested in more...

B042-G

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MC6100 SERIES



BRINGING THE ULTIMATE HIGH SPEED CUTTING PERFORMANCE

The CVD coated MC6115 and MC6125 grades, plus the new MC6135 grade are the first recommendation for steel turning. Suitable for a wide range of continuous through to heavy interrupted machining applications.

The MC6100 series of grades has been developed to meet the demand of higher cutting speeds and increasing machining efficiency.

By improving the existing technology, wear, fracture resistance and cutting edge stability have all been dramatically increased. When utilised on conventional applications at high speeds, the three grades provide improved cutting edge stability.



Interested in more...

B266

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..... **NEW 04/2026**

New chipbreaker for heavy cutting of carbon and alloy steel.

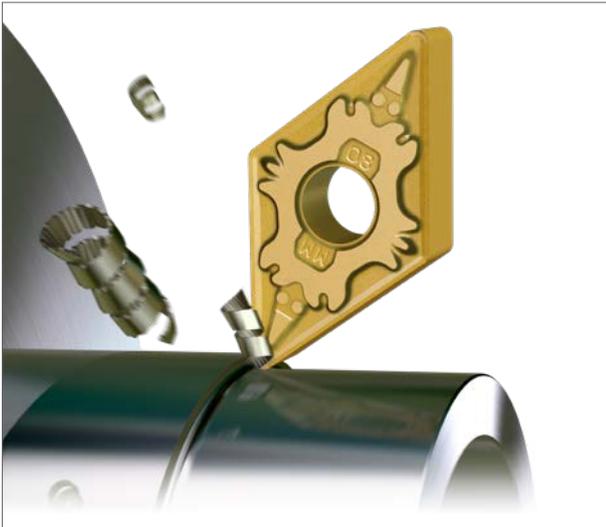
Expansion of single sided larger CNMM & SNMM ISO turning insert series for various applications ranging from MC6115 for high speed machining through to MC6125 for general applications.

..... **NEW 04/2025**

New FPH chipbreaker for low depths of cut and high feed finishing.
CVD coated grade for steel turning.



MC/MP7100 SERIES



CVD & PVD COATED GRADES FOR STAINLESS STEEL TURNING

Three new grades ideal for the machining of stainless steels. MC7115 for light cutting, MC7125 for general machining and MP7135 for heavy cutting applications.

New coating technology for stainless steel turning and a dedicated substrate for each grade.

Each grade has its own unique combination of coating layers of TiN, Al₂O₃ and TiCN.

Innovative binding layers as the Super-Tough Grip for the upper coating layers and the Sub-Grip for the base layer. These bind the coating layers to the carbide substrate, substantially increasing tool life.



Interested in more...

B277

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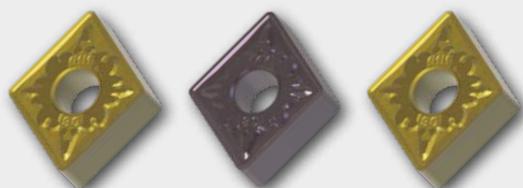
NEW 04/2025

MC7115, MC7125, MP7135

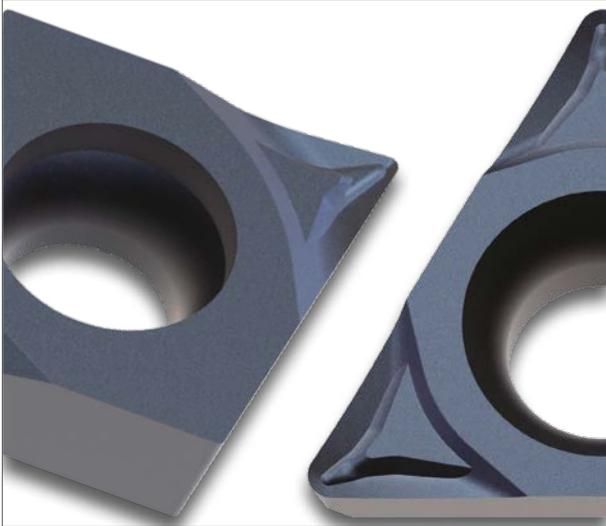
A new series of turning inserts for a variety of stainless steel applications. Complete range of negative and positive geometries.

Negative geometry inserts
CNMG, CNMM, DNMG, SNMG, SNMM,
TNMG, TNMX, VNMG, WNMG

Positive geometry inserts
CCMT, CCMH, CPMH, DCMT, SCMT, TCMT,
TPMH, VBMT, VCMT, WBMT, WCMT, WPMT



FSF /FSF-P CHIPBREAKER



IDEAL CHIPBREAKER FOR SMALL DEPTHS OF CUT AND FINISH TURNING OPERATIONS

The low cutting resistance provided by the new FSF and FSF-P type chipbreakers enables positive inserts to be more effective and reduce the occurrence of long chips when machining at low depths of cut.

The extensive choice of grades equipped with the new chipbreakers means that many different materials, such as alloy and stainless steels, grey and ductile cast irons. Aluminium alloys and heat resistant materials can also be effectively machined.



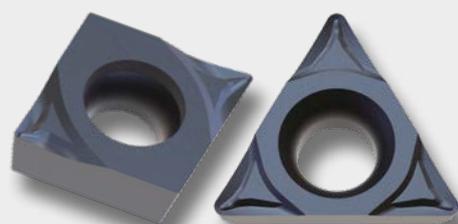
Interested in more...

B210-I

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..... **NEW 04/2025**

The new FSF and FSF-P chipbreakers are available for a wide range of inserts with 5°, 7° and 11° positive geometries in the grades MP9025, MS7025, MS9025 and VP30RT.



BORING BARS AND INSERTS FOR SMALL PARTS MACHINING



SMALL DIAMETER BORING BARS

Small diameter boring bars with steel, hard steel and carbide shanks. Ideal for small part machining and are compatible with Swiss-type lathes.

..... **NEW 10/2025**

Expansion of positive geometry E class inserts.

..... **NEW 04/2025**

FSF/FSF-P chipbreaker
Ideal chipbreaker for small depths of cut and finish turning operations.

High performance bars made from hard steel. Providing extra rigidity than standard steel and reduces inventory costs when compared to solid carbide types.



Interested in more...

B210-H

www.mmte-mediastore.net



XB SERIES



VERSATILE RANGE OF COMPLEX TURNING APPLICATIONS WITH ONE HOLDER

A complete range of new tools with high-quality cutting edges and excellent sharpness for a variety of applications are now available.

Efficiency and stability provided by this new innovative indexable turning tool.

EASY AND ACCURATE

The multi-functionality provided by the rigid six sided clamping of the insert to the head enables accuracy and easy setting when replacing inserts.



Interested in more...

B278

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..... NEW 04/2026

Expansion of profile heads for boring applications and increased range of pitches for threading inserts.

Expansion of tools for deeper internal and face groove machining.

Expansion of sleeves and carbide holders for flexible adjustment of tool overhang.

..... NEW 10/2025

Indexable turning tool and inserts for a wide variety of grooving and chamfering applications with one holder.

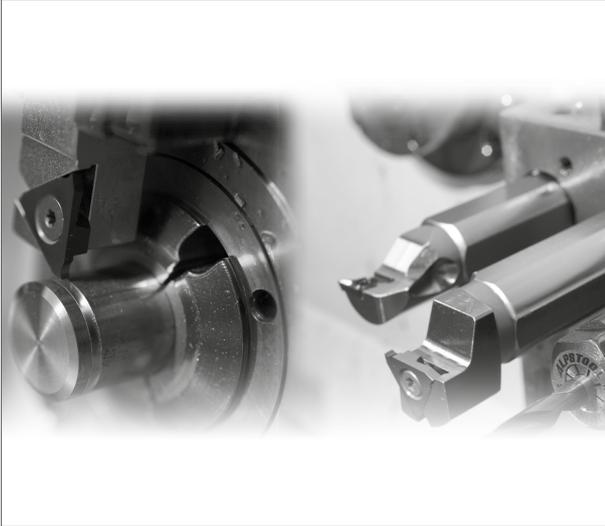
Three types of steel and carbide shanks with and without through coolant holes.

Inserts for internal and external grooving, chamfering, threading and side face grooving.

Thread tapping can be replaced by machining.



GT SERIES



GROOVING INSERTS AND TOOL HOLDERS

A series of inserts and tool holders ideal for small parts machining.

Featuring new tool geometries with improved neck clearance and easy to use back clamping, ideal for quick and accurate changing of inserts on gang type tool posts on Swiss automatic lathes.

..... **NEW 10/2025**

External grooving form for small parts machining. GTAT type inserts added for ring and circlip grooving.

New GTAT available grades
MS7025, TF15

Complete series availability
MS7025, VP15TF, VP15KZ, MT2015, TF15

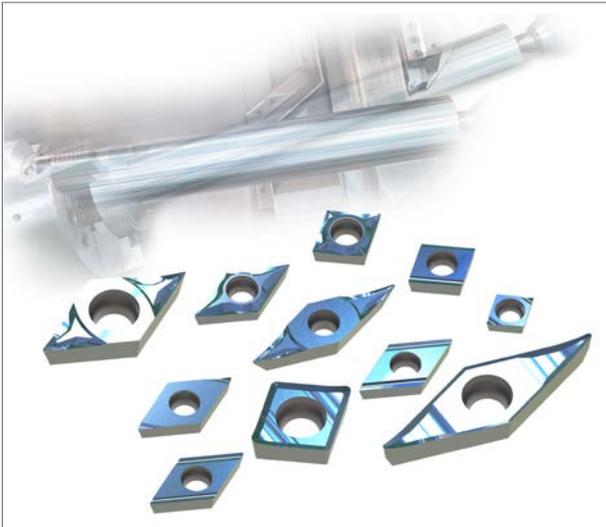


Interested in more...

B282

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LC2005



DLC COATED GRADE FOR NON-FERROUS METALS

A new grade designed for non-ferrous materials machining. DLC coating is a film that possesses both the hardness of diamond and the lubricity of graphite.

The sharpness of the cemented carbide substrate cutting edge and the smoothness of the thin-film make it possible to achieve high-quality machining.

It is particularly suitable for aluminium alloy machining due to its excellent wear resistance and anti-adhesion properties.



Interested in more...

B290

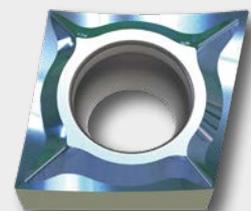
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..... **NEW 04/2026**

DLC coated grade for turning of non-ferrous metals.

New Thin-Film DLC coating for precision machining. Displays outstanding coating adhesion and wear resistance properties.

Positive geometry inserts
CCET, CCGT, DCET, DCGT, VCGT, VPGT



MV9005



CVD COATED TURNING GRADE FOR MACHINING HEAT RESISTANT SUPER ALLOYS

For machining Ni-based heat-resistant alloys for the aviation industry, coated inserts are widely used in the medium finishing area where the tool life for machining large parts with only one corner is required.

The MV9005 grade incorporates a newly developed Al-Rich coating technology. It combines a high Al content ratio with a high hardness [Al,Ti]N film, which greatly improves the resistance to oxidation, plus, in addition to its hardness it also provides extremely high wear resistance even during high-speed machining of heat resistant super alloys.

..... **NEW** 04/2026

New chipbreaker for positive inserts that prevents insert welding and reduces cutting resistance.

Expansion of negative and positive inserts for various applications.

Complete series availability

Negative geometry inserts

CNMG, DNMG, SNMG, TNMG, VNMG

Positive geometry inserts

RCMT, RCMX



Interested in more...

B271

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GY GROOVING SERIES



VAST SELECTION OF HOLDERS AND INSERTS FOR GROOVING APPLICATIONS

The TRIFORCE grooving system ensures the blade is securely fixed in 3 directions (side, front and top) giving high rigidity for a stable grooving performance.

GY grooving tools can achieve stable machining at the highly efficient cutting conditions where conventional tools were affected by vibration and chattering.

A comprehensive variety of tools with modular combinations of blades and holders provides efficient tooling inventory control.

..... **NEW 04/2026**

MY6125

New CVD coated carbide grade for stable, high-speed steel machining.

Increased wear resistance and cutting edge stability. Suitable for grooving, turning and cutting off operations.



Interested in more...

B140

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SOLID MILLING

PRODUCT



NEW iMX

17

NEW VQ SERIES

18

NEW VFR

19



iMX



iMX EXCHANGEABLE HEAD END MILLS

The iMX series is a revolutionary end mill system that combines the advantages of both solid carbide and indexable end mills.

The cost of extra long solid carbide end mills is negated by using iMX exchangeable heads. It is this interchangeability that also reduces tool change times because the head can be simply unscrewed.

New corner radius, tapered multi-flute types are ideal for machining stainless steels, heat resistant and titanium alloys.

Direct clamping in the tool holder with a range of ER collets now available.



Interested in more...

B200

www.mmte-mediastore.net

NEW 10/2025

Corner radius iMX head with multiple through coolant holes.

The ideal tool for blade machining.

iMX-C8T-E	Ø 8
iMX-C10T-E	Ø 10
iMX-C12T-E	Ø 12
iMX-C15T-E	Ø 15

ER Collet with ER range 16 – 40 and iMX connection sizes iMX 10 – 25.



VQ SERIES



HIGH PERFORMANCE END MILLS FOR STAINLESS STEELS AND DIFFICULT-TO-CUT MATERIALS

VQ is a high-performance series of carbide end mills. The outstanding performance is achieved through an ideal interaction between modern flute geometries, special carbide substrates and modern coating technology.

In addition to the standard square, corner radius and ball nose types, end mills with chipbreaker flutes in 3 / 4 x DC lengths for dynamic roughing have now been successfully introduced.



Interested in more...

B197

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NEW 10/2025

VQ3XL/VQ4XL/VQ4XLRB

3 and 4 flute square type and 4 flute corner radius solid carbide end mills for maximum performance on micro-machining applications.

NEW 04/2025

VQJCS/VQLCS/VQELCS

Solid carbide end mills with chipbreaker and irregular pitch flutes in 3, 4 and 5 x DC cutting lengths.

VQ2XLBR

Expanded range of 2-flute ball nose end mills.

VQJCSRB/VQLCSRB/VQELCSRB

New corner radius, solid carbide end mills with chipbreaker and irregular pitch flutes in 3, 4 and 5 x DC cutting lengths.



VFR



VFR – A SERIES OF SOLID CARBIDE END MILLS WITH HIGH TECHNOLOGY COATING

Ideal for milling extremely hard materials up to 70 HRC. Newly developed (AlCrSi)N multi-layer PVD coating offers higher oxidation resistance and better lubricity, together with improved wear resistance and adhesion strength.

VFR2/4 MV types feature innovative geometry such as irregular helix flutes to prevent vibration, highly rigid centre suppresses chatter and vibration.

VFRSD/ MD and SD capable of full width slot milling due to the sharp cutting edge geometry and improved resistance to chipping.

..... **NEW 04/2026**

VFRSD/MD/LD

Multi-flute end mills with short, medium and long cut lengths.

VFRSDRB/MDRB

Multi-flute, corner radius end mills in short and medium cut lengths.

VFR2MV/4MV

End mills with irregular helix flutes in 2 and 4 flute versions.



Interested in more...

B231

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INDEXABLE MILLING

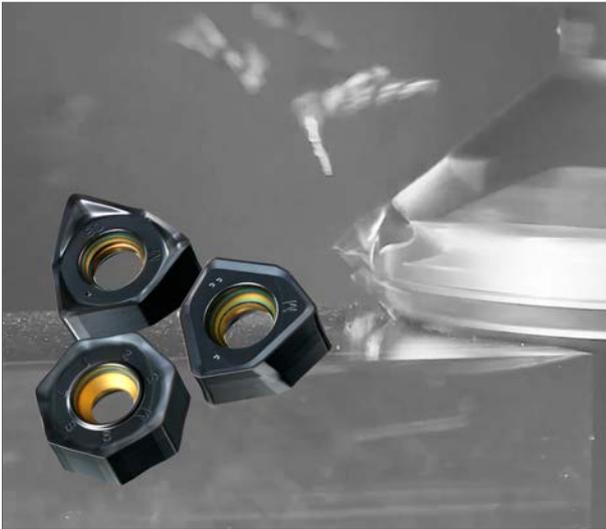
PRODUCT



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NEW	WWX SERIES	22
NEW	MX3030	23
NEW	MP1200 SERIES	24
NEW	ASX SERIES	25



MV1000 SERIES



COATED CARBIDE GRADE FOR HIGH SPEED MACHINING

The MV1000 series comprises two grades; the MV1020 and the MV1030.

Both grades have an innovative CVD coating with a high aluminium content and can be used for a wide range of applications, particularly for machining unalloyed and low-alloy steels, stainless steels and nodular cast iron.

MV1020 – Provides high thermal shock resistance during dry and wet machining and for stable machining without thermal cracking at high cutting speeds. Significantly reduced machining times can be achieved.

MV1030 – Enables high reliability, especially when dry machining stainless steels. High oxidation resistance and excellent wear resistance to prevent breakage, chipping and plastic deformation.



Interested in more...

B270

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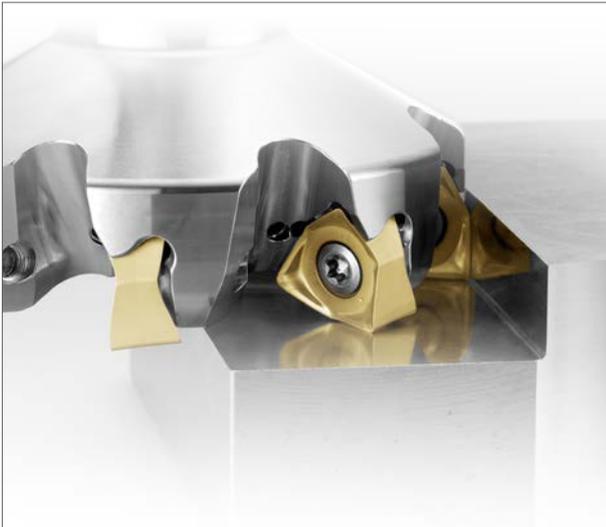
..... **NEW 04/2025**

Expanded geometry range for a wide variety of applications.

The ideal coated carbide grade for milling.



WWX SERIES



SHARPNESS WITH STABILITY FOR HIGH EFFICIENCY

The WWX series includes a comprehensive and highly versatile range of indexable insert milling cutters. Innovative double sided inserts bring a high level of economy and a reduction of tooling inventory.

Available in various types including screw-in, shank and face milling geometries to ensure a vast range of milling applications can be effectively machined.



Interested in more...

B260

www.mmte-mediastore.net

..... **NEW 04/2025**

MV1030

Grade expansion for WWX200/WWX400.

WWX200

Expanded geometry range.

High performance 90° face milling cutter with double-sided trigon inserts for shoulder, face and copy milling.



MX3030



NEW CERMET GRADE FOR A WIDER RANGE OF APPLICATIONS

Enables excellent surface finishes even at high efficiency machining conditions.

The MX3030 grade is particularly suitable for the finishing steels, stainless steels, cast and ductile cast iron.

In contrast to conventional products, this new cermet grade offers higher thermal conductivity and therefore excellent resistance to thermal wear and sudden fractures. Due to the increased toughness, a significantly improved cutting performance can be achieved with increased depths of cut.



Interested in more...

B280

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..... **NEW 04/2025**

Expanded range of inserts for the APX3000 series of indexable insert milling cutters.



MP1200 SERIES



TOUGH NEW MILLING GRADE FOR A WIDE SELECTION OF CUTTERS

Three new PVD-coated carbide milling grades.

MP1220: focused on wear resistance in stable cutting conditions, ideal for alloy steels machining.

MP1230: a balanced grade for general-purpose milling of steels and stainless steels.

MP1240: optimized for high fracture resistance in unstable or high-load cutting of steels through to titanium and HRSA.

The MP1200 series features a newly developed Gene-Tenax™ multilayer PVD coating, engineered to provide toughness against cracking.

..... **NEW 04/2026**

PVD coated carbide grades for milling.

A vast range of 20 different cutters can be equipped with the new grade, ranging from the popular AHX, ASX, AJX, AXD and ARP types through to VPX, VOX, WJX, WSX and 415SD type.



Interested in more...

B272

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ASX SERIES



FOR STABLE MILLING EVEN UNDER HIGH LOAD CUTTING CONDITIONS

A comprehensive range of milling cutter bodies and inserts for a vast range of applications. Smaller inserts and tool bodies means less cutting load improves table feed, resulting in shorter machining times and reduced power consumption.

Face mills, shank, shell type and screw-in cutters available for efficient machining of steels, stainless steels, cast and ductile cast iron, aluminium, titanium, HRSA and hardened steels.

Inserts in 49 different grades and further choice of chipbreakers and wiper geometry to cover every type of even the most challenging of machining applications.



Interested in more...

B188

www.mmte-mediastore.net

..... **NEW 04/2026**

ASX300

New smaller type for general cutting with a multi-tooth design.

Arbor type: \varnothing 40, \varnothing 50, \varnothing 63 and \varnothing 80

Arbor type: \varnothing 20, \varnothing 25, \varnothing 32

Shank type: \varnothing 20, \varnothing 25, \varnothing 32

The latest high technology MP1200 grade inserts are available.



DRILLING TOOLS

PRODUCT



NEW	DXAS	27
NEW	DFAS/MFE	28
NEW	MINI DVAS	29



DXAS



EXCHANGEABLE HEAD CARBIDE DRILL

A revolutionary exchangeable head drill that dramatically reduces running costs and achieves machining accuracy and an efficiency level comparable to solid drills.

The two-screw fastening suppresses deformation of the holder and enables high-strength fastening. This means it is less likely to loosen and securely fixes the head, even in high-stress machining environments.

The new drill has exceptionally long tool life especially with the DP6020 coated carbide grade. As a result, running costs are significantly reduced compared to conventional exchangeable head drills.



Interested in more...

B279

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..... **NEW 10/2025**

New and innovative exchangeable head drills. For high performance and accurate drilling of steels.

From diameter 18.0 – 30.0 mm with
L/D 1.5/3/5/8.



DFAS/MFE



SOLID CARBIDE FLAT BOTTOM DRILLS FOR A WIDE RANGE OF APPLICATIONS

The flat gash lands on the corners provide greater strength and sharpness for a substantial reduction of burrs. The end geometry that combines different radii forms a strong cutting edge and provides excellent chip control.

The multi radius point geometry in combination with the thinned centre point forms ideal chip shapes, thereby dramatically reducing cutting resistance.

In DFAS, the special through coolant channels offer significantly increased cooling and chip evacuation and ensure stable machining of stainless steels and titanium alloys.

NEW 04/2025

DFAS-E

Solid carbide flat bottom drills with internal coolant (m7 tolerance).

DFAS

Solid carbide flat bottom drills with internal coolant.

Now available in a longer L/D = 5 type.

MFE

Solid carbide flat bottom drills (h7 tolerance).



Interested in more...

B233

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MINI DVAS



SOLID CARBIDE DRILL SERIES FOR FAST, RELIABLE AND ACCURATE DRILLING

The MINI DVAS drills can perform at higher feeds and speeds meaning faster drilling cycles thereby giving improved productivity.

Straighter holes, improved dimensional and positional accuracy are achieved with DVAS drills. Tool life also exceeds all normal expectations.

..... **NEW 04/2025**

Solid carbide TRISTAR drill series.

Now available in extra long L/D = 50.
Ø 1.0 mm – Ø 2.9 mm
L/D = 2 – 50



Interested in more...

B267

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MPLUS TOOLS

PRODUCT



NEW 415SD

31



415SD



A VERSATILE MILLING TOOL FOR MACHINING A WIDE RANGE OF MATERIALS

The 415SD high-feed milling cutter offers reliability and cost efficiency for plunge, interpolation and ramp machining.

Precise insert pocket positioning and secure clamping with large contact surfaces enables more efficient, high-feed machining.

MV1000 grades with different chip breakers are available for the P, M and K material groups. MP9130 indexable inserts are available for machining titanium alloys.

Irregular pitch flutes reduces vibration and the multi flute geometry ensures highly efficient cutting performance.

..... **NEW 04/2025**

MV1020/MV1030

Grade expansion.

First choice for high-feed machining.



Interested in more...

MP111

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