AC8015P/AC8025P/AC8035P

鋼旋削用コーティング材種
Coated Grades for Steel

鋼旋削に死角なし
For all steel turning

高速切削～断続切削まで、あらゆるシーンで絶対的な安定加工を実現。
AC8025P ▶ 円周
AC8015P ▶ 高速加工用
AC8035P ▶ 断続加工用

汎用ポジティブM級インサート GU型ブレーカ シリーズ化

Realizes absolutely stable cutting in every scene from high-speed cutting to interrupted cutting.
AC8025P ▶ General purpose
AC8015P ▶ High speed cutting
AC8035P ▶ Interrupted cutting

Positive M-class GU type chipbreaker for general cutting expanded

VIDEO OF CUTTING

Turning tools
旋削工具
AC4010K/AC4015K
Coated Grades for Cast Iron

PMKNSH

New frontier for casting process

Gray cast iron  Ductile cast iron

A coating with high bonding and high strength and controlled residual stress achieve long-standing and stable tool life.

AC4010K  High speed cutting of gray cast iron up to $v_c=700\text{m/min}$.
AC4015K  Covers wide range of cutting (general to interrupted) for ductile cast iron.

High speed cutting of gray cast iron up to $v_c=700\text{m/min}$.
AC6020M/AC6030M/AC6040M

Stainless steel milling tools

PMKNSH

Stainless steel turning

Cutting tools for stainless steel turning

Coated Grades for Stainless Steel

Stainless steel turning

Stable tool life in any cutting condition, rough to finish or low to high cutting speed.
Excellent stability in combination with chipbreakers for stainless steel turning.

AC6030M ▶ General purpose
AC6020M ▶ High speed, high productivity cutting
AC6040M ▶ Interrupted, unstable cutting
Positive M-class GU type chipbreaker for general cutting expanded

Video of cutting
AC5015S/AC5025S  (拡充)  (Expansion)

Coated Grades for Exotic Alloy

Extreme level of exotic alloy turning

Newly developed carbide substrate and PVD coating to overcome the difficulty of exotic alloy turning. Typical damage in the work material with low heat conductivity and high strength, breakage by crater wear and notch wear can be reduced.

AC5015S  ▶ General purpose
AC5025S  ▶ Heavy Interrupted cutting, for mill-scaled work
Positive M-class GU type chipbreaker for general cutting expanded (AC5025S)
T1500Z/T2500Z
鋼旋削用コーティッドサーメット材種
Coated Cermet Grades for Steel

ワンランク上の加工品位を実現
Achieving excellent surface finish

熱伝導性に優れた新開発のサーメット母材と潤滑性に優れた
プリリアントコート®を採用。光沢のある仕上げ面と卓越した安定性。
強靭コーティッドサーメット材種T2500Z新登場!

T1500Z ▶ 汎用
T2500Z ▶ 断続加工用
汎用ポジティブM級インサート GU型プレーカ シリーズ化

Newly developed cermet substrate with high thermal conductivity and
Brilliant coat™ with excellent lubricity. Beautiful glossy surface finish and
realizing incredible stability.
T1500Z ▶ General purpose
T2500Z ▶ New grade for interrupted cutting
Positive M-class GU type chipbreaker for general cutting expanded
**GU型ブレーカ**
*GU Type Chipbreaker*

*軽〜中切削用チップブレーカ/M級ポジティブインサート*
*Positive M-class chipbreaker for General Purpose*

**PMKNSH**

*ポジティブインサートの汎用ブレーカが新登場*
*New positive chipbreaker for general purpose*

ワイドな切りくずポケットにより優れた切りくず処理性能を実現。切りくずを流しながら制御する突起設計によりびびりを抑制。
*Excellent chip control with wide chip pocket.*
*Projections on rake face enables chip control and suppresses chatter.*
Polygon Taper Shank SUMIPOLYGON
ツーリングシステム

A wide selection for various tooling
High index accuracy with high rigidity thanks to polygon shape key-less coupling.
Holders for GND grooving as stock item and other tailor-made special holders are also available.
GND 型
SEC-Grooving Tool Holders GND Series

10种的チップブレーカーと7種の材種で多様な加工に対応
Supporting various machining with a selection of 10 types of chipbreakers and 7 turning grades

外径溝入れ加工 ▶ 内部給油式ホルダにより切れ刃へのクーラント供給を効率化。高速度加工による高能率化とインサートの長寿命化を両立。

突切り加工 ▶ 前切れ刃角5°のCG型に加えて、10°、15°のCF型ブレーカーにより抜群の切りくず処理性を発揮。

External Grooving ▶ New internal coolant holder makes coolant supply more efficient. Provides both high efficiency and long tool life under high speed grooving conditions.  
Cut-off ▶ Excellent chip control by CF type chipbreaker with 10- and 15-degree front cutting edge angle and CG type with 5-degree.
SEC-Grooving Tool Holders SSH Series

Internal Grooving Tools

Stable and high quality machining for small diameter grooving

Min. machining diameter is $\Phi 8$mm. The carbide holder reduces chattering for small diameter grooving. Unique fitting structure provides high-precision cutting edge positioning.
Milling tools

SEC-ウェーブミル
WEZ型 (拡充) (Expansion)
SEC-WAVEMILL WEZ Series
万能・高精度隅削りカッタ
High-Efficiency Shoulder Milling Cutter for General Purpose

精緻を極めた万能カッタのモジュラータイプ新登場
Newly modular type of ultra-refined cutter
刃先強度、ボディ耐久性、切れ味、壁面精度、面粗さ、いずれの項目においてもバランスに取れた高精度カッタ。
▶モジュラータイプ新登場。モジュラーツール用アーバへの装着により、L/D>3の長い突出しでの加工を実現。
▶インサート92アイテム拡充でアイテム数が総計124に拡大。
A high precision cutter balanced in cutting edge strength, body durability, cutting performance, squareness and surface roughness.
▶ Modular type has been released. By mounting to an arbor for modular tools realizes L/D>3 tool overhang machining.
▶ The total number of inserts has increased to 124 with the expansion of 92 insert items.
ALNEX ANX Series

High-Speed and High-Efficient Cutter for Aluminum Alloy

PMKS

Achieves high-speed and high-efficiency aluminum alloy machining

A wide selection of 6 types of cutting edge and bodies with cutter diameter of Φ 32 to Φ 160mm.

Breaks chips, with more efficient coolant supply due to adopting bradethrough coolant.

Blade (DA1000)
SEC-Sumitomo Dual Mill TSX Series

Expanded series now offering inserts for left hand

Shoulder milling cutter with tangential ground insert.
Tangential insert ▶ Stable high productivity milling
Ground insert ▶ Less cutting force and machined surface accuracy
Flexible design to side cutter and other special cutters with the 59 items of inserts for left hand.
**Drills**

穴あけ工具

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**MULTIDRILL NeXEO MDE Series**

Coated Carbide Drill

- **P M K N S H**

**MDE型**

超硬コーティングドリル

Innovative general purpose drills

Covers a wide range with 1 drill. Stable tool life in various cutting conditions and work materials such as high-carbon steels, die steels and stainless steels.

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VIDEO OF CUTTING

切削動画

公開中
### MDM 型
**MULTIDRILL MDM Series**

**Coated Carbide Drill for Stainless Steel**

**PMKNSH**

**Bean Jet Cooling**

Long tool life due to excellent cooling effect

Fine tuned drills exclusively for stainless steel or exotic alloy.

"Bean Jet Cooling"

Newly developed coolant hole design improves tool life by excellent cooling and less adhesion of cutting edge.
MDF型
Flat MULTIDRILL MDF Series
Coated Carbide Drill for Spot Facing

先端角180°設計で様々な穴あけ加工に対応
Supporting various applications by 180° point angle design

Reliable drill for spot facing, drilling of non-flat surface and process integration. Wide selection of standard & long shank, internal coolant, head replaceable type and for pre-tap hole drilling.

内径給油タイプ
Internal Coolant type

先端交換式
Head Replaceable type

ロングシャンクタイプ
Long Shank type

回転工具
Turning tools

フライス加工
Milling tools

ドリル
Drills

先端工具
Endmills

車削工具
(CB/N/P/CD)

内径給油タイプ
Internal Coolant type

Head Replaceable type

ロングシャンクタイプ
Long Shank type

VIDEO OF CUTTING
Endmills

SUMIDIA Coat Ball-nose Endmill SDCB Series

**SDCB 型**

**Mold Finish Master**

**スミダイヤコートエンドミル**

**究極の硬さ 硬脆材高精度切削を可能に**

*Hard brittle materials can be cut due to extremely hard diamond coating*

超硬合金直膨加工作の粗加工における安定加工を実現。
新開発のダイヤモンドコーティングと専用刃形を採用。

*Stable performance in direct cutting of cemented carbide, roughing with newly developed diamond coating and special edge geometry.*
Turning tools (CBN/PCD)

BNC2010/BNC2020
Coated SUMIBORON

Higher accuracy and efficiency in hard turning

Enables you to choose the tools suited to your machining process from a wide variety of grades and cutting edge geometry.

- 5 types of high-precision / high-efficiency edges
- 2 types of wiper edges
- 3 types of chipbreakers
NCB100
SUMIBORON BINDERLESS
Nano-Polycrystalline CBN Grades

Excellent performance in exotic alloy machining

The cutting edge adopts nano-polycrystalline CBN with higher hardness and improved thermal conductivity compared to conventional CBN. This ensures higher efficiency and longer tool life for use with exotic alloys such as titanium alloy and Co-Cr alloy.
Turn ining tools

Drills

Turning tools (GM/PCD)

Milling tools

Endmills

**NPD10 / DA90**

SUMIDIA BINDERLESS  SUMIDIA

超硬合金・硬脆材加工用PCD工具

PCD Tool for Carbide & Hard Brittle Material

超硬合金・硬脆材の粗加工から仕上げ加工を可能な

Best suited for rough to finish machining of cemented carbide and hard brittle materials

DA90 超硬合金・硬脆材の粗加工に最適

NPD10 超硬合金・硬脆材の仕上げ加工に最適

DA90 ▶ Suited for rough machining

NPD10 ▶ Suited for finish machining
Sumitool Calculator

Sumitool Converter

https://www.sumitool.com

いい工具 110 番
フリーダイヤルでお問い合わせは ☎️ 0120-159110
9:00〜12:00, 13:00〜17:00（土・日・祝日を除く）