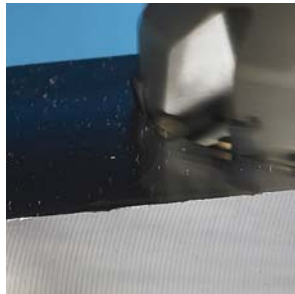
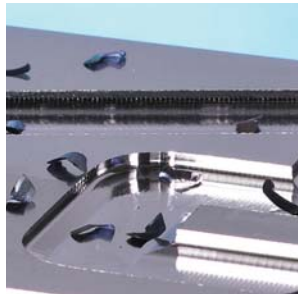
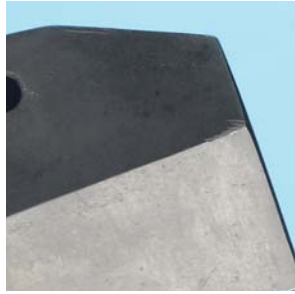
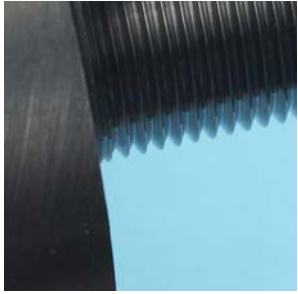
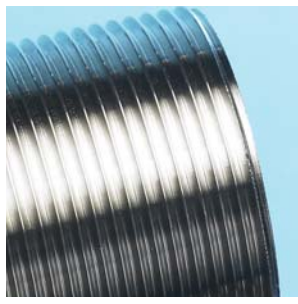


WE CREATE  
YOUR  
TOMORROW!



**The Total  
Cutting tool  
Manufacturer**

 **KORLOY**

Your invitation to KORLOY Inc.

# RICH MILL SERIES



LNMX151008PNR-MM/MF

## RM4

RM4, as a multi functional milling tool, offers economical 4 cutting edges by using innovative double-sided insert.

## RM8

Innovative double-sided high rake angle insert make it possible to use 8 cutting edges per a milling insert.

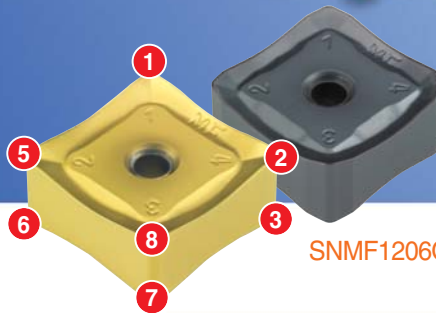


SNMX1206ANN-MM/MF

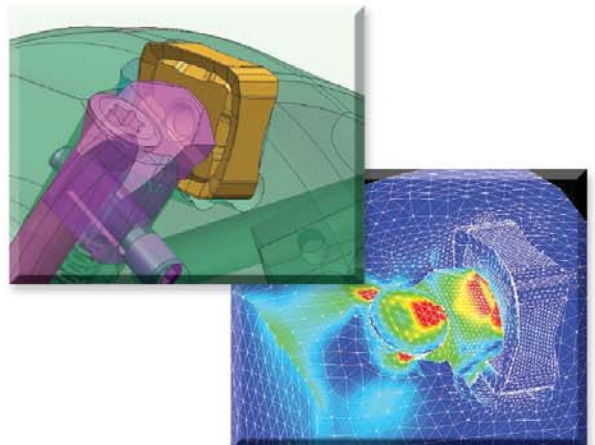


## RMT

New latch clamping system ensures the powerful cutting force and easy to insert change.



SNMF1206QNN-MM/MF







# HRM FMR

WDKT130520ZDSR-MH

## HRM

- Powerful & economic milling tool with double clamping and 3 corner-use insert.
- Revolutionary design of the cutter and the special cutting edge of the insert make superb feed rate possible when compare with conventional tools. (Max. fz3.5mm/tooth, 0.14ipt)
- HRM can cover various applications due to HRM insert size 08,10,13 and 15 line up.

## FMR

- FMR can cover various applications such as machining of general steel, cast iron and hardened mold steel, from roughing to finishing.
- Double contact faces between insert and seat part of cutter due to the 2-step configuration of insert provide excellent rotating-free machining.
- Insert of FMR can be used 4 to 8times and ensured full line up. (inscribed circle of insert : 05, 06, 07, 08, 10, 12, 16, 20)



RDKT1204M0-MM/MF/MA



## SPD & NPD

- New indexable drill for hole drilling and excellent chip evacuation due to specially designed flute.
- Various chip breakers & grades are available for variety of application.
- SPD  $\varnothing 13\text{mm} \sim \varnothing 22\text{mm}$  / NPD  $\varnothing 23\text{mm} \sim \varnothing 60\text{mm}$



**SPD**  
**NPD**  
**BTA**

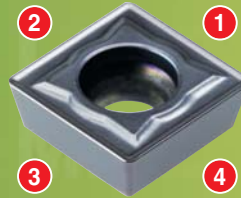
THREADING  
INSERT

- 4 cutting-edges using insert



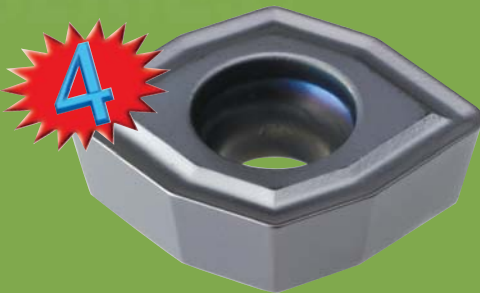
SPMT06024-DM/DS/DA

- Same insert is available for both position of insert pocket of drill

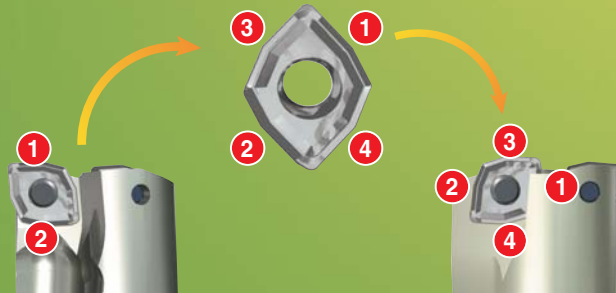


- Chip breaker of SPD insert provides excellent chip control property due to its engineered design
- Easy & simple change of cutting edge
- Economical by using same insert at both position of insert pocket of drill
- Available SPD size :  $\varnothing 13\text{mm} \sim \varnothing 22\text{mm}$
- Since SPD makes small-sized chip, it is effective for small size hole drilling

- How to use 4 cutting edges of NPD insert



NPMT293208-DM/DS/DR/DA



- At first, use No ①, ② edges at the outer position of insert pocket and then take the insert to the inner position of insert pocket of drill to use ③, ④
- Available NPD size :  $\varnothing 23\text{mm} \sim \varnothing 60\text{mm}$
- Since NPD has strong cutting edge, it is suitable for big size hole drilling

## BTA

- The BTA system is a high performance drilling process typically used for deep hole making.
- This product allows depth to diameter ratios in excess of 100\*Dia.
- Tools are available with coated or uncoated carbide tip for drilling alloy steels, cast iron and stainless steels.





## Laser Mill

- Indexable endmill for fine finishing of mould.
- Long tool life has been achieved due to the excellent cutting performance of the grade.
- Optimum machining of mould has been achieved due to the MQL available system.
- Easy clamping with simple screw on system.
- Variety of holder line up : **Steel shank, Carbide shank, Modular type**

- High tolerance insert
  - Run-out of cutting edge : under 0.02mm
  - Radius form accuracy : under 0.01mm
- Through coolant system



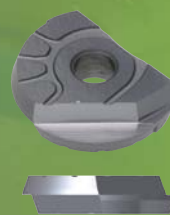
# LASER MILL



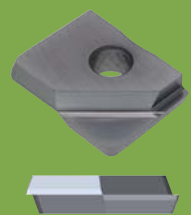
LBH



LBS



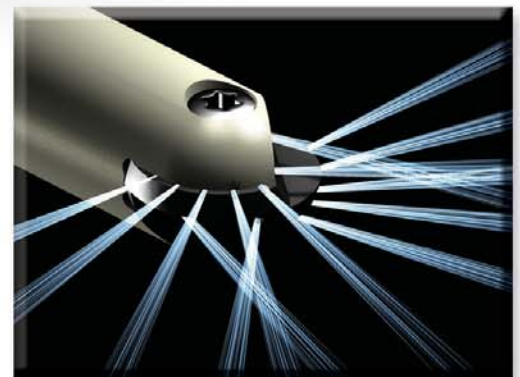
LR



**LBE : 3 in 1 system**

## MQL (Minimum Quantity Lubricant)

- Environmental friendly system
- Decrease coolant cost
- Lubrication of cutting edge
- Improved chip control property  
(Injection of coolant directly to the cutting edge)
- Increased tool life & improved surface quality





# H-MAX ENDMILL

## H - Max

- An optimal design of cutting edge guarantees good performance in high speed machining, especially, for high hardness workpiece.
- The micro-grain substrate with high rigidity is suitable for prehardened steel, heat resistant steel.

### ■ Features of H-Max

- HPBE2000, 4000
- HPRE2000, 4000

Radius Tolerance :  $\pm 5 \mu\text{m}$

Optimal design for high speed machining

Enhanced edge toughness

Run-out Tolerance : 0.005mm

New Coating

Ultra micro-grain carbide substrate

Fit Tolerance of Shank : h5

# Threading Insert

- Fully un-ground insert with specially designed chip breaker for smooth chip control offers reasonable cost to satisfy customer's needs.
- Korloy un-ground threading insert secures to cutting quality as well as the performance of ground insert due to the precision cutting edges.
- ISO Metric, Partial profile 60°, Partial profile 55°



## ■ New Coated Threading Insert (Pitch : 0.5~3.0)



### ERM / ELM

(External Threading)

- Chip breaker-on insert
- High accuracy and quality

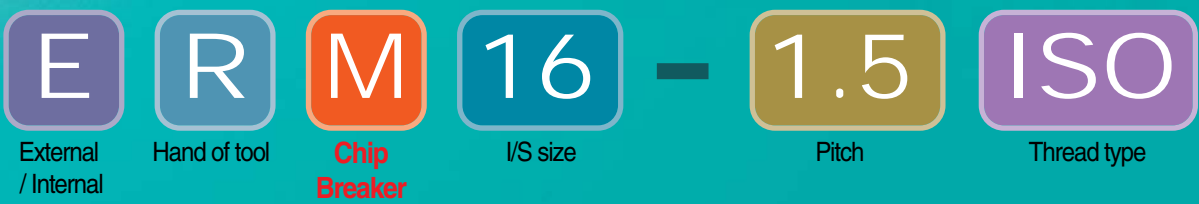
**THREADING  
INSERT**



### IRM / ILM

(Internal Threading)

- Chip breaker-on insert
- Double dot for chip control (Infeed internal threading)
- High accuracy and quality



- **Conventional Holder Use**
  - ERH & ELH for external threading.
  - IRH & ILH for internal threading.







# ISO TURNING INSERT

## VISION Series

LASE  
M



### VM chip breaker

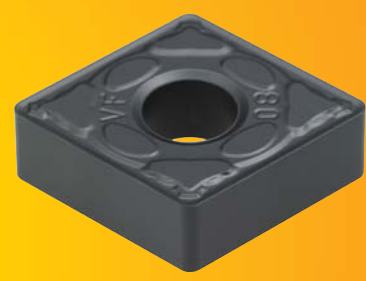
- Balanced multiway convex design, it can be applied wide application range from medium-finish to medium-roughing operations.

HRM &  
FMR

RICH  
M  
SE

### VF chip breaker

- Unique figure design in corner ensures improved chip control in extremely small depth-of-cut.



### NC3120

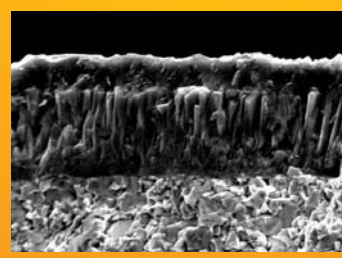
: New leader of **steel turning**



- Due to the combination of new coating layers & special treatment, excellent toughness & anti built-up edge property achieved.
- Consistence performance under variety of cutting conditions achieved.

### NC6110

: New exclusive grade for high speed turning of **cast iron**



- Excellent hardness & toughness have been achieved due to the Al<sub>2</sub>O<sub>3</sub> coating having excellent surface quality as well as hardness.
- Consistence tool life even under intermittent cutting conditions.



**HEAD OFFICE**  
 Halystar B/D 953-1, Doksaribin-Dong, Gaumchun-Gu, Seoul, Korea  
 TEL.: +82 2 522 3181 FAX: +82 2 522 3184, +82 2 3474 4744  
 WEB: www.korloy.com

**CHEONGJU FACTORY**  
 53-16, Sangjeong-Dong, Hungduk-Gu, Cheongju, Chungcheongbuk-Do, Korea  
 TEL.: +82 43 262 0141 FAX: +82 43 262 0146  
 E-MAIL: ekpart@korloy.com

**JINCHON FACTORY**  
 767-1, Gwangheavon-Ri, Gwangheavon-Myon, Jincheon-Gun, Chungcheongbuk-Do, Korea  
 TEL.: +82 43 535 0141 FAX: +82 43 535 0144