KORLOY Automotive Industry - English EN

Technical Information **KORLOY**

AUTOMOTIVE INDUSTRY

KORLOY

Automotive Industry

Part 1

Engine Parts of Automobile

Part 2

Other Automotive Parts

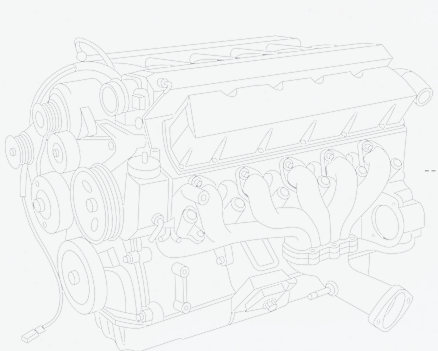
AUTOMOTIVE INDUSTRY

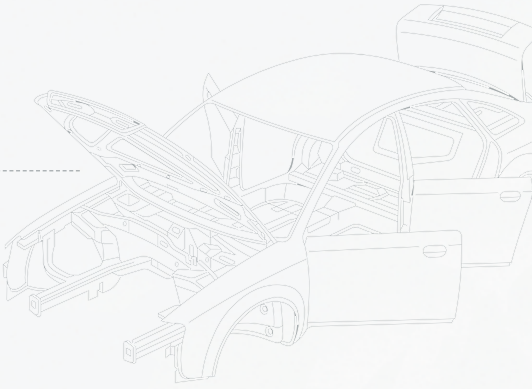
Contents

AUTOMOTIVE INDUSTRY

Part 1

Engine Parts Of Automobile





AUTOMOTIVE INDUSTRY

Part 2

Other Automotive Parts

AUTOMOTIVE INDUSTRY

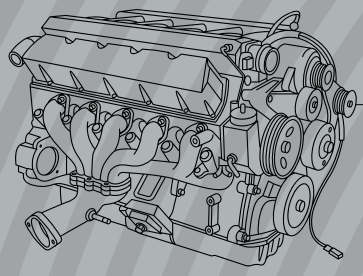
Part 1

AUTOMOTIVE INDUSTRY

Part 1

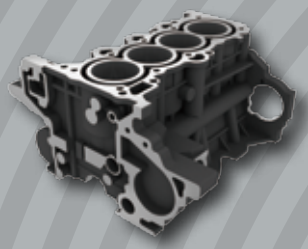
Engine Parts of Automobile

Part 1 Engine Parts Of Automobile



Cylinder Block

Cast iron



Cylinder Block

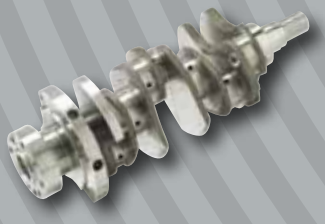
Al alloy

Cylinder Head

Al alloy

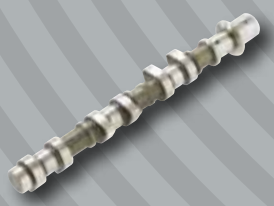
Crank shaft

Cast iron, Alloy steels



Cam Shaft

Cast iron, Alloy steels



Connecting Rod

Ti alloy, Carbon steels

Bearing Cap

Heat treated Carbon steels

Crank Case

Al alloy + Cast iron

Fly Wheel

Al alloy

Fly Wheel

Cast iron

Pulley

Low carbon steels

01 Shave Mill

＜SVM/SVUM＞

[Adjustable System, Front and Top Face]

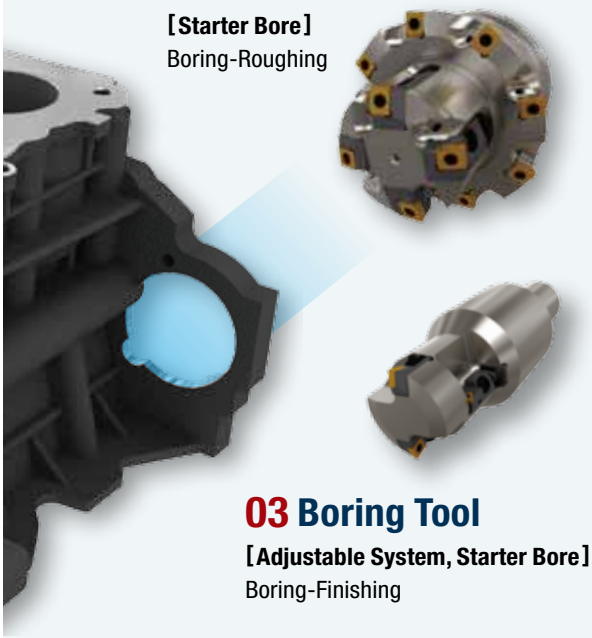
Facing-Finishing

02 Boring Tool

＜SVM/SVUM＞

[Starter Bore]

Boring-Roughing



03 Boring Tool

[Adjustable System, Starter Bore]

Boring-Finishing

Automotive Industry

01

Cylinder Block

(Upper Part - Cast iron)

04 Wedge Mill

＜RMR16＞

[16 Corners, Wedge Type, Front and Top Face]

Facing-Roughing

05 Mach Drill

＜MSDP, MSDPH＞

[Block Bolt Holes]

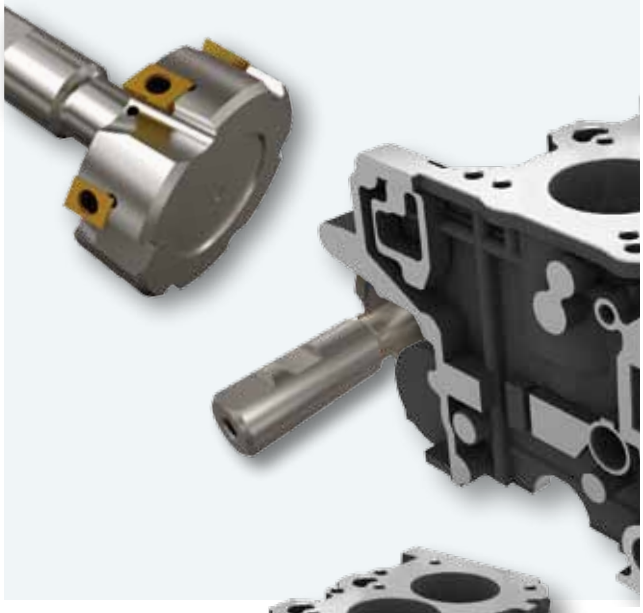
Drilling

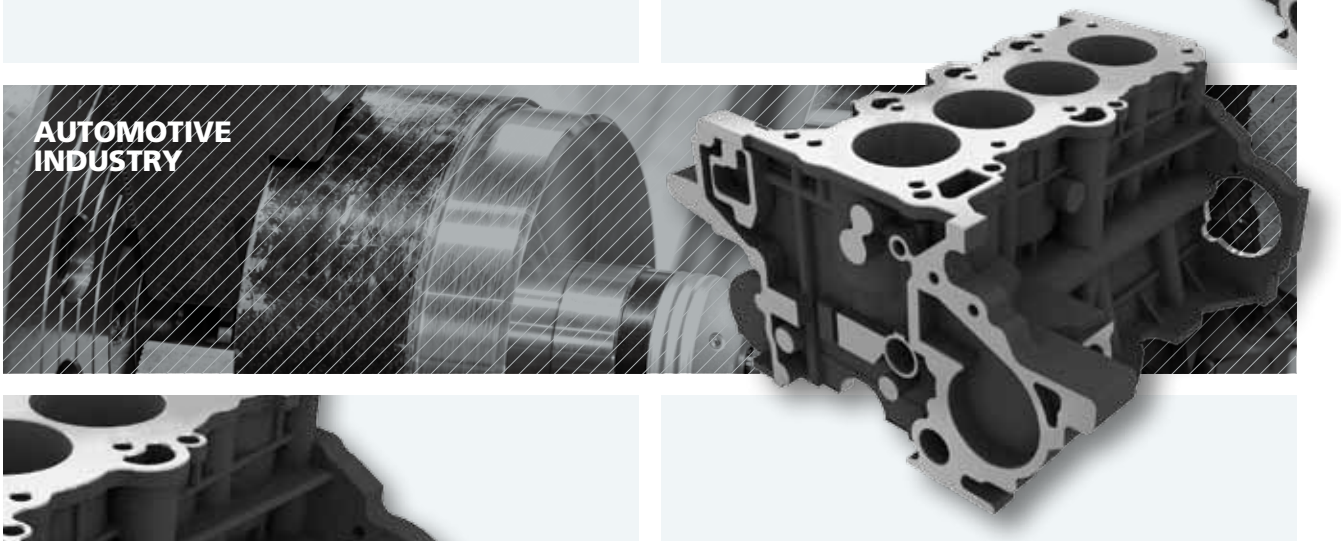
06 Step Burnishing Reamer

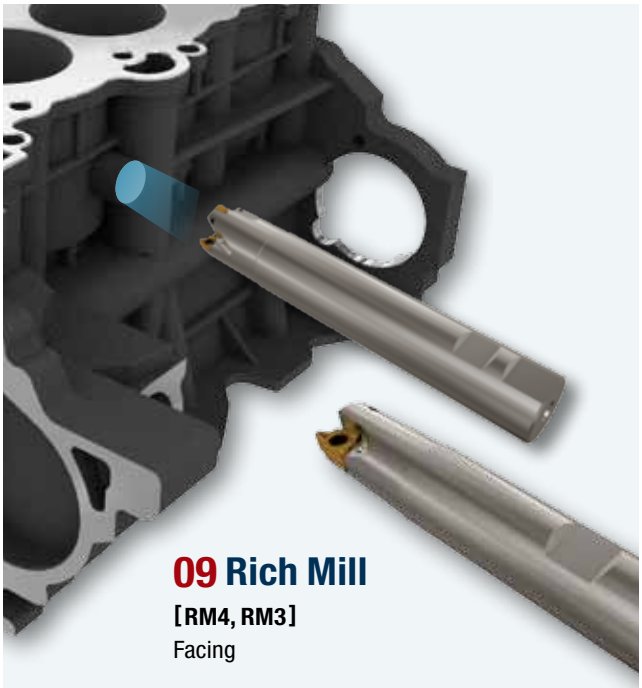
[Mechanic Holes]
Reaming

07 Special Side Cutter

[Start Motor Seat]
Facing





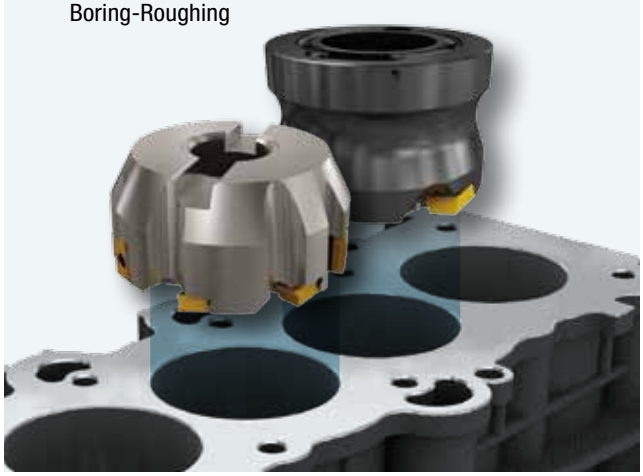


09 Rich Mill

[RM4, RM3]
Facing

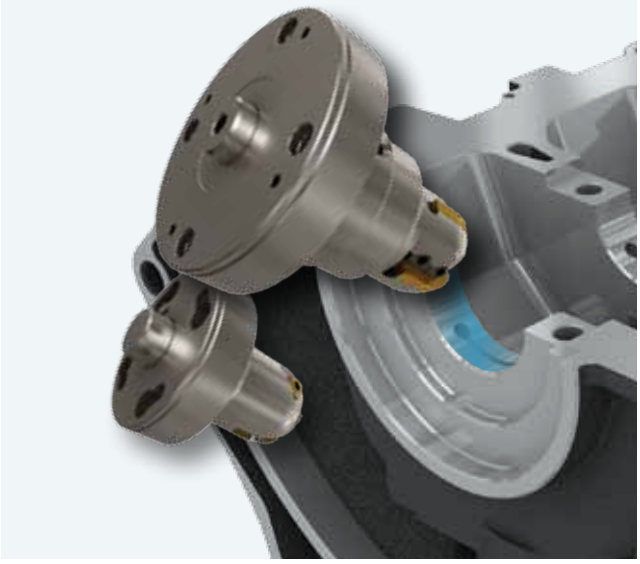
08 Special Boring Tool

[Cylinder Bore]
Boring-Roughing



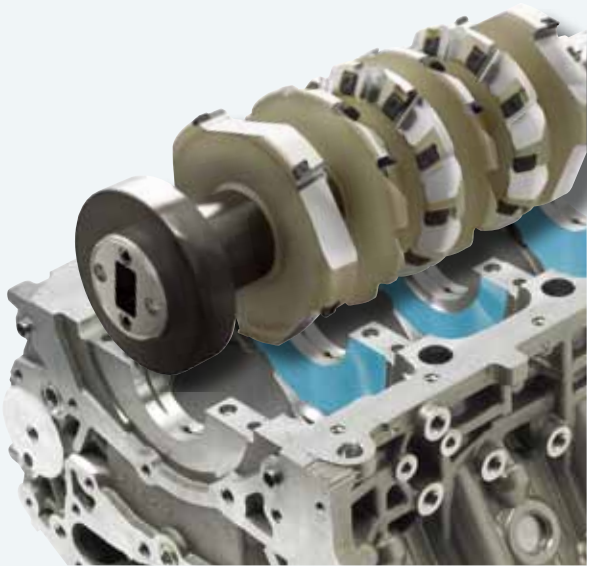
01 Ball Cutter

[Crank Half Bore]
Boring-Roughing



02 Gang Cutter

[Cheek Face]
Facing



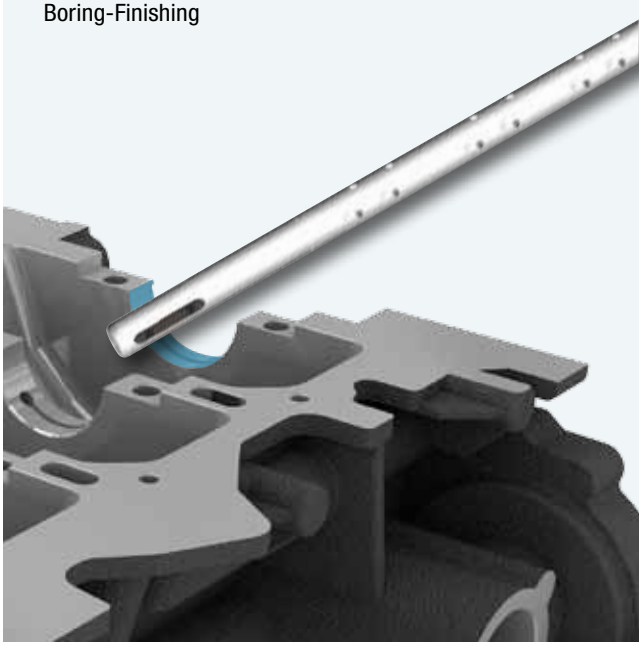
Automotive Industry

02 Cylinder Block

(Lower Part - Cast iron)

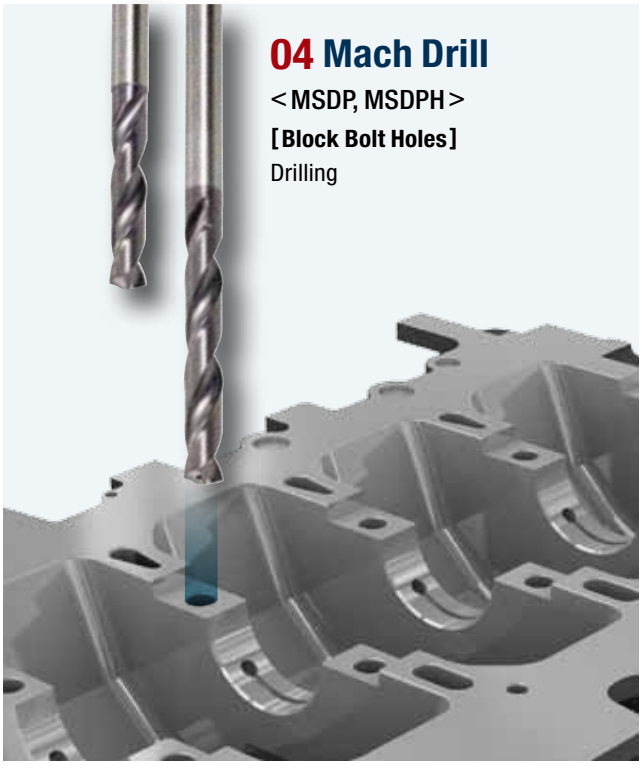
03 Line Boring Bar

[Crank Bore]
Boring-Finishing



04 Mach Drill

<MSDP, MSDPH>
[Block Bolt Holes]
Drilling



06 Rich Mill

＜RM4, RM3＞

[Shouldering, Boss End]

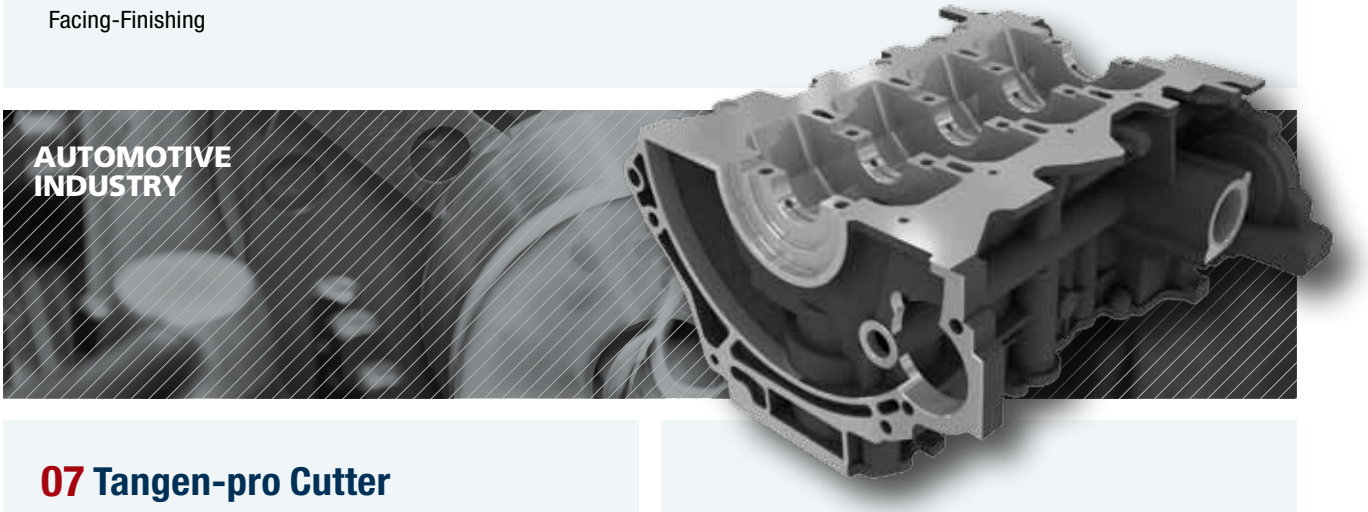
Facing

05 Shave Mill

＜SVM/SVUM＞

[Adjustable System, Front and Top Face]

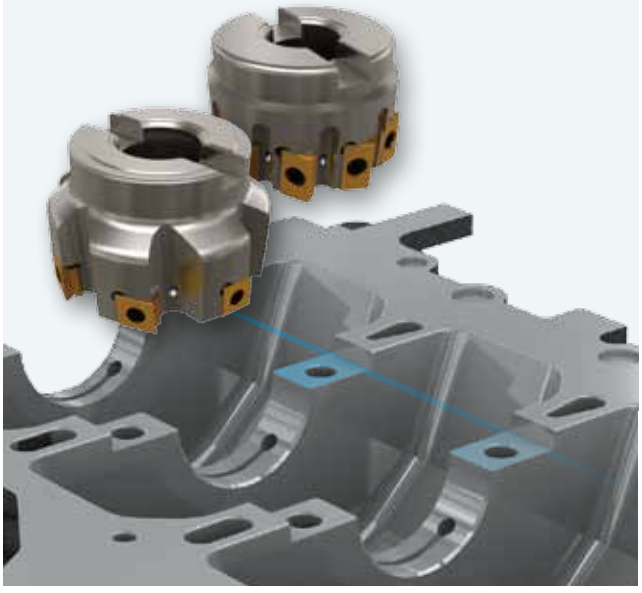
Facing-Finishing



07 Tangen-pro Cutter

[Bearing Cap Seat]

Facing-Roughing

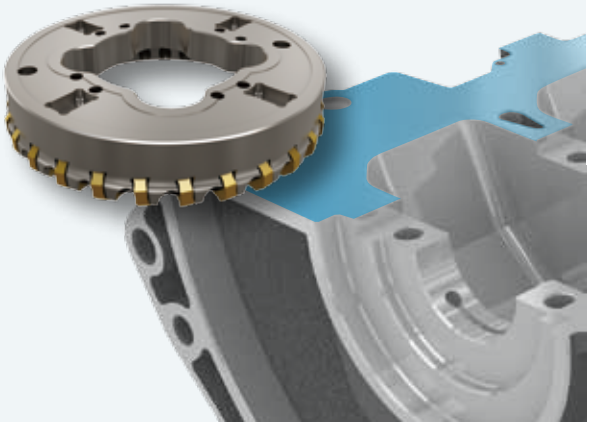


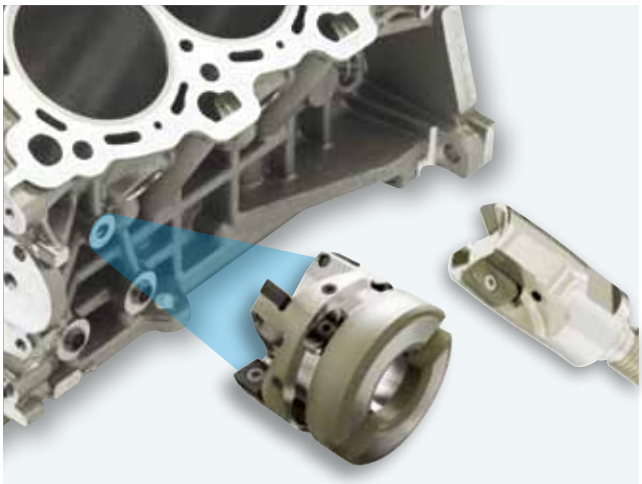
08 Wedge Mill

＜RMR16＞

[16 Corners, Wedge Shape]

Facing-Roughing





01 Aero Mill-Mini, Pro-X Mill Modular Type

<MAPD/PAXM>

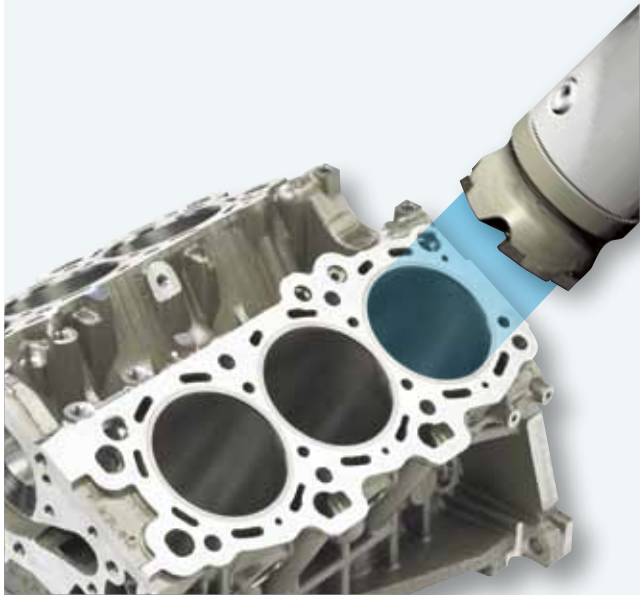
[Side Face]

Facing-Roughing, Finishing

02 Special Boring Cutter

[Cylinder Bore]

Boring-Roughing



Automotive Industry

03 Cylinder Block

(Al alloy)

03 Aero Mill, Aero Mill Plus

<APD/APD-P>

[Block Top and Bottom Face]

Facing-Roughing, Finishing

04 Special Side Cutter

[Start Motor Seat]

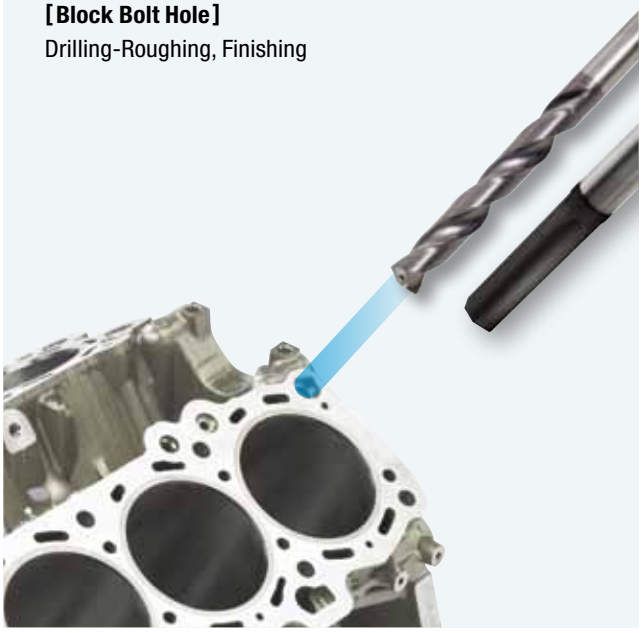
Boring-Roughing, Finishing

05 Mach Drill / Burnishing Drill

<MSDPH-N/ND Type>

[Block Bolt Hole]

Drilling-Roughing, Finishing

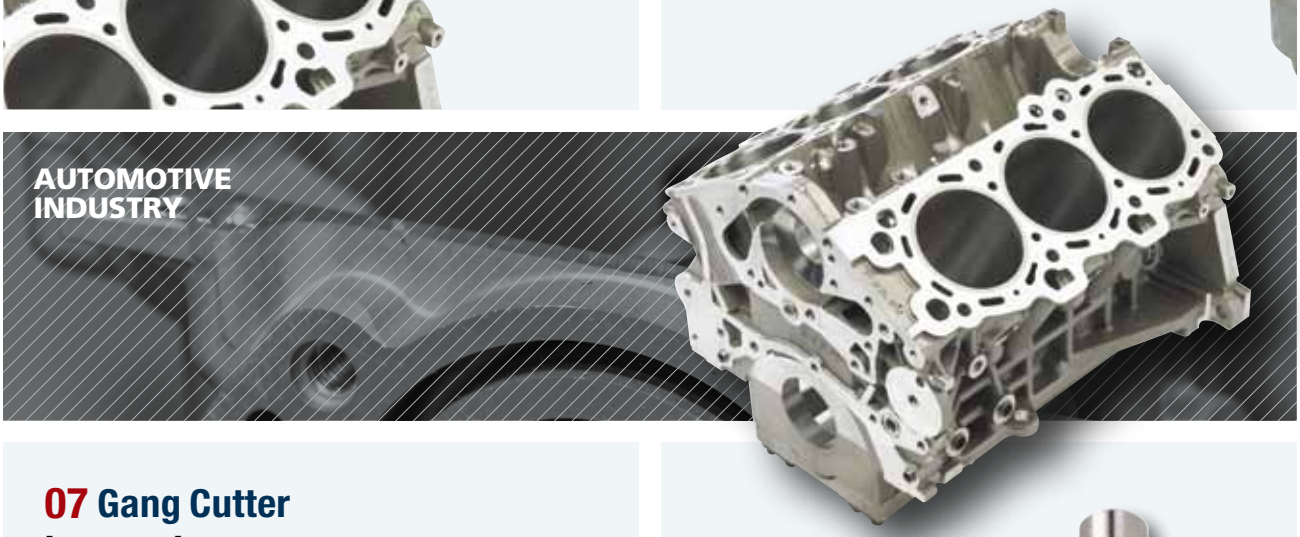


06 Aero Mill, Aero Mill Plus

<APD/APD-P>

[Block Front and Rear Face]

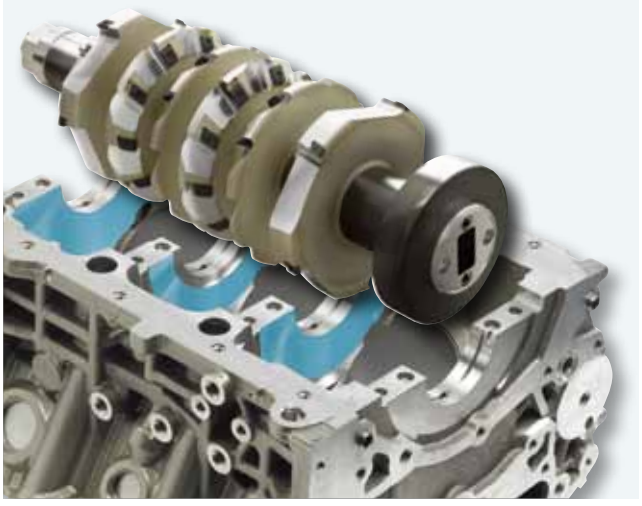
Facing-Roughing, Finishing



07 Gang Cutter

[Cheek Face]

Special Machining-Finishing



08 Pro-X Mill

<Pro-X Mill>

[Block Hole Seat]

Facing, Shouldering-Roughing, Finishing

01 Aero Mill, Aero Mill Plus

<APD/APD-P>

[Head Top and Bottom Face]

Facing-Roughing, Finishing

02 Line Boring Bar / High Speed Reamer

[Cam Shaft Bearing Seat]

Line Boring Bar-Boring

Automotive Industry

04 Cylinder Head

(Al alloy)

03 Straight Reamer / Step Burnishing Reamer

[Head Gallery Hole and Guide]

Reaming-Finishing

04 Valve Seat Guide Tool

[Valve Seat Face]

Drilling, boring-Roughing, Finishing

05 Micro Boring Bar

<FBH>

[Spark Plug Holes]

High Precision Boring

06 Mach Drill / Burnishing Drill

<MSDPH-N/ND Type>

[Head Holes]

Drilling-Centering, Drilling

[Head Bolt Hole]

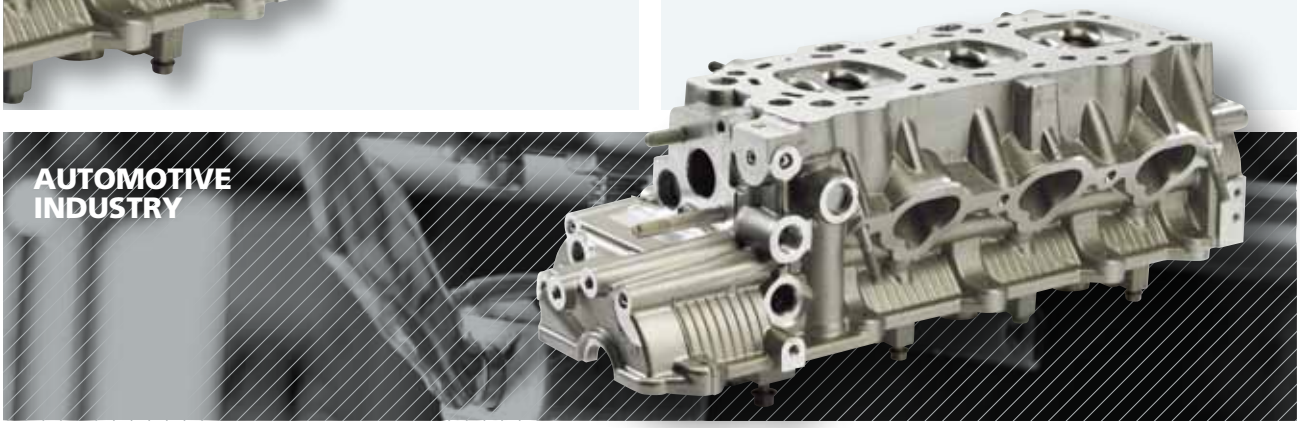
Burnishing Drill-Roughing, Finishing

07 Aero Mill-Mini

<MAPD>

[Bore Sides]

Facing-Roughing, Finishing



08 Laser Mill

<LBH, LBS>

[Inside Diameter]

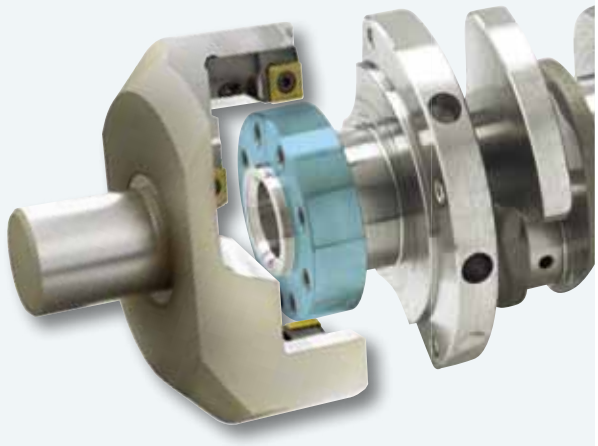
High Precision Finishing

09 Aero Mill, Aero Mill Plus

<APD/APD-P>

[Rear Face]

Facing-Roughing, Finishing



01 Hollow Mill

[Crank Shaft Flange End]
Facing and Outside Diameter(Multi Machining)

02 Counter Weight Miller

[Counter Weight]
Counter Weight O.D. Machining

Automotive Industry

05 Crank shaft

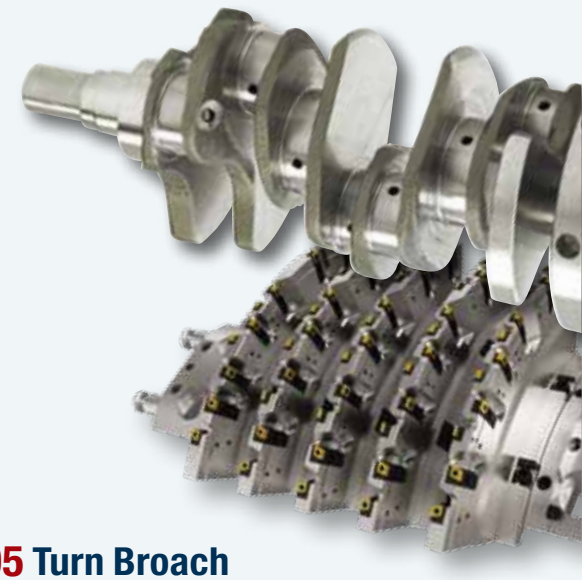
(Cast iron, Alloy steels)

03 Rich Mill

<RMT8Q>
[End Facing]
Facing-Roughing

04 TM Solid / Mach Step Drill

<MSDS, MSDHS>
[Flange End Holes]
· Drilling-Step Machining / Threading



05 Turn Broach

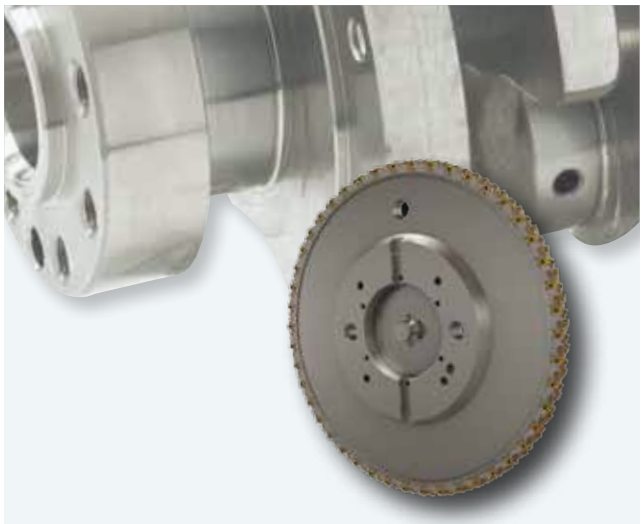
[Journal]
Turning-Roughing, Finishing

06 Rich Mill

<RM4, RM3 shank Type>
[Crank Arm Sides]
Facing

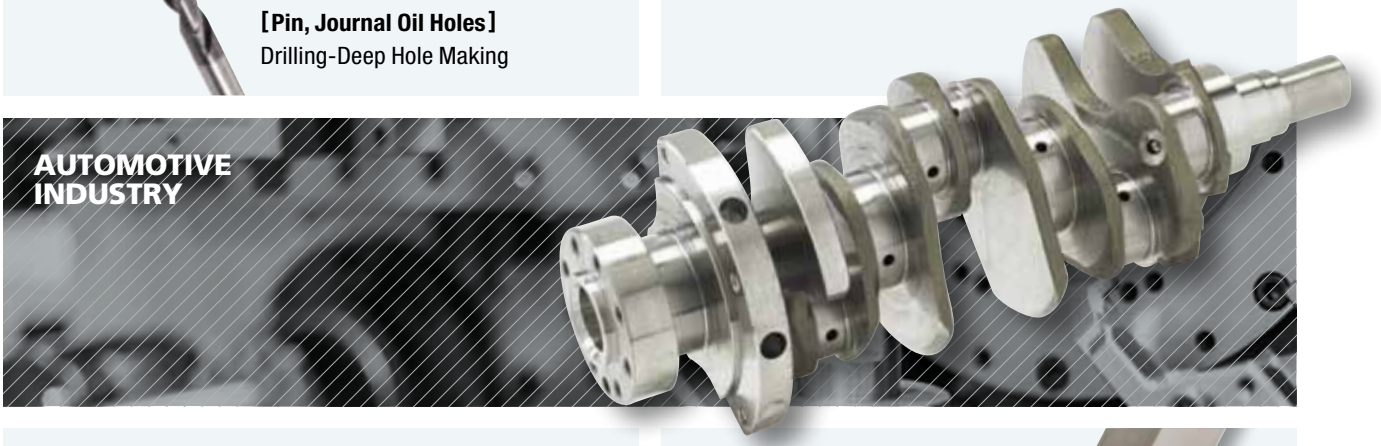
07 Mach Drill

<MLD, MLDH>
[Pin, Journal Oil Holes]
Drilling-Deep Hole Making



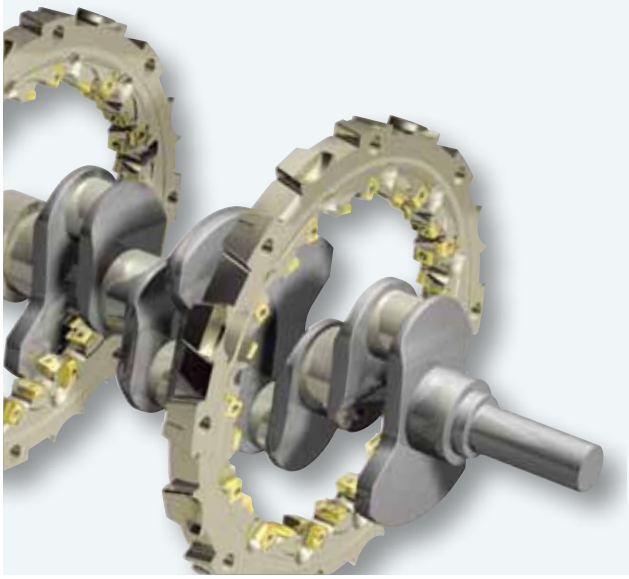
08 External Miller

[Pin, Journal]
O.D. Milling-Roughing, Finishing



09 Pin Miller / Journal Miller

[Pin, Journal]
O.D. Milling-Roughing, Finishing



10 Double Clamp

<DCLNR/L>
[Boss End]
O.D. Turning-Roughing, Finishing

01 Rich Mill

<RMT8Q>
[End Facing]
Facing-Roughing

Automotive Industry

06

Cam Shaft

(Cast iron, Alloy steels)

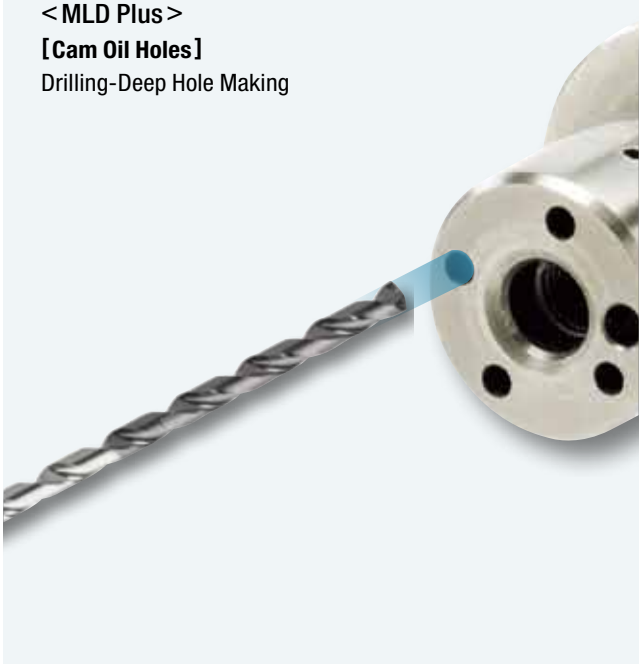
02 Double Clamp Holder

<DCLNR/L>
[Cam Edge Ends]
Turning-Outside Diameter Machining

< *CNMG* >

03 Mach Long Drill

<MLD Plus>
[Cam Oil Holes]
Drilling-Deep Hole Making



04 Special Cam(Groove) Miller

[Cam and Mec Groove]

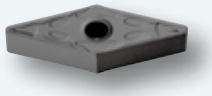
Special Machining-Slotting (Edges and Chamfers)

05 Double Clamp Holder

<DVJNR/L>

[Cam Journals]

Turning-Grooving Part



<VNMG>

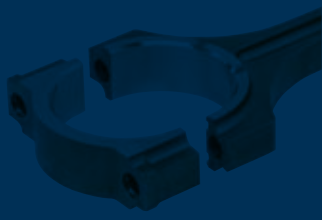
01 Indexable Step Drill

[Small Ends, Inside Diameter]
Drilling, Facing-Roughing, Finishing

Automotive Industry

07 Connecting Rod

(Ti alloy, Carbon steels)

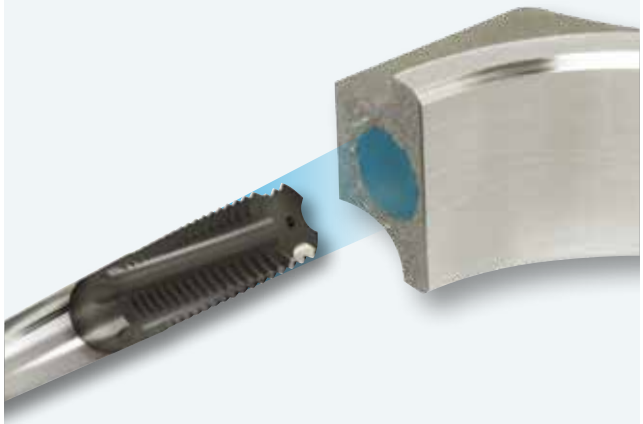


02 Mach Drill

<MSDP, MSDPH>
[Bolt Holes]
Drilling-Centering

03 TM Solid

[Bolt Hole Nuts]
Threading



04 Rich Mill

＜RM8/RMT8＞

[Big Ends]

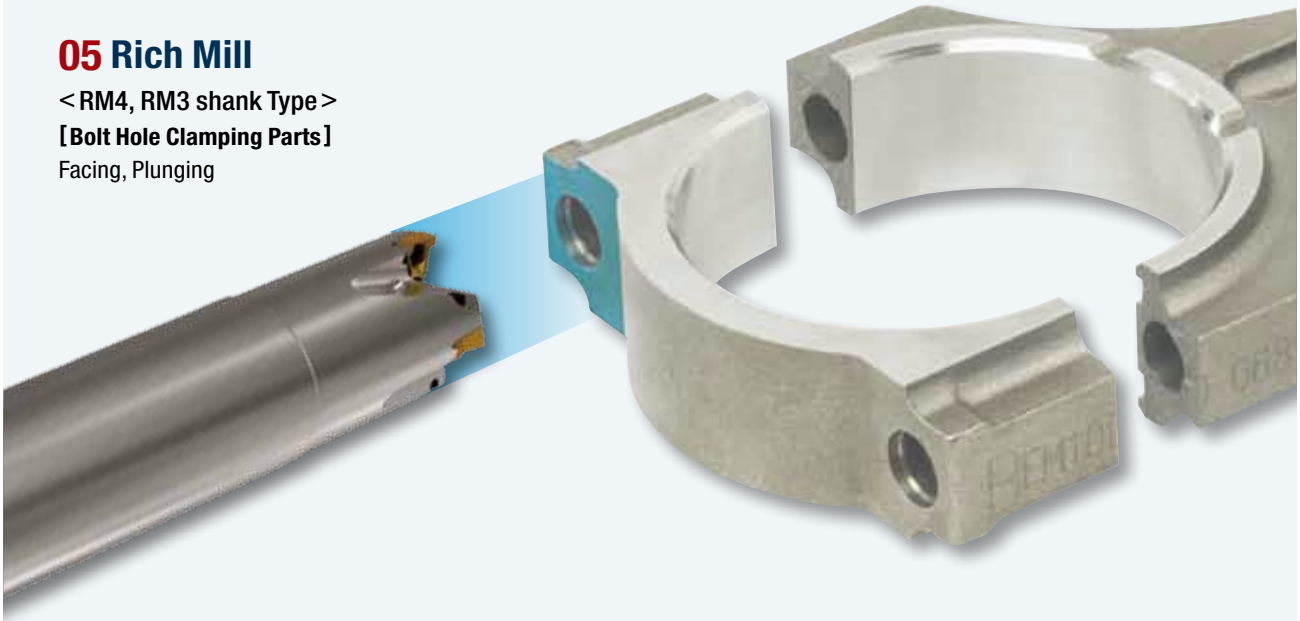
Facing-Roughing, Finishing

05 Rich Mill

＜RM4, RM3 shank Type＞

[Bolt Hole Clamping Parts]

Facing, Plunging



01 Rich Mill

<RM4, RM3>

[Cap Hole Clamping Part]

Facing, plunging-Roughing, Finishing

Automotive Industry

08

Bearing Cap

(Heat treated carbon steels)

02 Rich Mill

<RM8>

[Cap Mounting]

Facing-Roughing, Finishing

03 Wind Mill

[Bearing Cap Side]

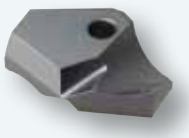
Special-Parting

04 Exchangeable Drill

<TPDB, TPDC>

[Cap Clamping Bolt Holes]

Drilling-Centering, Drilling



01 Future Mill

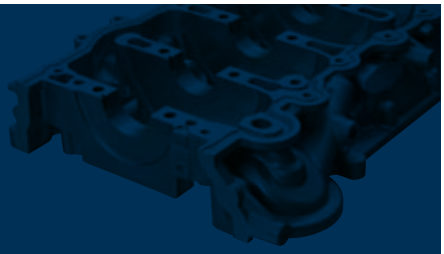
<FMPC>
[Bearing Cap]
Facing-Roughing

Automotive Industry

09

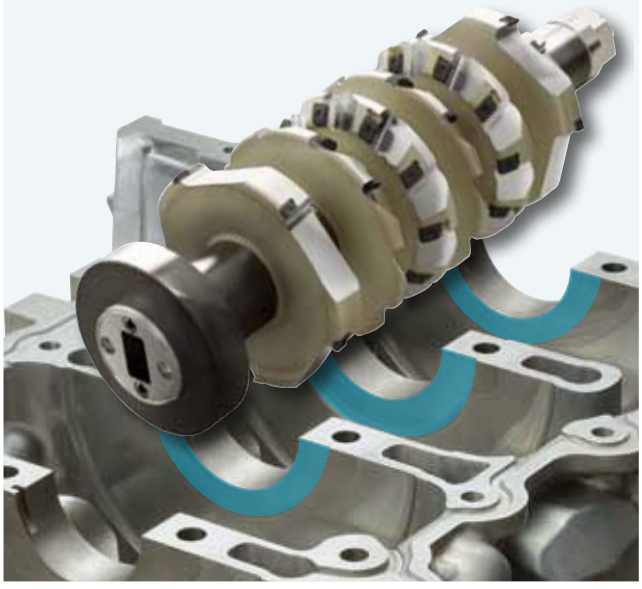
Crank Case

(Al alloy + Cast iron)



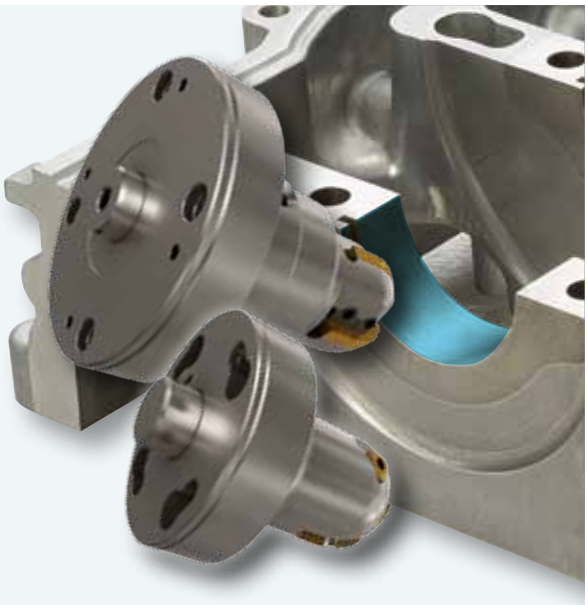
02 Gang Cutter

[Cheek Face]
Facing



03 Mach Drill

<MSDPH>
[Bearing Cap]
Drilling



04 Boring Tool

[Bearing Cap]

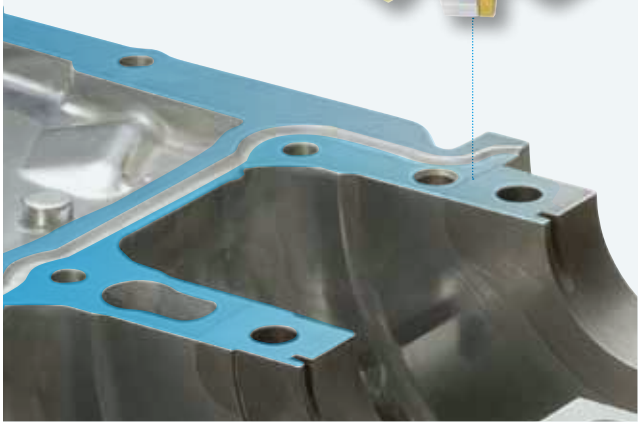
Boring-Roughing

05 Rich Mill

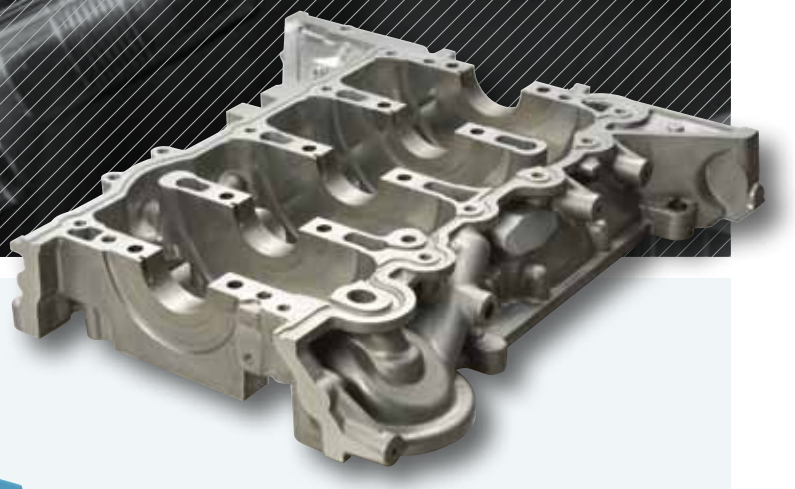
<RM16>

[Bearing Cap]

Facing-Roughing



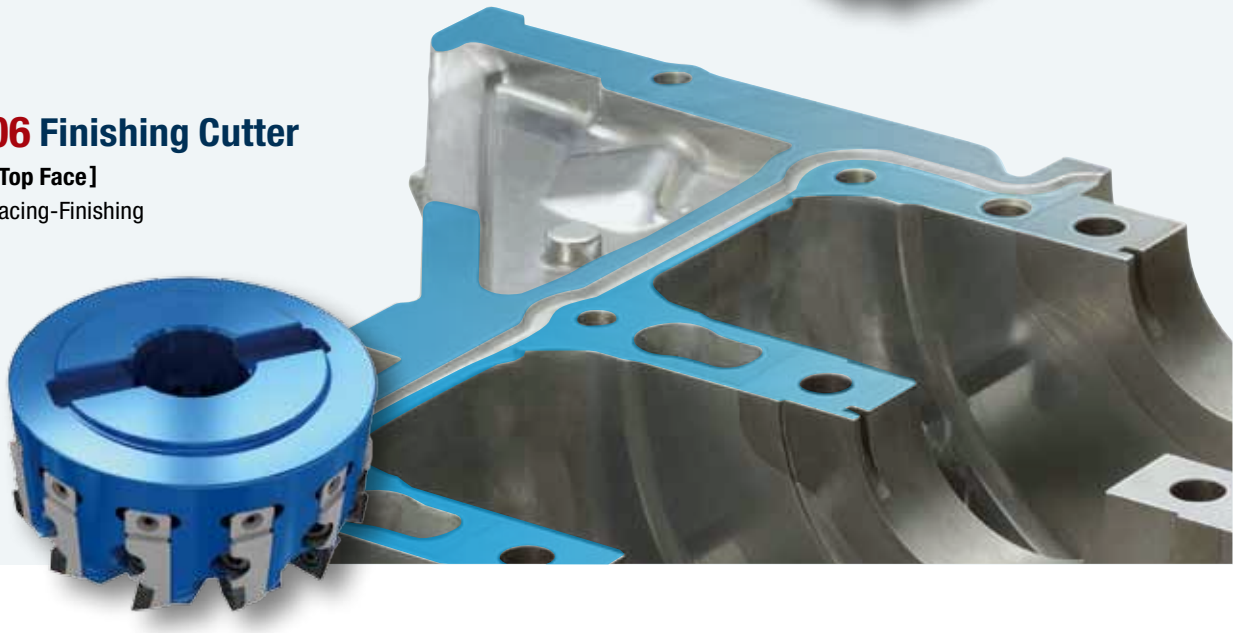
AUTOMOTIVE INDUSTRY



06 Finishing Cutter

[Top Face]

Facing-Finishing



01 MGT Holder

<MGEHR>

[Fly Wheel Chamber]

Turning-I.D. Finishing

< *MRGN-A* >

Automotive Industry

10

Fly Wheel

(Al alloy)

02 TB Holder

<TBH>

[Fly Wheel Ring Seat]

Turning-Grooving

< *TB* >

03 MGT Holder

<MGEHR>

[Fly Wheel Outside Diameter]

Turning-O.D. Profiling

< MRGN-A >

04 Special Holder

<VCGT>

[Fly Wheel Holes]

Turning-Inside Diameter Finishing

01 Double Clamp Holder

<DCLNR/L>
[Face turning]
Turning-Roughing

< *CNMG* >

Automotive Industry

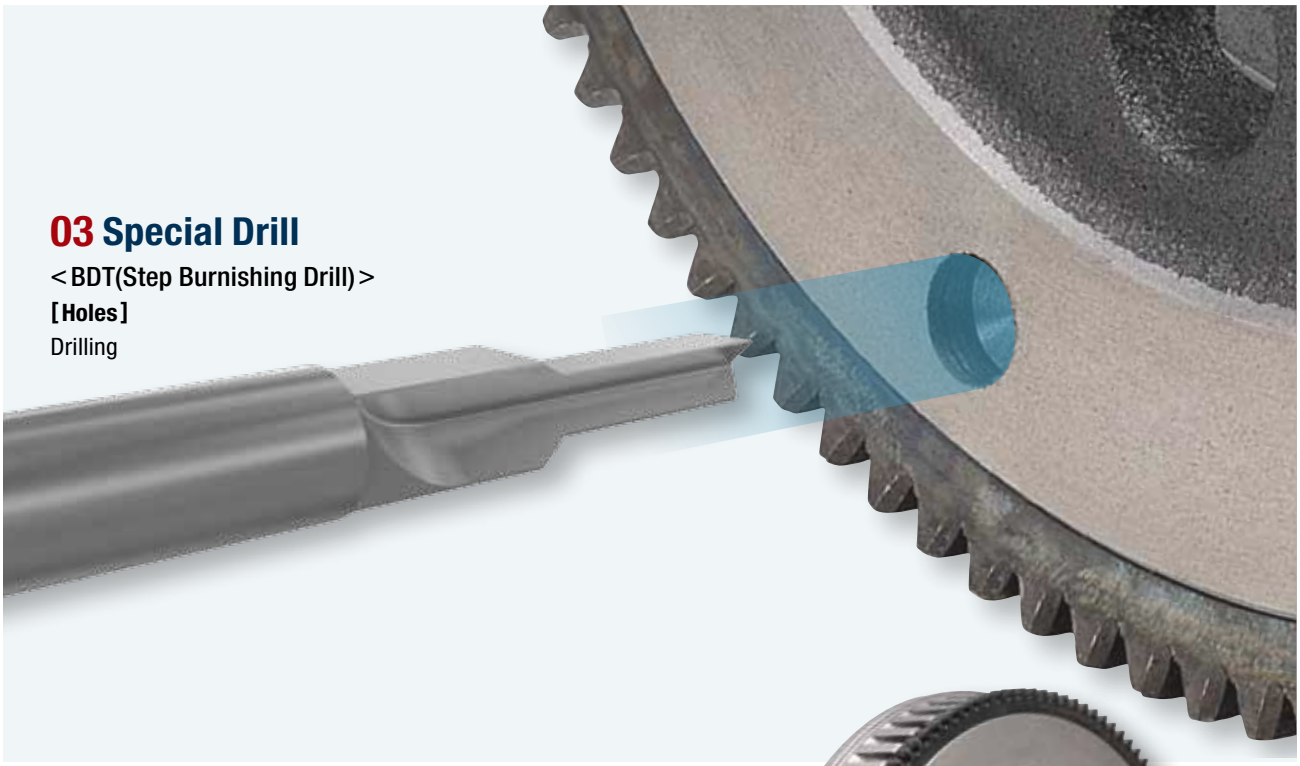
11

Fly Wheel

(Cast iron)

02 Mach Drill

<MSDP, MSDPH>
[Holes]
Drilling

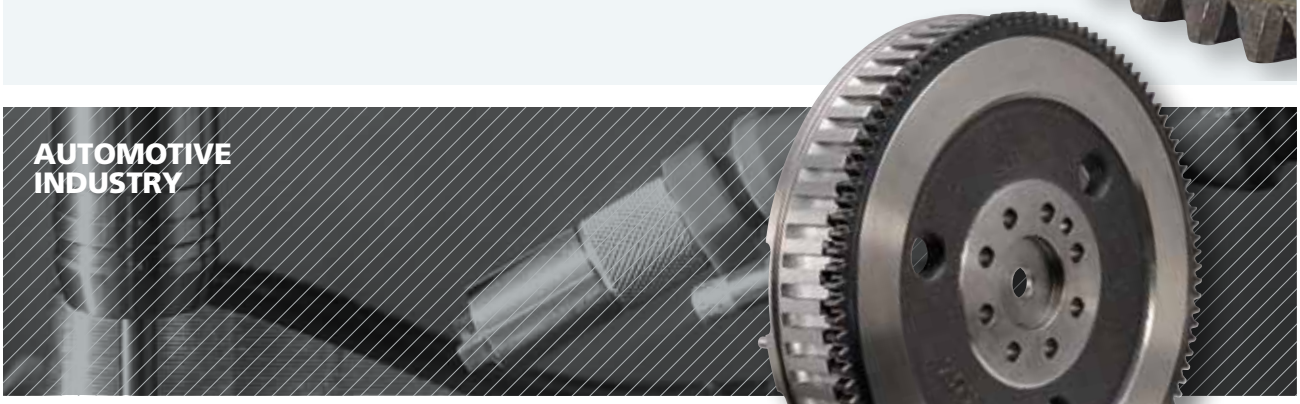


03 Special Drill

< BDT(Step Burnishing Drill) >

[Holes]

Drilling



04 Screw On Holder

< SDJCR/L >

[Face Turning]

Turning-Finishing

< *DCMT* >

01 Special Insert for Pulley

< DF356 >
[Groove]
Grooving

Automotive Industry

12

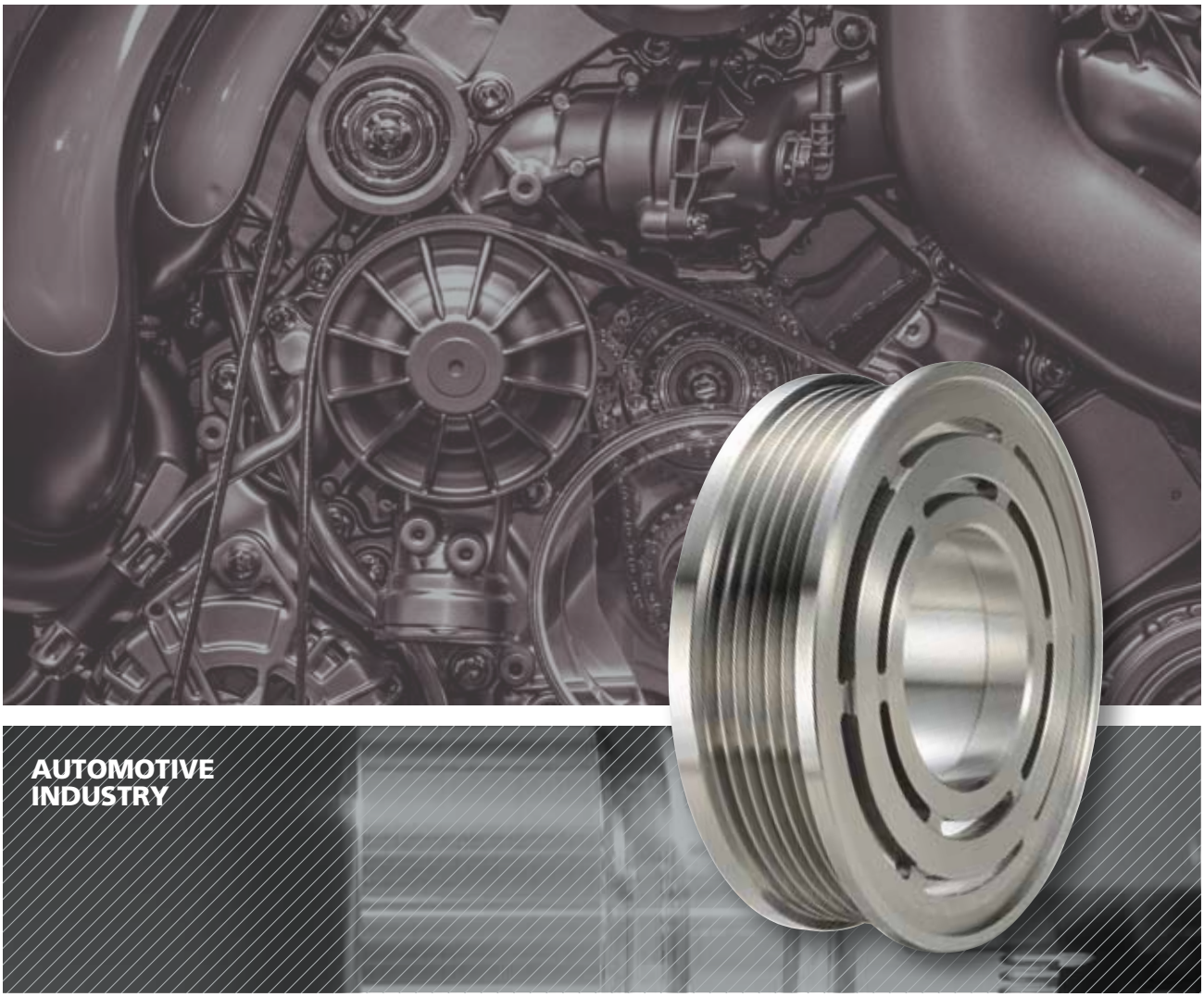
Pulley

(Low carbon steels)

02 Double Clamp Holder

< DDJNR/L >
[Face Turning]
Turning

< *DNMG* >



03 Double Clamp Holder

< DCLNR/L >

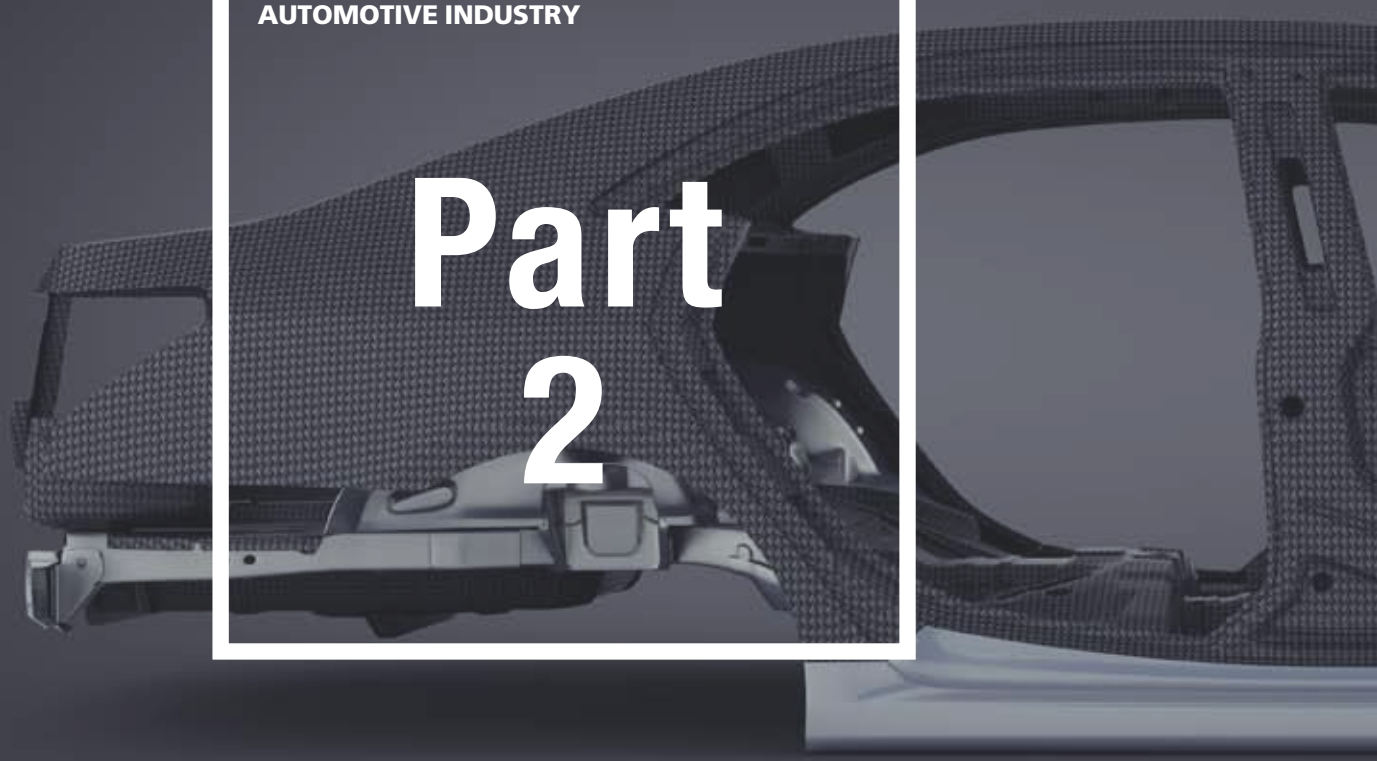
[Outside Diameter]

Turning

< *CNMG* >

AUTOMOTIVE INDUSTRY

Part 2

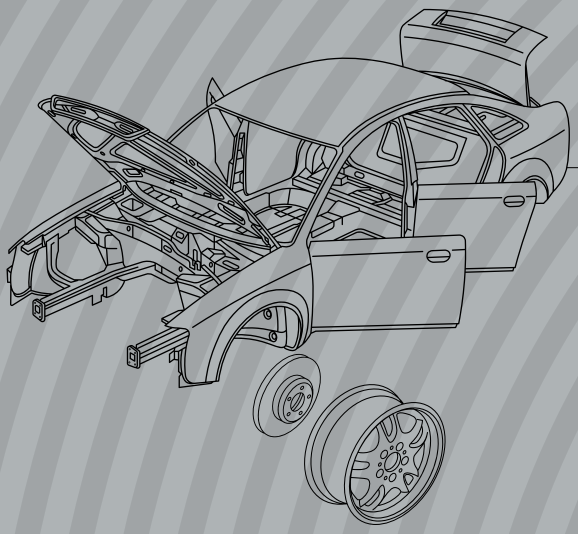


AUTOMOTIVE INDUSTRY

Part 2

Other Automotive Parts

Part 2 Other Automotive Parts



Transmission Housing

Al alloy

Main Shaft

Low carbon steels

Caliper Bracket

Cast iron

Brake Disc

Cast iron

Wheel

Aluminum

Valve Body

Al alloy

Knuckle

Gray cast iron

CV Joint

Forged steels

ABS Housing

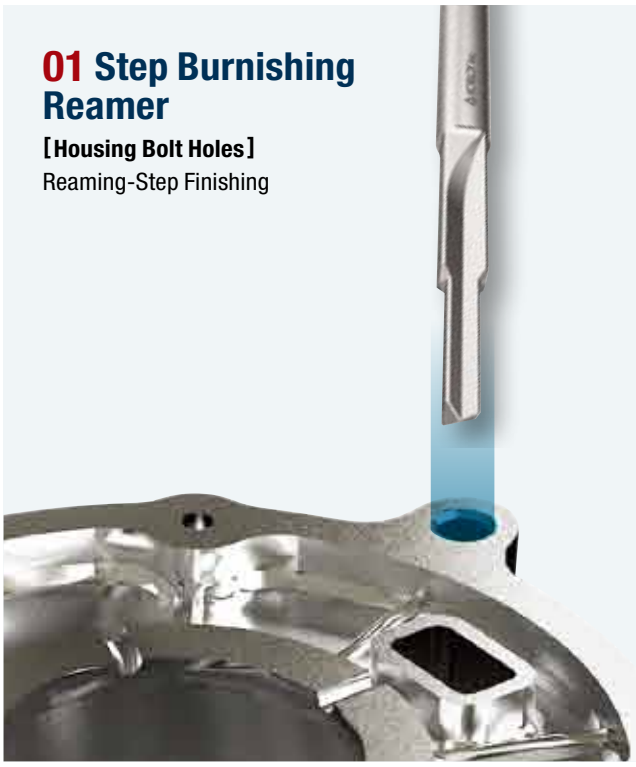
Al alloy

Manifold

Cast iron, Al alloy

01 Step Burnishing Reamer

[Housing Bolt Holes]
Reaming-Step Finishing



02 Special Boring Cutter

<HSK, Cartridge type>
[Cylinder Bore, Oil Seat]
Boring-Finishing

Automotive Industry

01 Transmission Housing

(Al alloy)

03 PCD Drill

[Hydraulic Holes and Connecting Holes]
Drilling, Boring, Chamfering

04 Aero Mill Plus

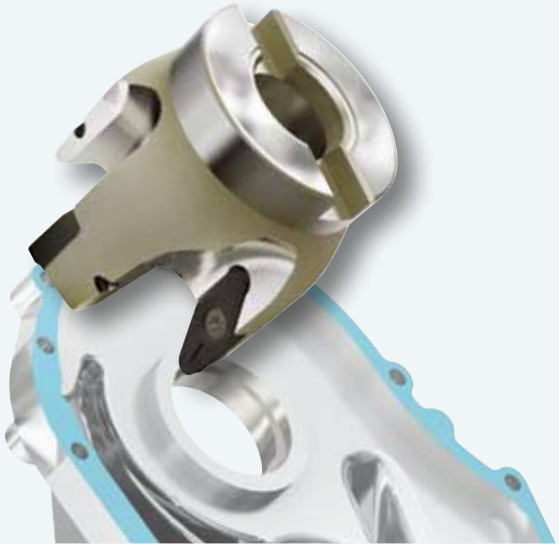
<APD-P>
[Top Face]
Facing-Medium Cutting to Finishing

05 Pro-A Mill

<PAS/C>

[Housing Mounting Face]

Facing-Finishing



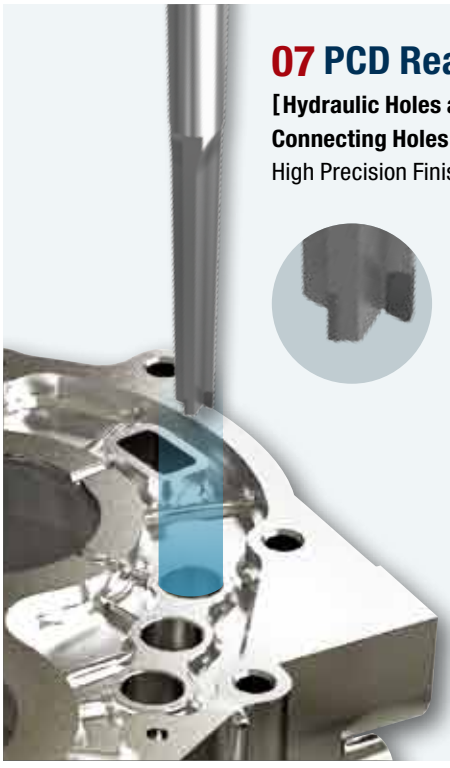
06 Mach Drill

<MSDP, MSDPH>

[Housing Clamping Bolt Holes]

Drilling

AUTOMOTIVE INDUSTRY



07 PCD Reamer

[Hydraulic Holes and Connecting Holes]

High Precision Finishing

08 TM Solid

[Side Clamping Bolt Holes]

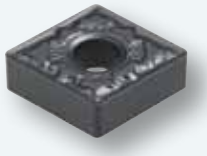
Threading

01 Double Clamp Holder

< DCLNR/L >

[Outside Diameter and Face Turning]

Turning-Roughing to Medium Cutting



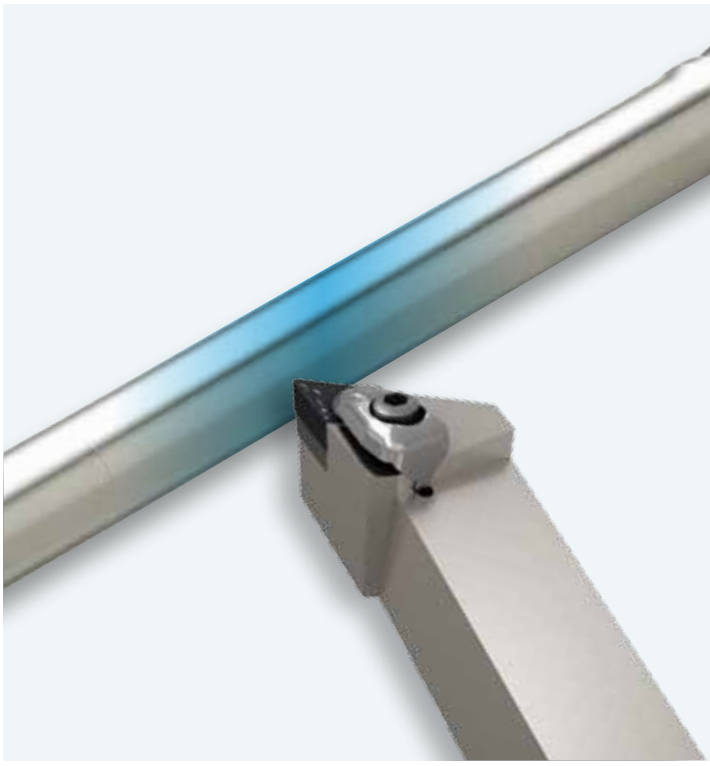
< *CNMG* >

Automotive Industry

02

Main Shaft

(Low carbon steels)

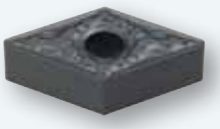


02 Double Clamp Holder

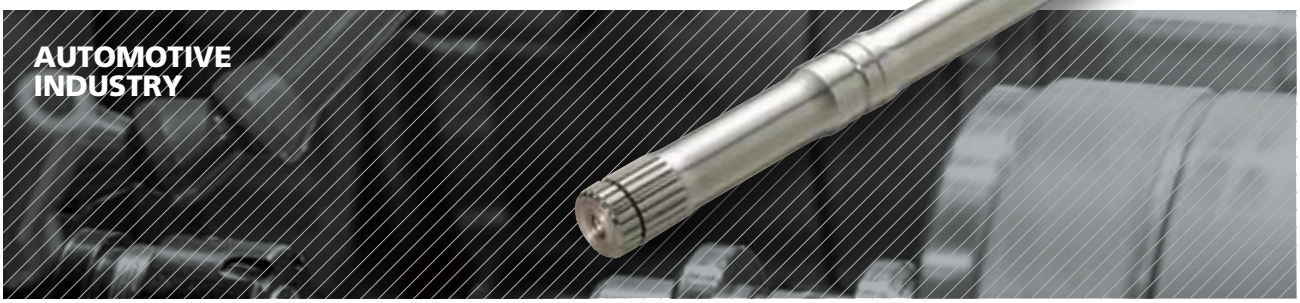
< DDJNR/L >

[Outside Diameter]

Turning-Finishing



< *DNMG* >



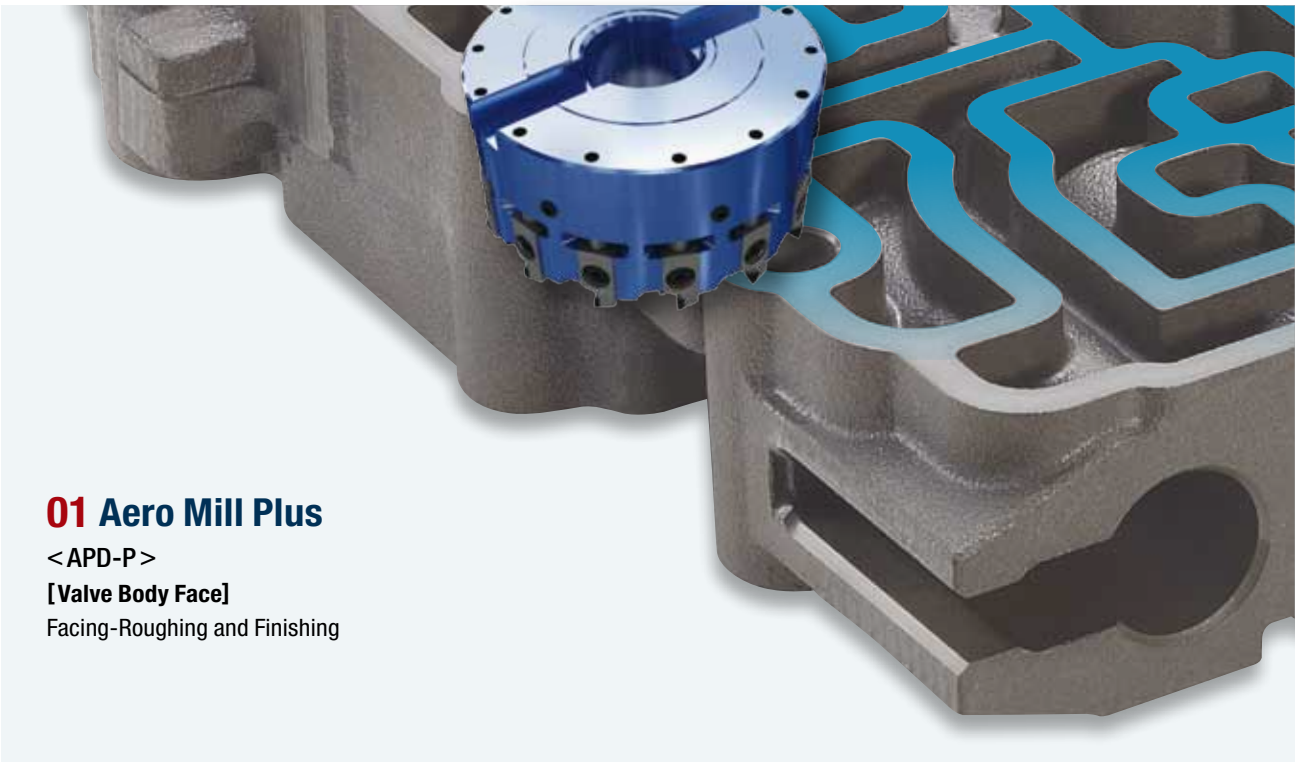
03 Grooving Holder

< KGEHR/L>

[Journal]

Grooving and Turning

< *KGMN* >



01 Aero Mill Plus

<APD-P>

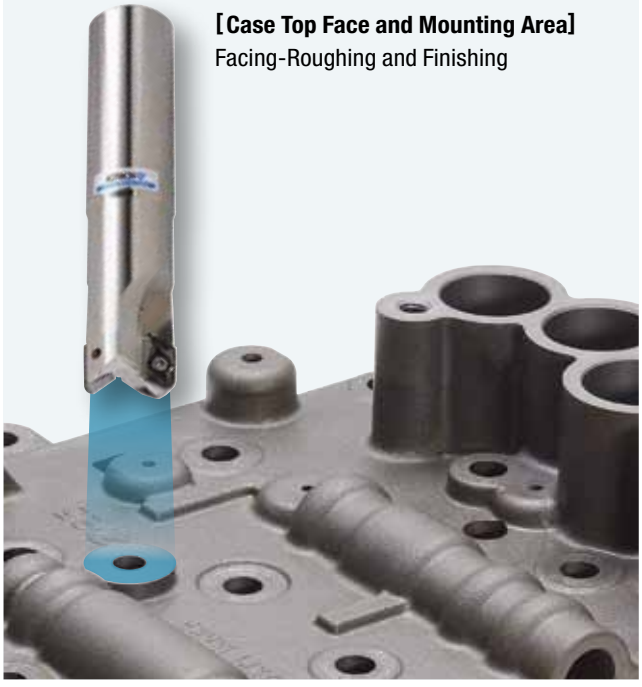
[Valve Body Face]

Facing-Roughing and Finishing

Automotive Industry

03 Valve Body

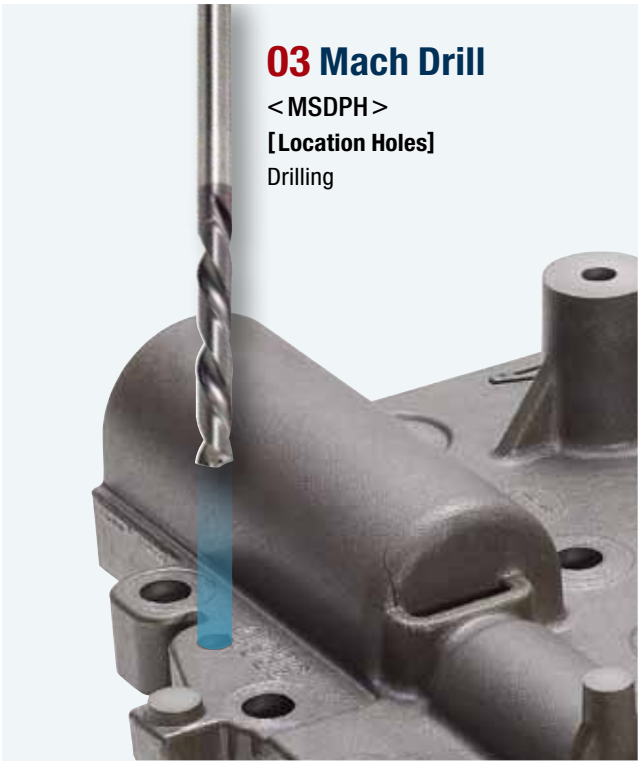
(Al alloy)



02 Pro X-mill

[Case Top Face and Mounting Area]

Facing-Roughing and Finishing



03 Mach Drill

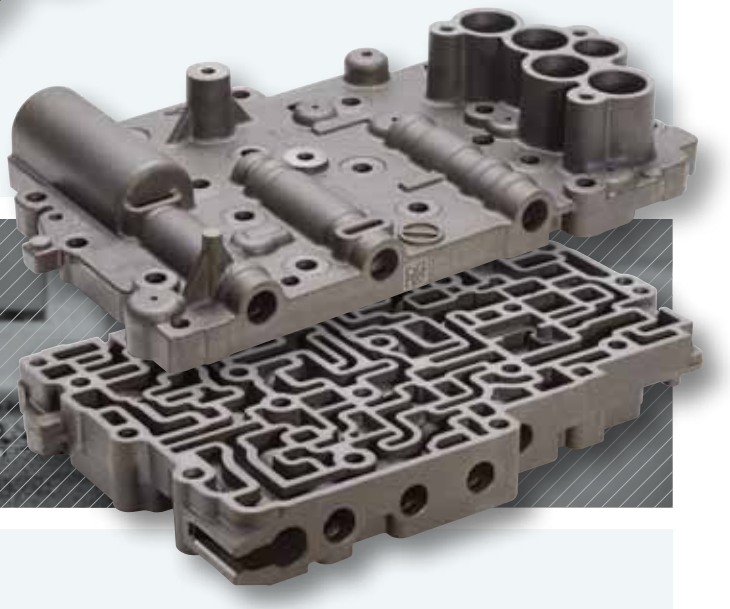
<MSDPH>

[Location Holes]

Drilling

04 Step Burnishing Reamer

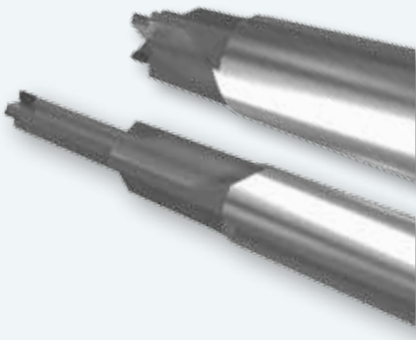
[Solenoid Holes]
Reaming-Finishing



AUTOMOTIVE INDUSTRY

05 Mach Drill

<Double Margin>
[Location Holes]
Drilling



01 Indexable Side Cutter

<RMT8>
[Damper(upper arm)]
Double Side Milling

Automotive Industry

04

Knuckle

(Gray cast iron)

02 Mach Drill

<MSDPH>
[Caliper Holes]
Drilling

03 Indexable Side Cutter

<RM8>
[Tie Rod, Low Arm]
Full Side Face Milling

04 TPDC Drill

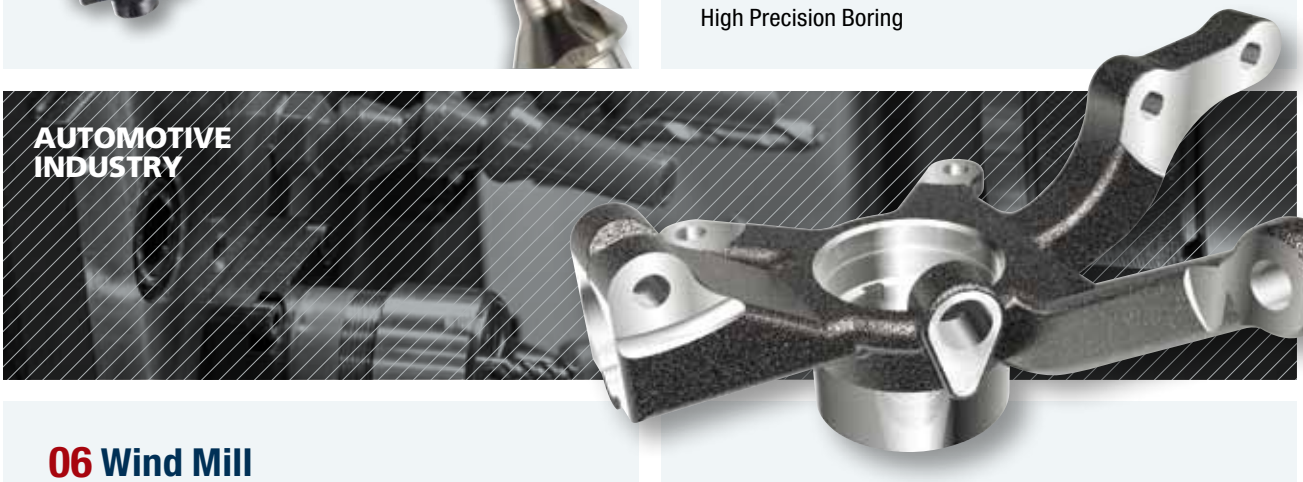
[Low Arm, ABS, Caliper]

Drilling, Chamfering

05 Micro Boring Bar

[Knuckle Center Hole]

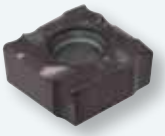
High Precision Boring

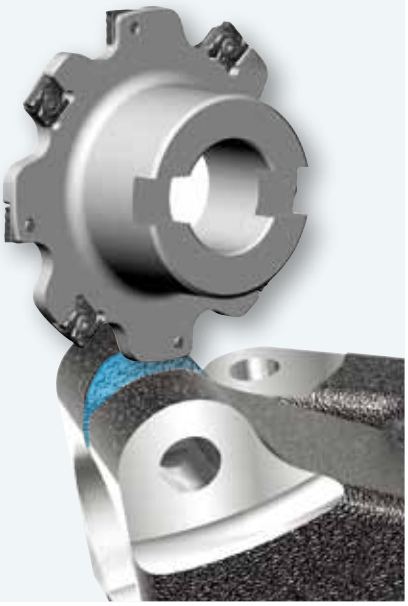


06 Wind Mill

[Low Arm]

Slotting



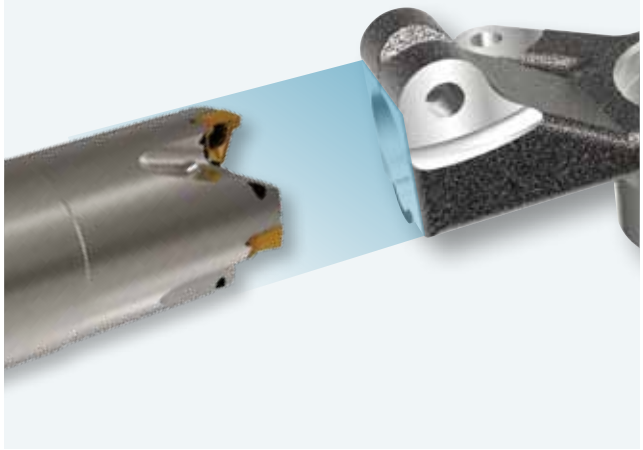


07 Rich Mill

<RM3>

[Low Arm, ABS, Caliper]

Facing-Roughing and Finishing



01 TB Holder

<TBH>

[Outside Diameter]

Grooving

< *TB-M* >

Automotive Industry

05

CV Joint

(Forged steels)

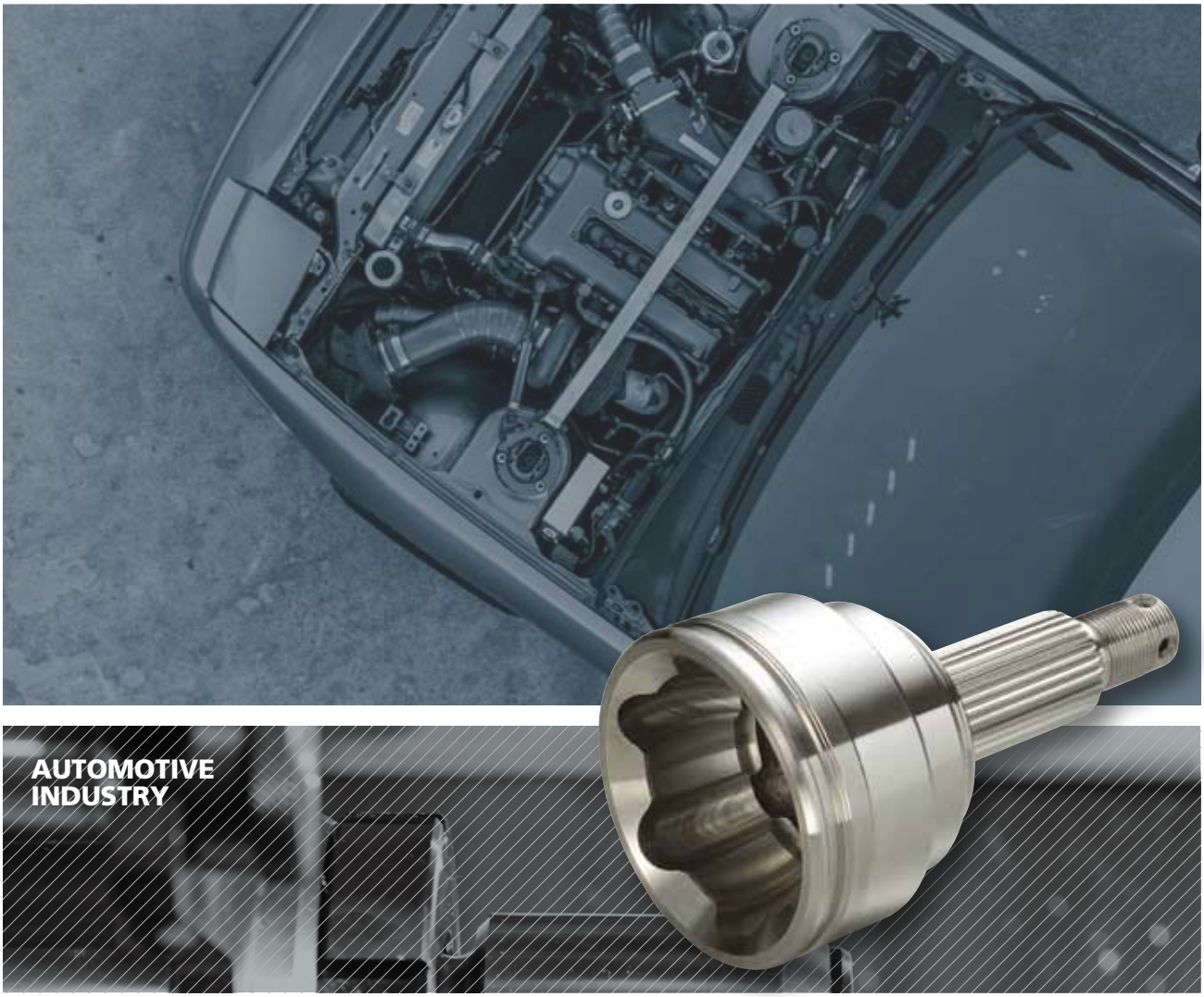
02 Double Clamp Holder

<DCLNR/L>

[Outside Diameter]

Turning

< *CNMG* >



03 Laser Mill

<LBH, LBS>

[Inside Diameter]

Endmilling

01 Special Side Cutter

[Disk Seat]
Slotting

02 Special Boring Bar

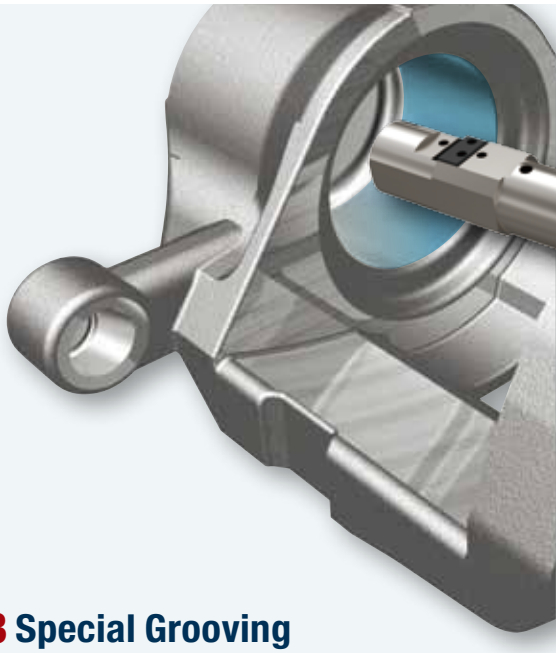
[Cylinder Holes]
Boring, Chamfering

Automotive Industry

06

Caliper Bracket

(Cast iron)



03 Special Grooving

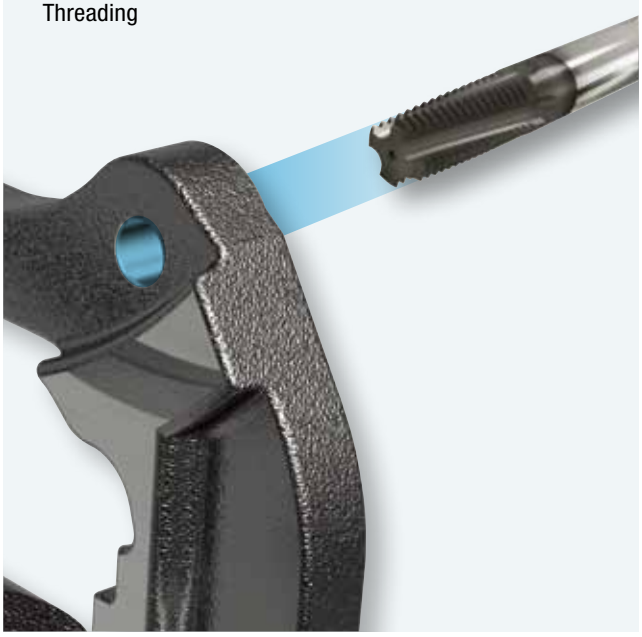
[Cylinder Holes]
Grooving

04 Special Side Cutter

[Break Seat]
Slotting

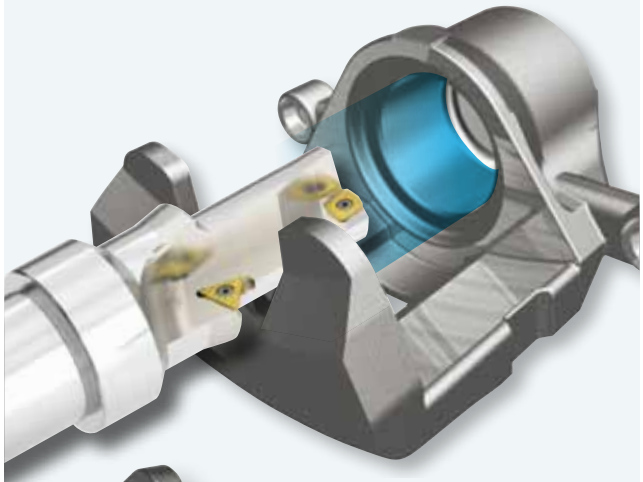
05 TM Solid

[Carrier Reference Holes]
Threading



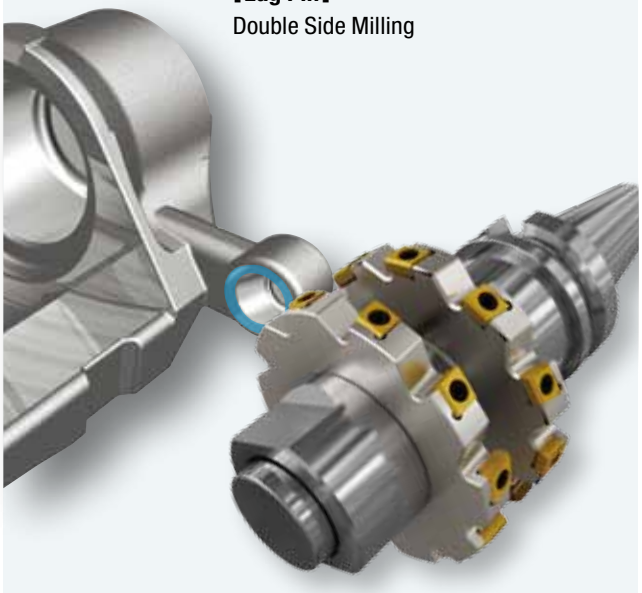
06 Step Drill

[Cylinder Holes]
Drilling, Chamfering



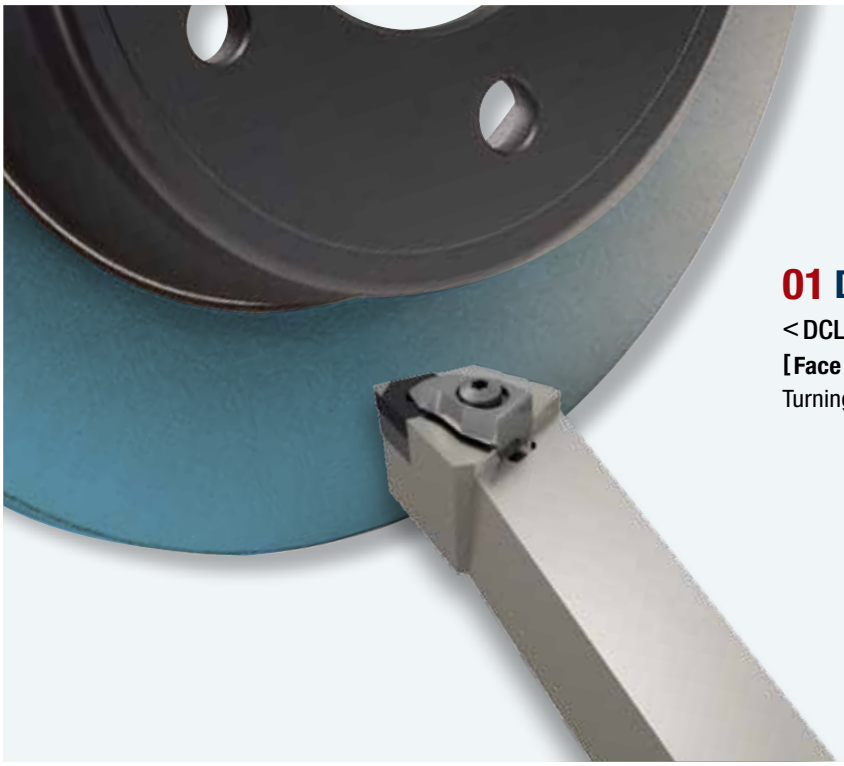
07 Special Side Cutter

[Lug Pin]
Double Side Milling



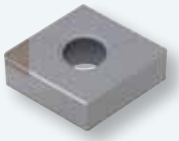
08 Burnishing Drill

[Carrier Reference Holes]
Drilling



01 Double Clamp Holder

<DCLNR/L>
[Face Turning]
Turning

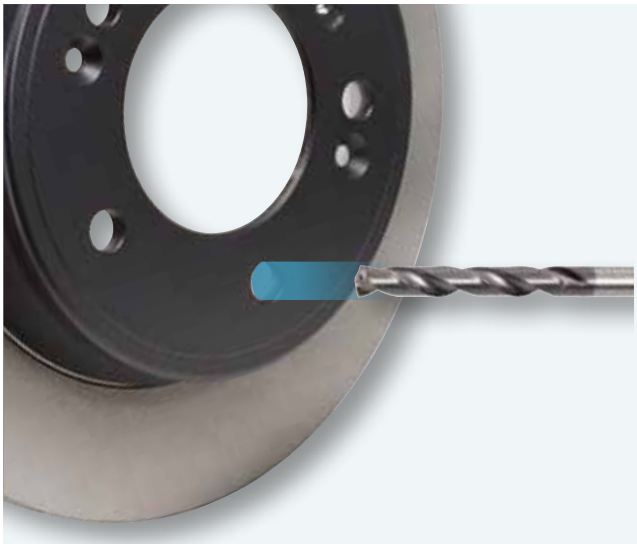


<CNMA(cBN)>

Automotive Industry

07 Brake Disk

(Cast iron)



02 Mach Drill

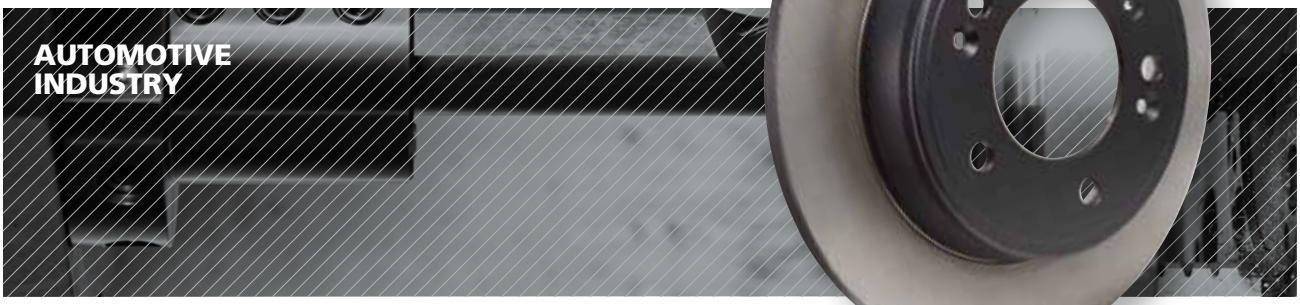
<MSDP, MSDPH>
[Fixing Holes]
Drilling

03 Double Clamp Holder

<DCLNR/L>
[Drum Cover]
Turning

04 Double Clamp Holder

<DSBNR/L>
[Outside Diameter]
Turning



05 Mach Drill

<MSDP, MSDPH>
[Fixing Bolt Holes]
Drilling

01 MGT Holder

<MGEHR/L>

[Wheel Outside Diameter]

Turning-Roughing, Finishing

< MRGN-A(PCD) >

Automotive Industry

08 Wheel

(Aluminum)

02 King Drill Step Drill

<SPMT, XOMT-ND>

[Wheel Bolt Holes]

Drilling, Chamfering

03 Boring Bar

< MGIXR/L >

[Wheel Inside Diameter]

Turning-Roughing, Finishing

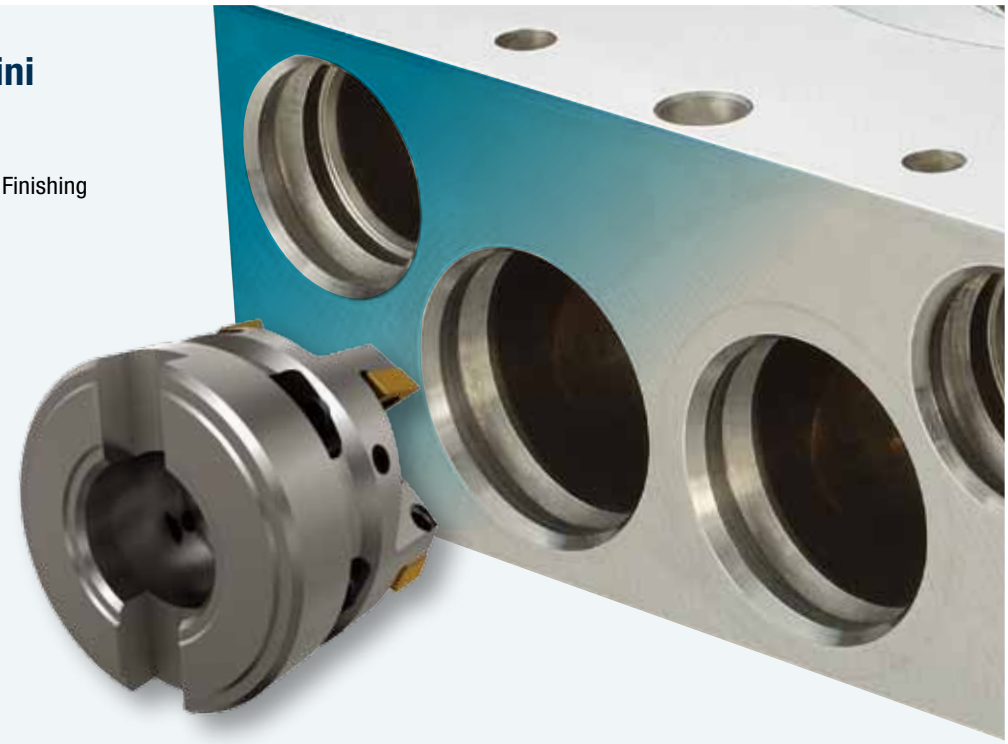
< MRGN-A(PCD) >

01 Aero Mill-Mini

<MAPD>

[ABS Housing Face]

Facing-Medium Cutting to Finishing

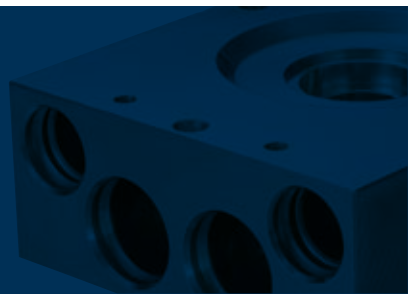


Automotive Industry

09

ABS Housing

(Al alloy)



02 TM Solid

<Thread Milling Tool>

[TAP]

Threading

03 Burnishing Drill

[TAP]

Drilling

04 PCD Boring Tool and Drills

[ABS Housing Multi Holes, Countersink Step Holes and Connecting Holes]

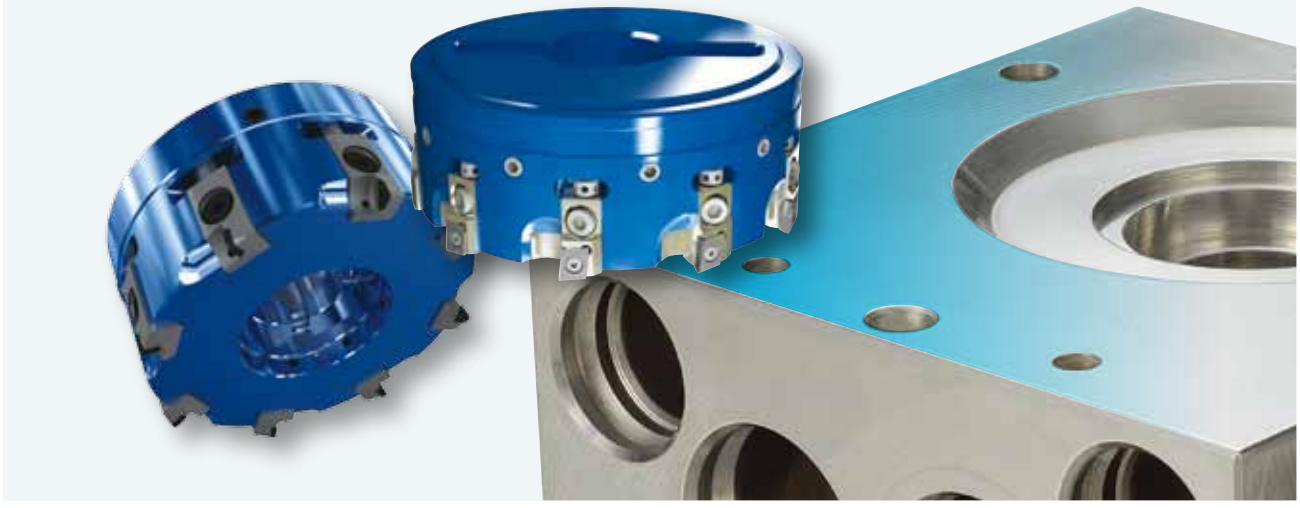
Boring, Drilling

05 Aero Mill, Aero Mill Plus

<APD, APD-P>

[ABS Housing Face]

Facing-Medium Cutting to Finishing



01 Aero Mill, Aero Mill Plus

<APD, APD-P>
[ABS Housing Face]
Facing-Medium Cutting to Finishing

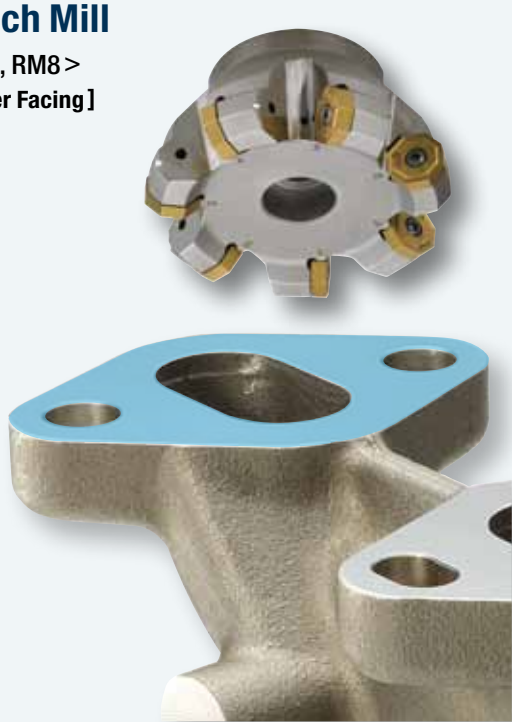
Automotive Industry

10 Manifold

(Cast iron, Al alloy)

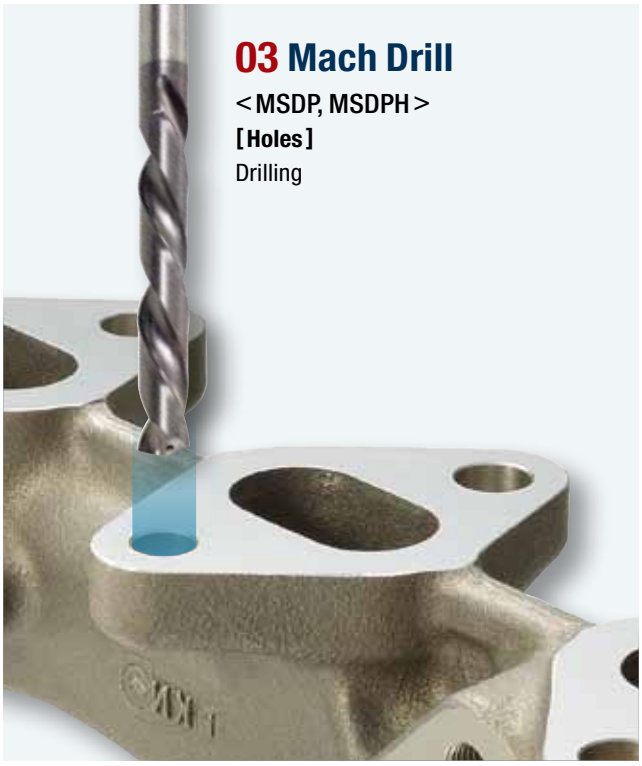
02 Rich Mill

<RM16, RM8>
[Cylinder Facing]
Facing



03 Mach Drill

<MSDP, MSDPH>
[Holes]
Drilling

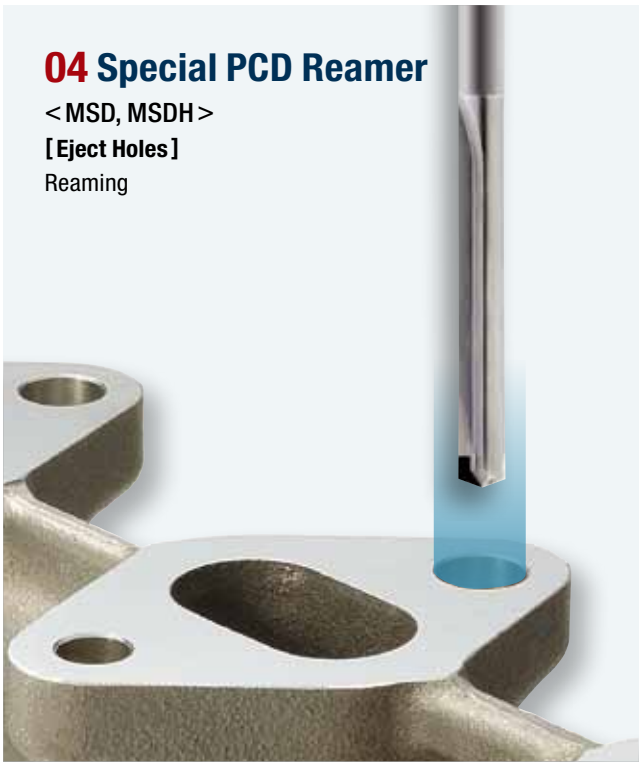


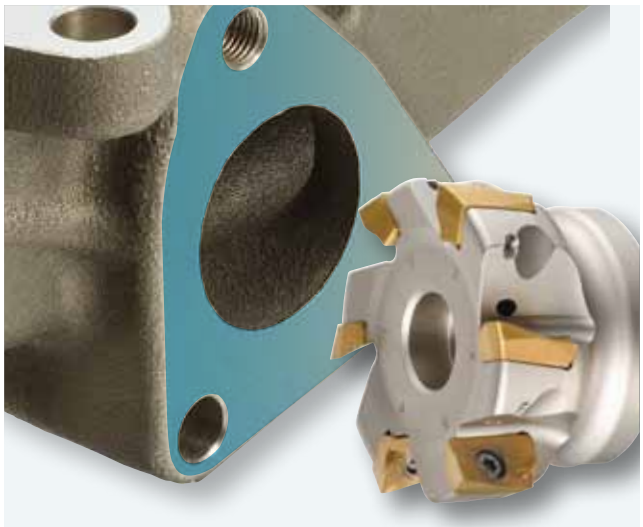
04 Special PCD Reamer

<MSD, MSDH>

[Eject Holes]

Reaming





05 Rich Mill

<RM6, Alpha Mill X>

[Facing]

Facing

06 Rich Mill

<RM3/RM4>

[Manifold Bracket & Eject Hole Face]

Facing

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