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**Industrial Solutions of
KORLOY**



**POWER
GENERATION
INDUSTRY**

We Create your Tomorrow!



We learn the challenge with nature.
We also dream love in nature.
'Challenge for dream, Love for human'
It's an ideal of Korloy like nature.

The 21st century of KORLOY is the power for a better future.

KORLOY Inc. is a total cutting tool manufacturer specializing in uncoated, coated (CVD, PVD), and Cermet inserts.

KORLOY Inc. was founded in 1966.

Our establishment is now a top leading cutting tool provider that constantly invests and improves our R&D center in Korea

Our goal is to be the top, globally leading company that overcomes the continuous challenges and innovations.

KORLOY Inc. products manufactured by the ever growing R&D department along with our innovative production technology are selling and exporting to over 80 countries, as the global company recognized with higher technology.

KORLOY Inc. continuously endeavors to grow as the global enterprise representing Korea.

We sincerely anticipate your on-going interest for KORLOY Inc.


 **KORLOY Inc.**



POWER GENERATION INDUSTRY

Wind power generation is air of flow with kinetic energy of aerodynamic character used turn of rotor and change to the mechanical energy, from this mechanical energy make electricity.

The other word, power of wind is changed to turning force and make electricity. It is classified against the ground according direction to the axis of rotation horizontality and verticality type. Main components are comprised of rotor composed of Blade and hub, gear box increased in speed of rotation and generator working, control device for control generator and all sorts safety device, oil pressure breaking device, electricity control device, steel tower etc. Korloy carry out customer satisfaction management to supply tools for manufacture of these parts.



Blade Hub

1

Power Buster
<PBZ>

[Top & Bottom Plane]
: Roughing / Finishing

4

HSK/BT Tooling System
<Multi Edge type>

[Shouldering, Facing]
: Roughing

2

Indexable Step Drill
<Special>

[Blade Hub bolt Holes]
: Drilling, chamfering

5

Thread Milling Solid Endmill
<TM-Solid>

[Side Clamping Bolt Holes]
: Threading

3

Exchangeable Drill
<TPD>

[Blade Hub Holes]
: Centering & Drilling

6

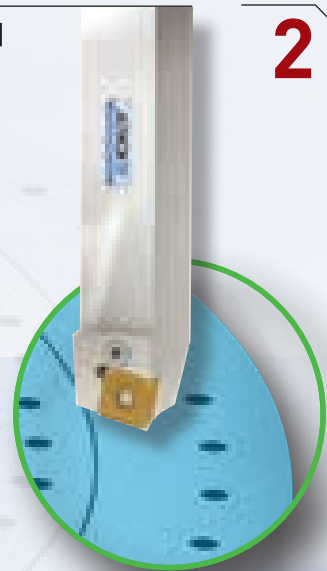
Side Cutter For Special Adjustment Type
<TAFCB>

[Back Facing for Internal Surface of Hub]
: Back Facing – Roughing, finishing

Blade Bearing

1 Inserts For Heavy Duty Machining <CNMM/SNMM(VH/VT)>

[Top & Bottom Plane]
: External turning



2 Exchangeable Drill <TPD> Indexable Drill <SPD, NPD>

[Blade Bearing Holes]
: Centering & Drilling



3 Internal Finishing Cutter <M16, Φ 400(mm)>

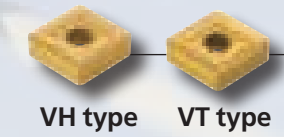
[Working for Internal Gear]
: Internal finishing



Tower Flange

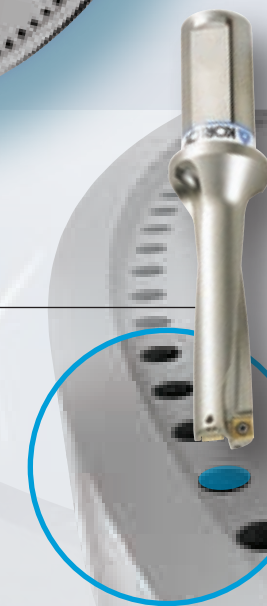
1 Holders <PCLNR(CNMM)/PSBNR(SNMM)>

[Tower Flange]
: Turning for heavy duty machining



2 Indexable Drill <SPD, NPD> Exchangeable Drill <TPD>

[Tower Flange]
: Drilling



Main Frame



1

Balance Cutter For Big Hole Boring
<TBC, FBC>

[Main Frame Bore]
: Roughing & Finish boring

2

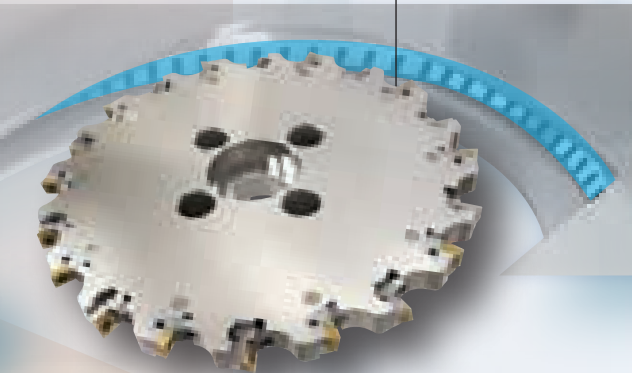
Indexable Drill
<SPD, NPD>

[Main Frame Holes]
: Drilling

4

Side Cutter For Special Adjustment Type
<Back Facing for internal surface of Main Frame>

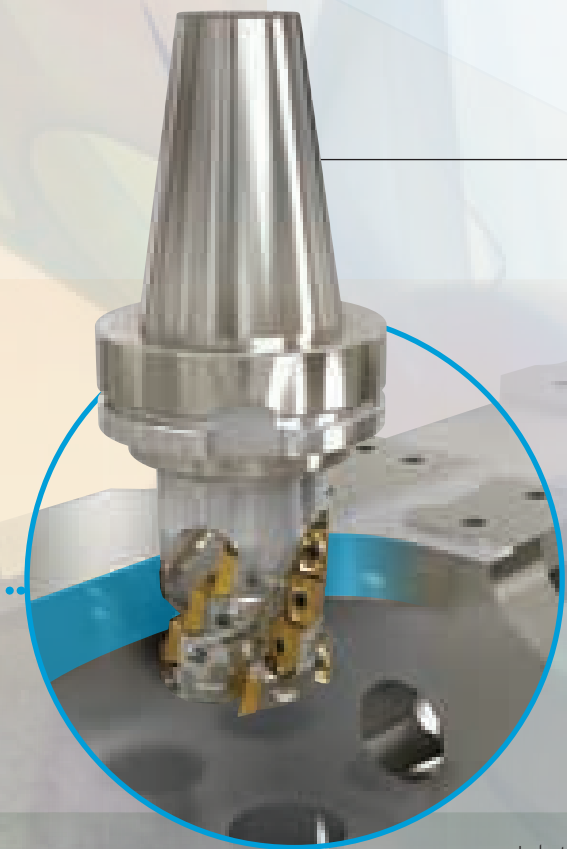
[Main Frame]
: Back facing – Roughing, finishing



5

HSK/BT Tooling System
<Multi Edge type>

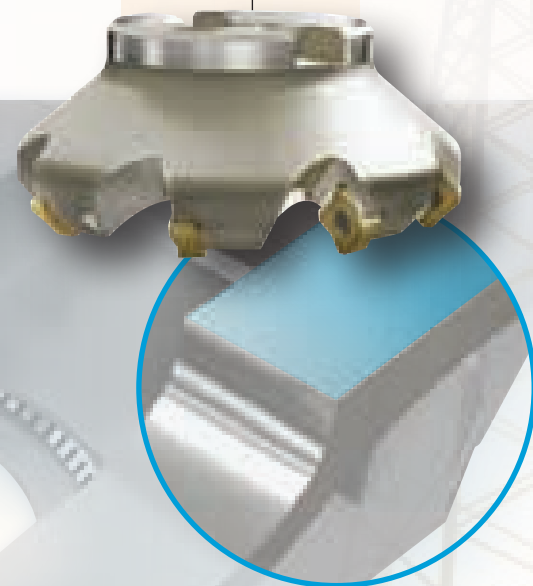
[Shouldering, Facing]
: Roughing



3

Rich Mill
<RM8 Series>

[Main Frame Face]
: Roughing and finishing for
Top Surface Facing



Main Shaft

1

Indexable Drill
<SPD, NPD>

[Main shaft Holes]
: Drilling



2

Inserts For Heavy Duty Machining
<CNMM/SNMM(VH/VT)>

[Profile]
: Turning for heavy duty machining



VH type VT type



3

Rich Mill
<RM8/RM16 Series>

[Facing at the End of Flange]
: Facing for roughing and finishing at the end



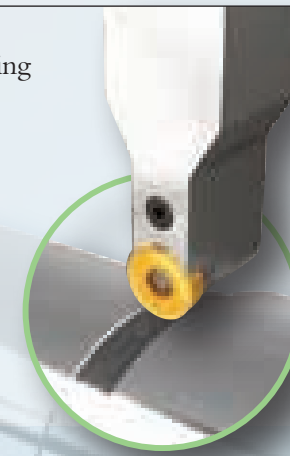
4

Holder
<PRDCN(RCMX)>

[Shaft External / Profile]
: Turning for heavy duty machining



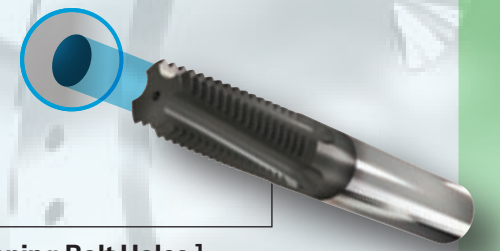
RCMX type



5

TM solid

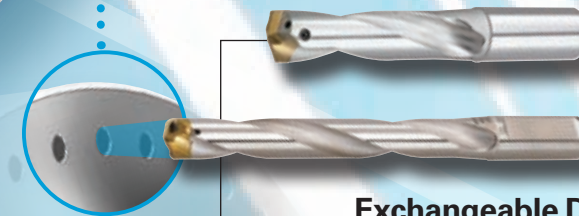
[Side Clamping Bolt Holes]
: Threading



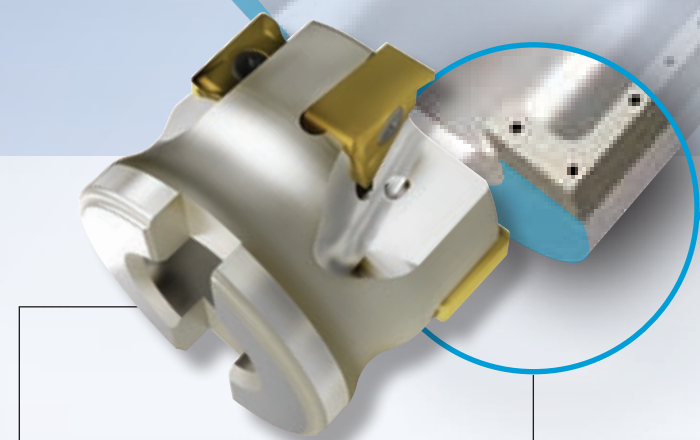
6

Exchangeable Drill
<TPD>

[Main shaft Holes]
: Centering & Drilling



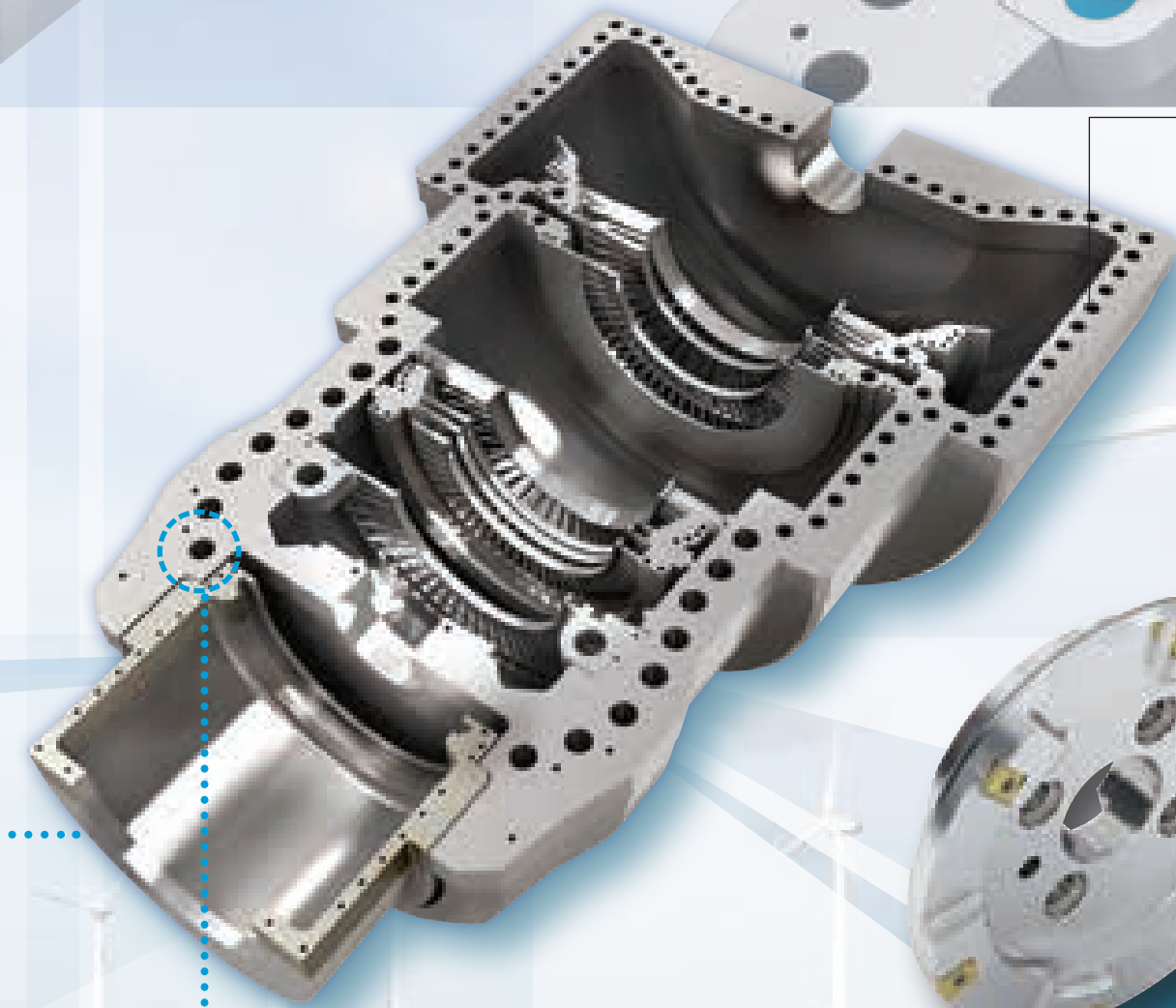
Turbine Casing



1 **Rich Mill**
<RM4 / RM16 Series>
[Turbine Casing Face]
: Roughing and finishing for Top Surface Facing



2 **Special Boring Bar**
<FBH>
[Bore Holes]
: Finish boring



3 **Indexable Step Drill**
<Special>
[Turbine Casing Bolt Holes]
: Drilling, chamfering



4 **Indexable Drill**
<SPD, NPD>
[Turbine Casing Holes]
: Drilling



5 **Shave Mill Ultra**
<SVUM>
[Turbine Casing Face]
: Finishing for top surface facing

Turbine Rotor

1

Inserts For Heavy Duty Machining
<CNMM/SNMM(VH)>

[Turbine Rotor External / Profile]
: Turning for heavy duty machining

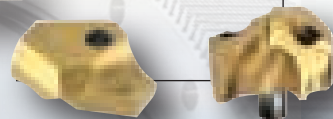


VH type

2

Exchangeable Drill
<TPD>

[Turbine Rotor Holes]
: Centering & Drilling



3

Inserts for Heavy Duty Machining
<PRDCN(RCMX)>

[R type]
: Turbine Rotor/profile



RCMX type

4

Inserts For Heavy Duty Machining
<CNMM/SNMM(VT)>

[Turbine Rotor / Profile]
: Turning for heavy duty machining



VT type