



AUTO

ADVANCEcutting
TaeguTec

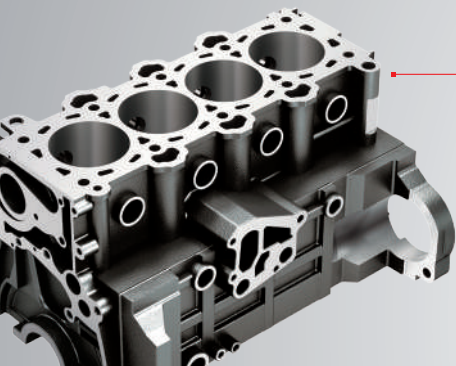
TaeguTec **AUTOMOTIVE** Industry Solutions

AUTOMOTIVE



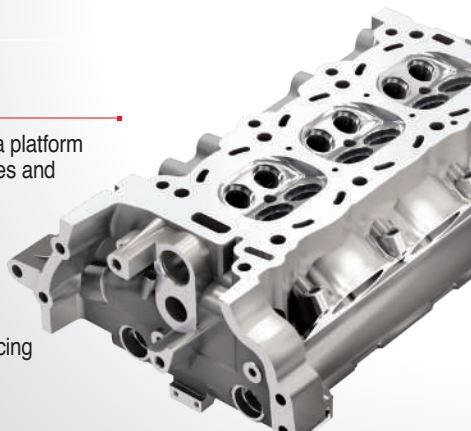
CYLINDER BLOCK

The cylinder block, as it is the most fundamental part of the engine body, is designed and developed from specific materials to endure rigorous forces, friction and vibration during engine operation. It is of great importance that cylinder heads are manufactured to their exact specification in order to operate smoothly and efficiently. TaeguTec offers a wide variety of solutions that quickly and efficiently machine the different materials and precise cutting conditions needed in fabricating safe and reliable cylinder blocks.



CYLINDER HEAD

The cylinder head sits above the cylinder block and consists of a platform containing part of the combustion chamber that locates the valves and spark plugs. The cylinder head is key to the performance of the internal combustion engine as the shape of the combustion chamber, inlet passages and ports determine a major portion of the volumetric efficiency and compression ratio of the engine. Like the cylinder block, precise machining is crucial in producing the highest quality parts that are safe, reliable and efficient. TaeguTec's extensive experience and solutions in quickly producing cost effective, strong, and efficient cylinder heads is paramount in the production of today's technologically advanced vehicles.



CRANKSHAFT

The crankshaft is the part of the engine that translates reciprocating linear piston motion into rotational motion. Crankshafts can be forged from a steel bar usually through roll forging or cast in ductile steel. At TaeguTec, we offer a wealth of solutions specifically designed towards machining the high tolerances and complexities of the different materials used in this vital part of the engine in order to fabricate the highly efficient crankshafts that are needed in today's complex automobiles.

CONNECTING ROD

The connecting rod or con-rod connects the piston to the crankshaft. Connecting rods are generally made of steel for production engines, but can also be made of aluminum or titanium for high-performance engines in which TaeguTec offers a series of technologically advanced cutting tools that increase productivity, minimize inventory and reduce costs.

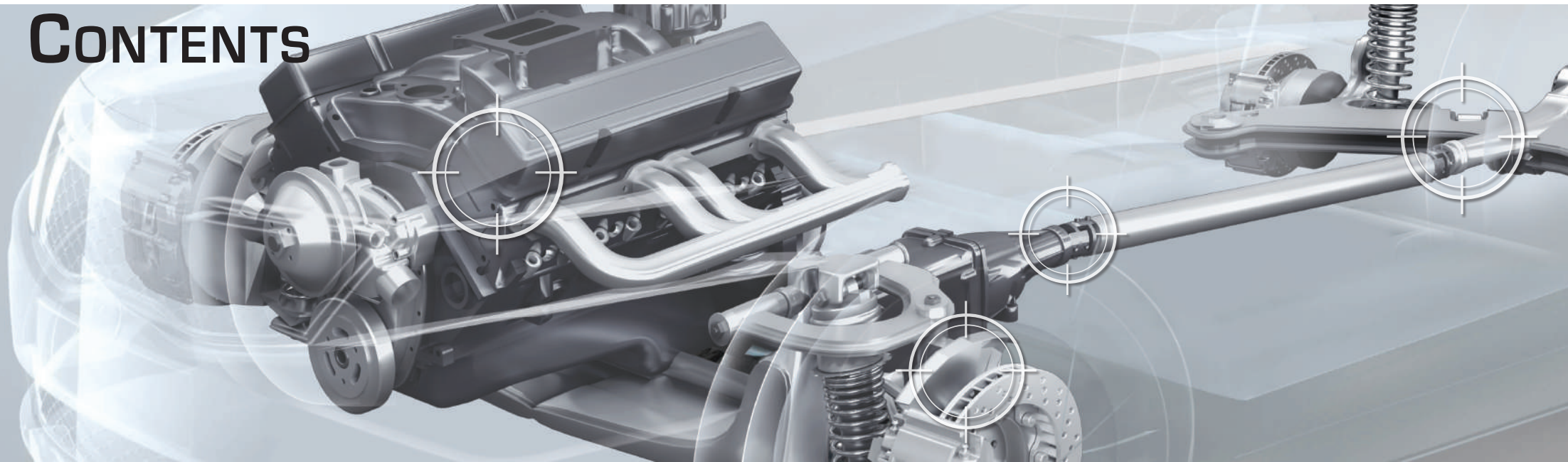


CAMSHAFT












The camshaft is a component that operates the poppet valves. It consists of a cylindrical rod running the length of the cylinder bank with several oblong lobes or cams protruding from it, one for each valve. TaeguTec's line of cutting tools enable automotive manufacturers to achieve productivity gains and cost reductions with various tools such as the Cam Lobe Mill and T-Clamp.

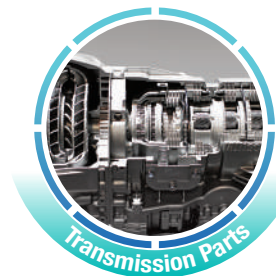


CONTENTS



Engine Parts

- | | | | |
|---|---|---|---|
|  |  |  |  |
| Cylinder Block | Bearing Cap | Bedplate | Cylinder Head |
|  |  |  |  |
| Crankshaft | Camshaft | Connecting Rod | Piston |
|  |  |  | |
| Turbine Housing | Pulley | Flywheel | |











Transmission Parts

- | | | | |
|---|---|---|---|
|  |  |  |  |
| Transmission Case | Clutch Housing | Clutch Gear | Input and Output Shaft |



Steering and Brake Parts

- | | | | |
|---|---|---|---|
|  |  |  |  |
| Knuckle and Carrier | CV Joint | Hub and Outer Ring | Yoke |
|  |  |  |  |
| Differential Case | Brake Disc and Drum | Caliper | Aluminum Wheel |



Cylinder Block Top

Cast Iron / CGI / Aluminum



01 Face Milling



02 Cylinder Bore Boring



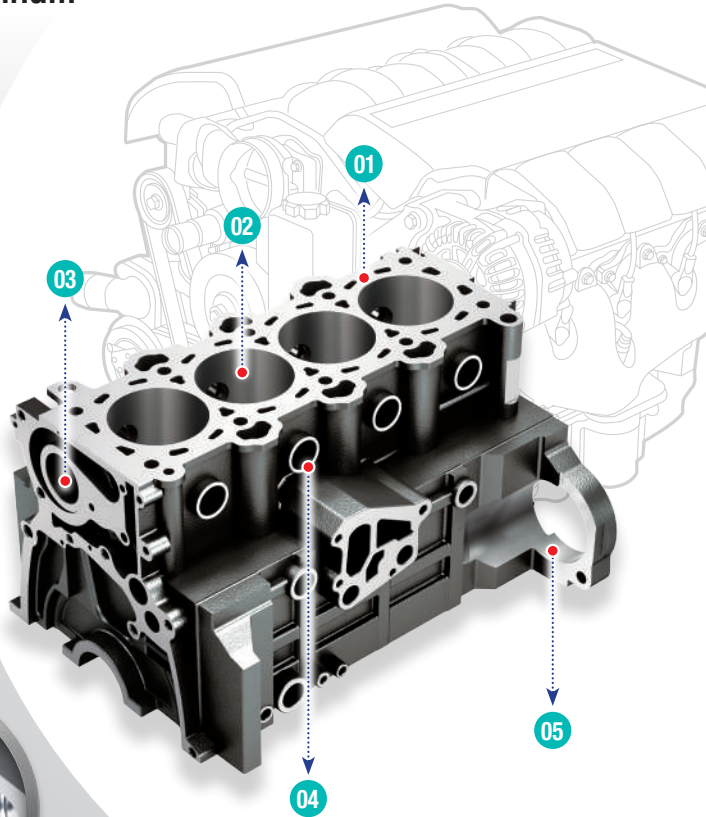
03 Water Pump Bore Boring



04 Boss Milling



05 Starter Mounting Back Face Milling



Cylinder Block

Face Milling

01

CHASE²MILL

CHASE²HEPTA

CHASE²QUAD

CHASE⁴FINISH

For roughing

For finishing



Adjustable type

Non-adjustable type



HXHU



XNHU



SNECX



4WHU

Cylinder Bore Boring

02

CHASE²QUAD



For roughing



For finishing



SNGX



Special

CBN

Water Pump Bore Boring

03



For roughing



SPMG

Boss Milling

04

TANG^SSPEED

CHASE³MILL



LPKU



SQKU

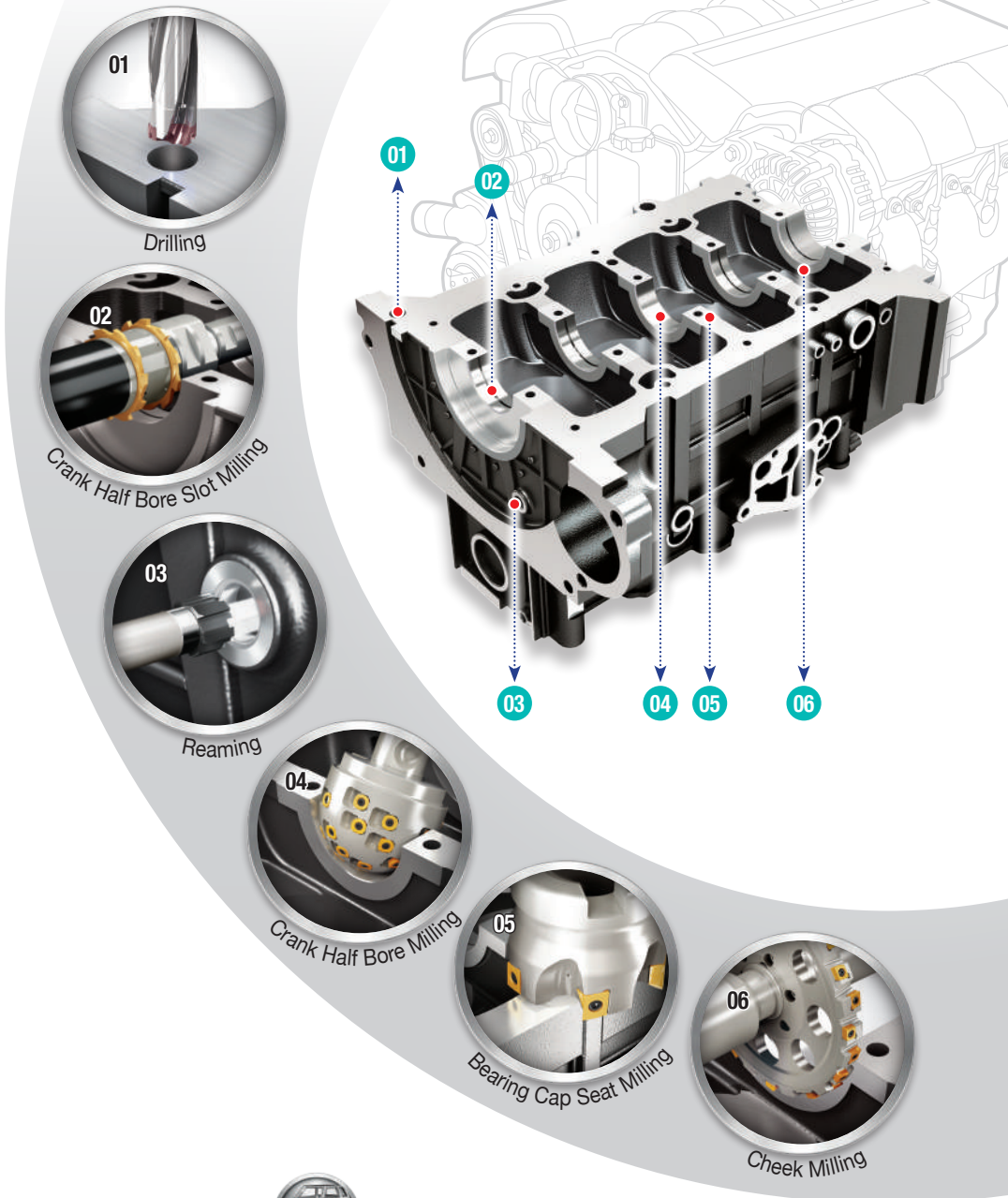
Starter Mounting Back Face Milling

05



Cylinder Block Bottom

Cast Iron / CGI / Aluminum



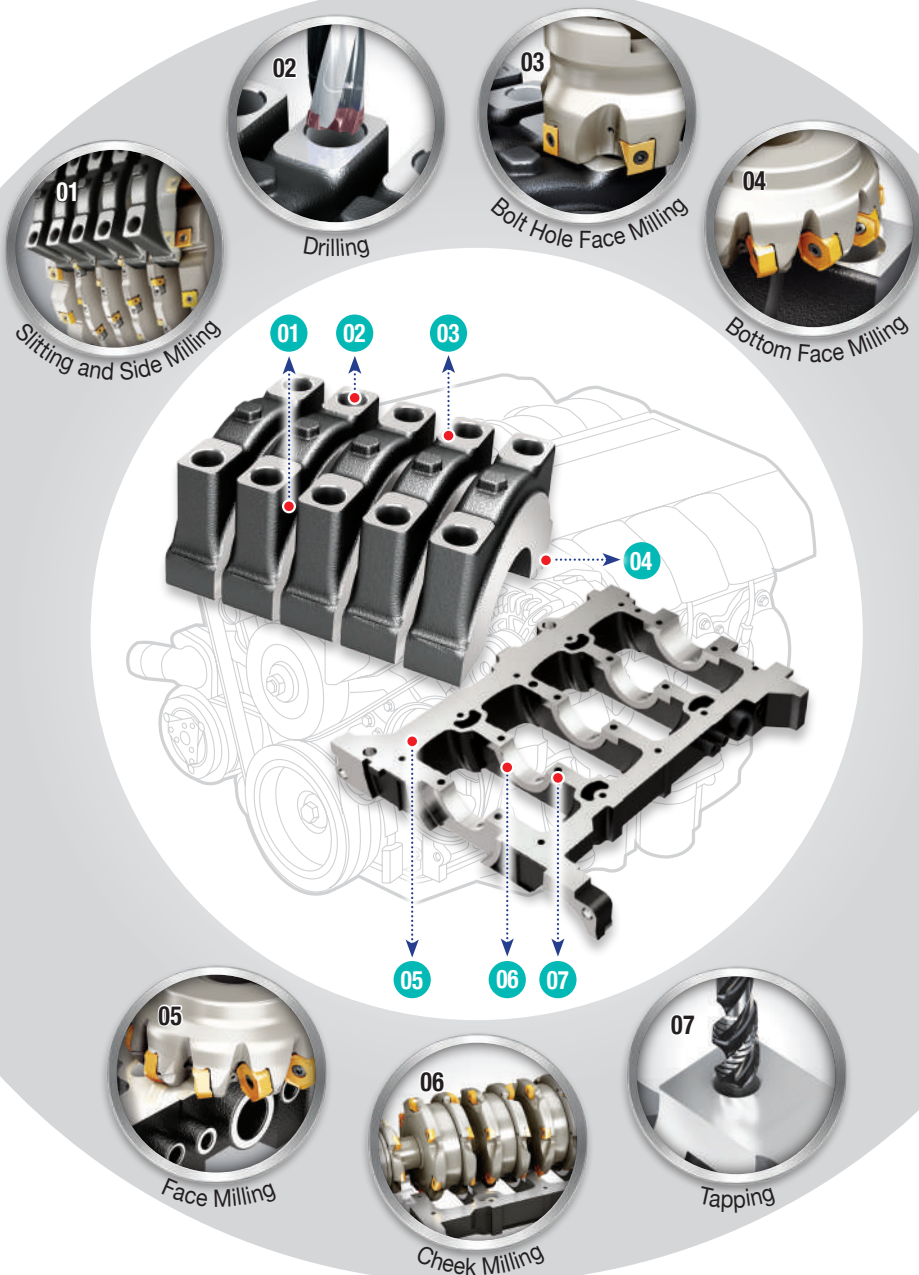
Engine Parts

<p>Cylinder Block</p> <p>Drilling 01</p> <p>DRILLSPEED DRILLRUSH SOLID3DRILL</p> <p>3ED-P+ TCD</p>	<p>Crank Half Bore Slot Milling 02</p> <p>Special Slotting Tool</p> <p>TIMC</p>
<p>Reaming and Tapping 03</p> <p>TM TM-REAM T-TAP</p>	<p>Crank Half Bore Milling 04</p> <p>XCET</p>
<p>Bearing Cap Seat Milling 05</p> <p>TANGSPEED Broach Cutter</p> <p>High productivity</p> <p>LPKU</p>	<p>Cheek Milling 06</p> <p>Special Gang Cutter</p> <p>Special Cutter and Arbor</p>



Bearing Cap and Bedplate

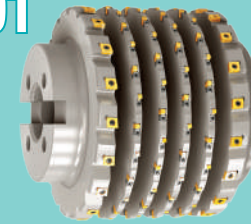
Aluminum / Cast Iron



Bearing Cap and Bedplate

Slitting and Side Milling

01



QNHF

Drilling

02



3ED-P+



LCD



DRILLRUSH

DRILLSPEED

SPADERUSH

Bolt Hole Face Milling

03

TANGSPEED

CHASE8MILL



LPKU



SQKU

Bottom Face Milling

04

CHASE2HEPTA

CHASE2MILL



XNHU



HXHU

Face Milling

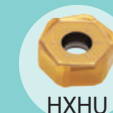
05

CHASE2MILL

CHASE2HEPTA

CHASE2QUAD

CHASE4FINISH



HXHU



XNHU



SNEX



4WHU

For roughing

For finishing

All adjustable type

Non-adjustable type

Cheek Milling

06



Special Gang Cutter

Tapping

07

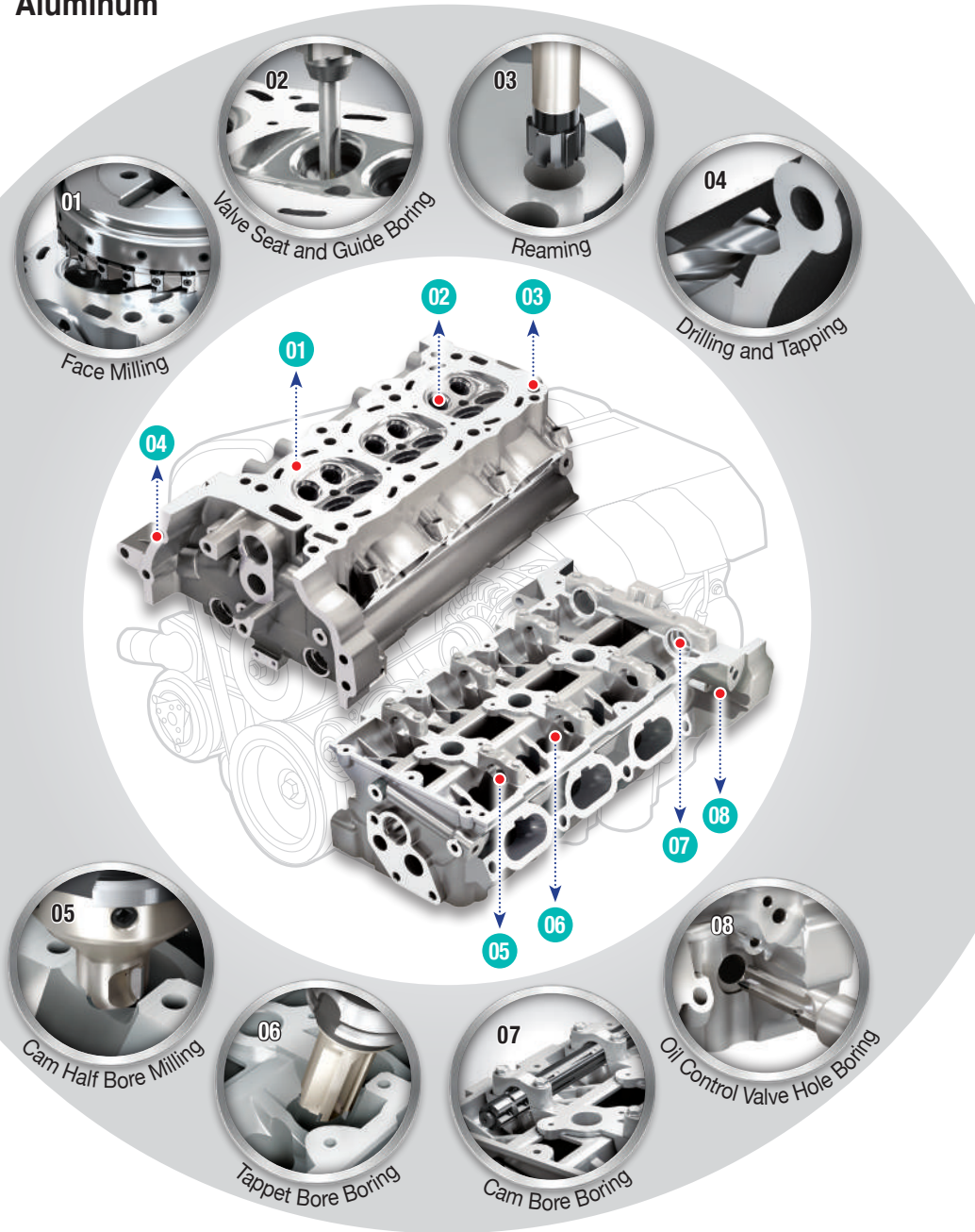


T-TAP



Cylinder Head

Aluminum



Engine Parts

Cylinder Head

Face Milling

01

For roughing

MILLRUSH



3PHT

CHASE4FINISH



4WHU

For finishing

OTTO MILL



TCT08

Valve Seat and Guide Boring

02



Before press in



After press in

Reaming

03

TM-REAM

TB-REAM



TM

High productivity



TB

High accuracy

Drilling and Tapping

04

HDRILL T-TAP



Cam Half Bore Milling

05



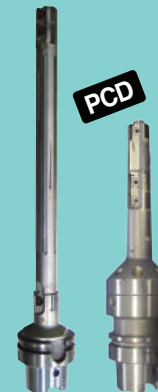
Tappet Bore Boring

06



Cam Bore Boring

07



High accuracy

Oil Control Valve Hole Boring

08



Crankshaft

Alloy Steel / Cast Iron



Engine Parts

Crankshaft

Face Milling
01



Tapping
03



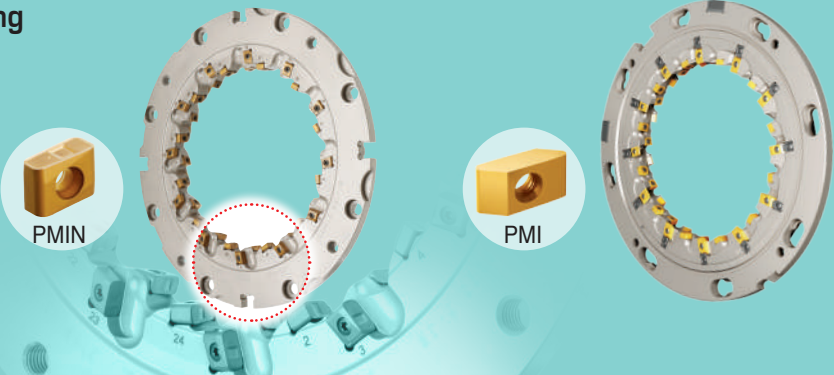
Oil Hole Drilling
04



Drilling and Reaming
02



Pin and Main Journal Milling
05



Turn-turn Broaching
06

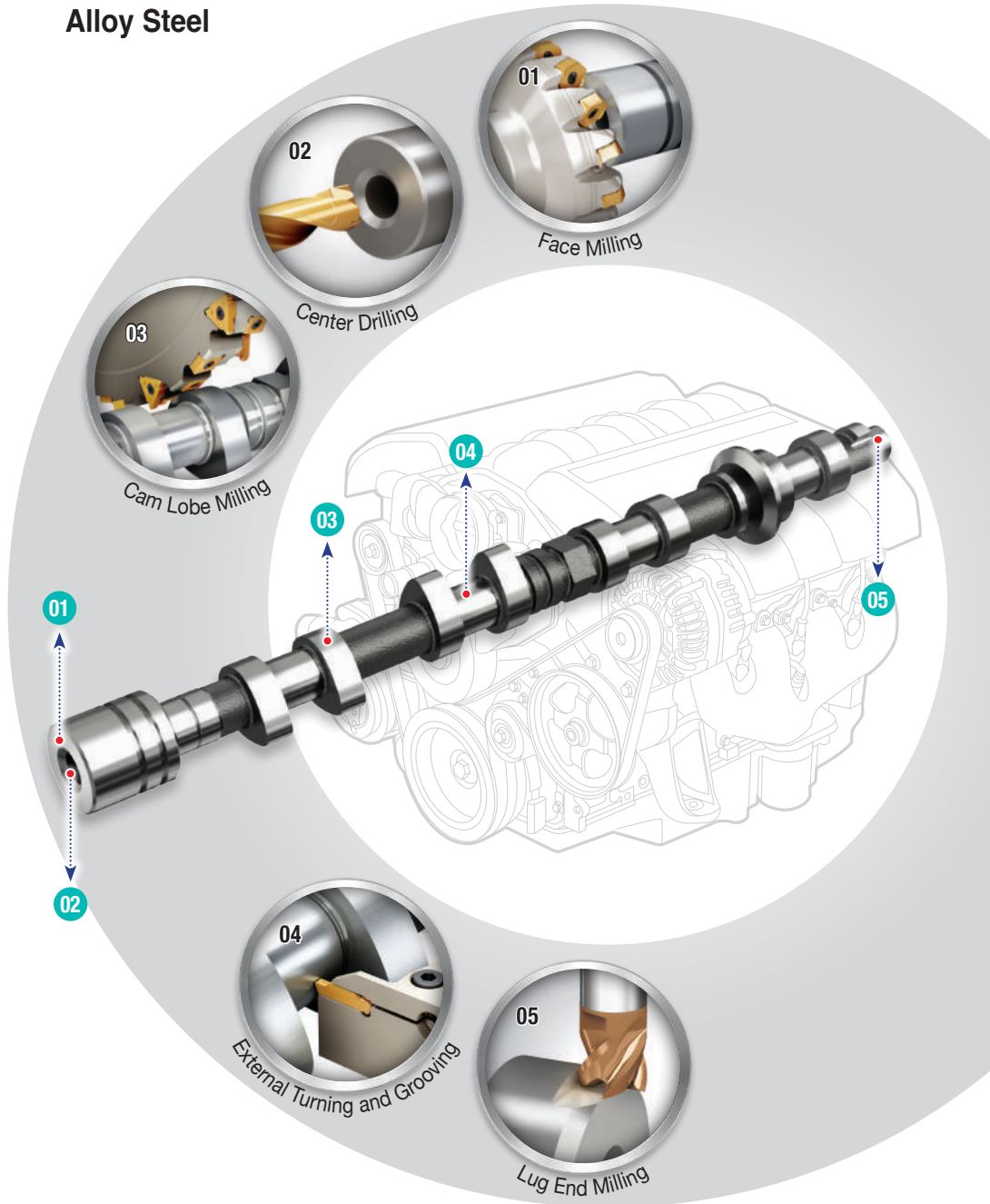


External Slotting
07



Camshaft

Alloy Steel



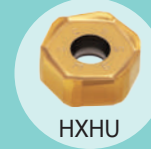
Engine Parts

Camshaft

Face Milling

01

CHASE 2 MILL



HXHU

Center Drilling

02

DRILLRUSH HDRILL



TCD

Cam Lobe Milling

03



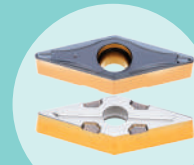
Cam Milling + Grooving

External Turning and Grooving

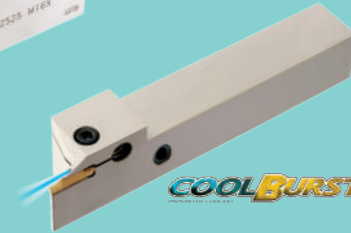
04



MULTITURN



VBMX



COOLBURST

T-CLAMP



TDCT



TDT-RS

Lug End Milling

05



MAXIRUSH

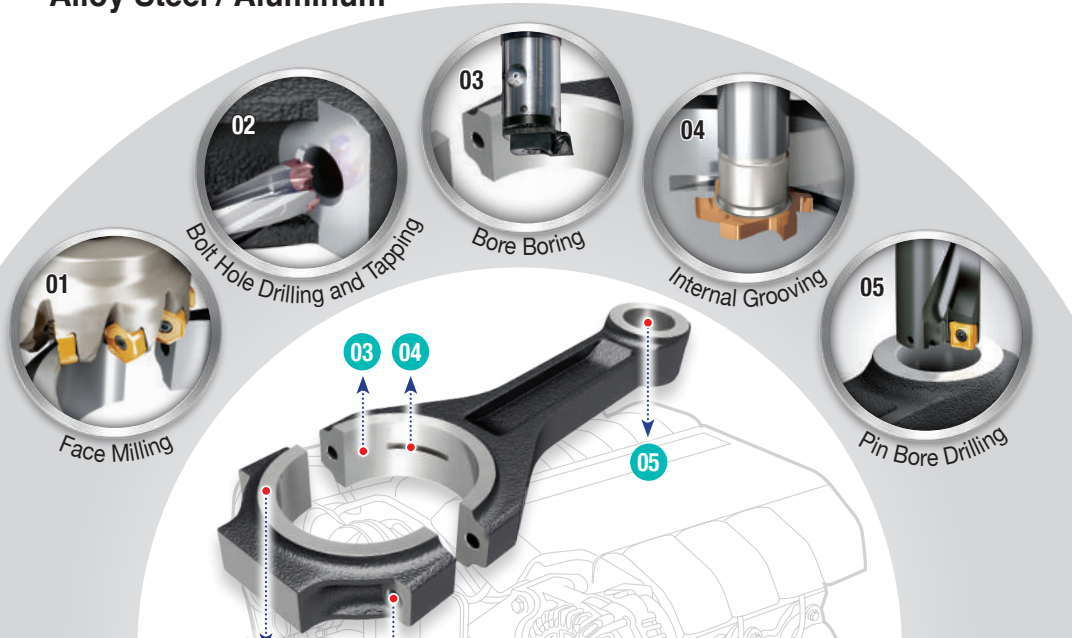


MXEE



Connecting Rod

Alloy Steel / Aluminum



Piston

Alloy Steel / Aluminum



Connecting Rod

Face Milling

01



Bolt Hole Drilling and Tapping

02



Bore Boring

03



Special Boring Tool

Internal Grooving

04



Pin Bore Drilling

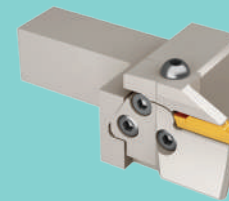
05



Piston

Face Grooving

01



T-CLAMP



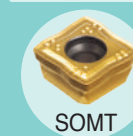
TDCT

Center Drilling

02



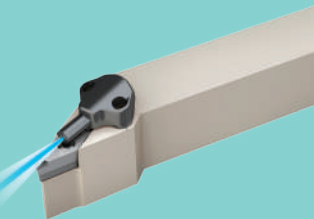
TOPDRILL



SOMT

Turning

03



T-TURN



PCD

VBGW



Turbine Housing

Stainless Steel Alloys



Turbine Housing

Drilling

01

HDRILL **DRILLRUSH**



01
Drilling

Face Milling

02

CHASE2HEPTA



Bottom Face Milling

03



Special Machining

04



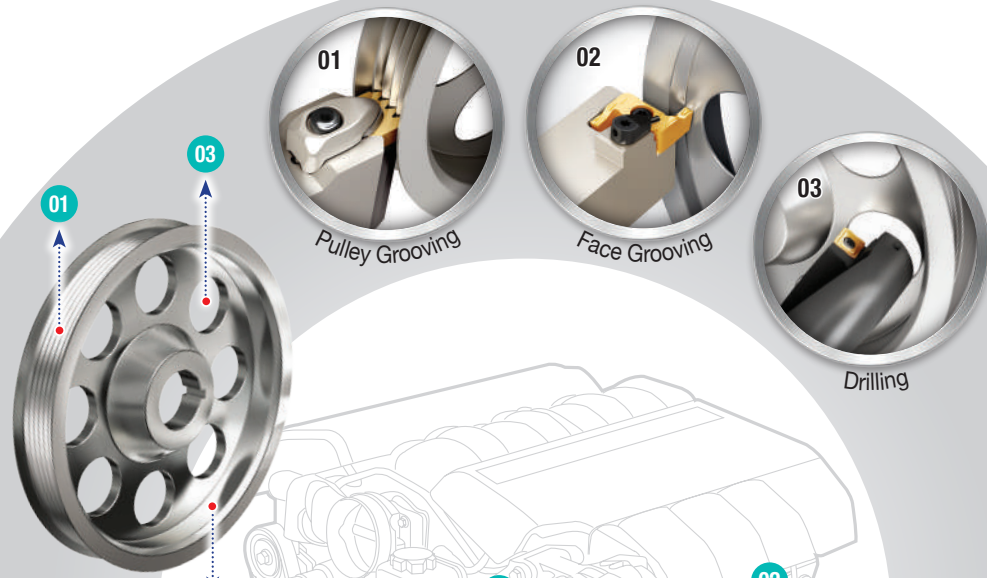
V-Band Machining

05



Pulley

Cast Iron / Carbon Steel



01 Pulley Grooving



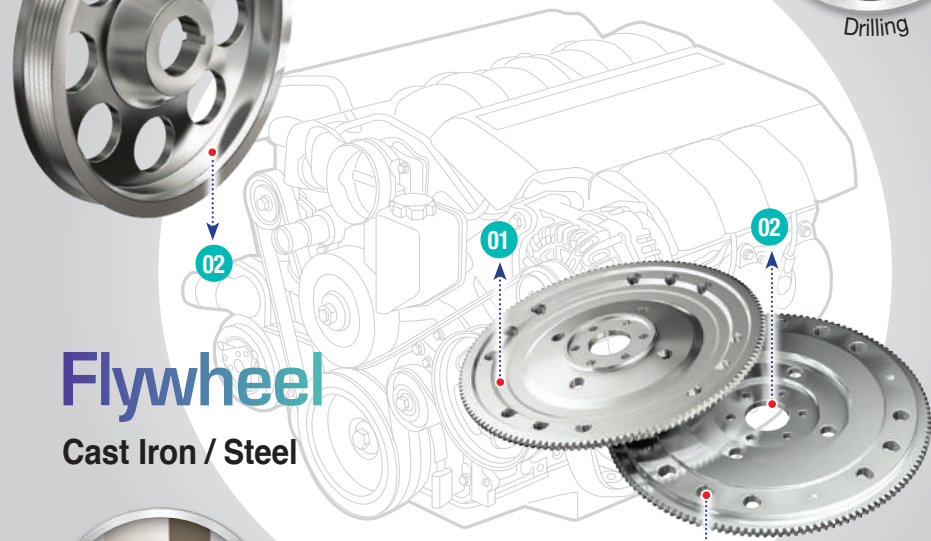
02 Face Grooving



03 Drilling

Flywheel

Cast Iron / Steel



01 Face Turning



02 Internal Turning



03 Drilling



Engine Parts

Pulley

Pulley Grooving

01



QUADRUSH



TQS



ZT

Face Grooving

02

COOLBURST



FACE RUSH



TDFX

Drilling

03



TOPDRILL



SOMT

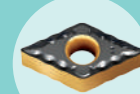
Flywheel

Face Turning

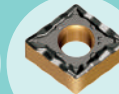
01

COOLBURST

RHINOTURN



DNMG



CNMG



Drilling

03



SOLID3DRILL



DRILLRUSH

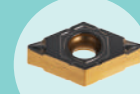


TCD

Internal Turning

02

RHINO MTURN



DNMX



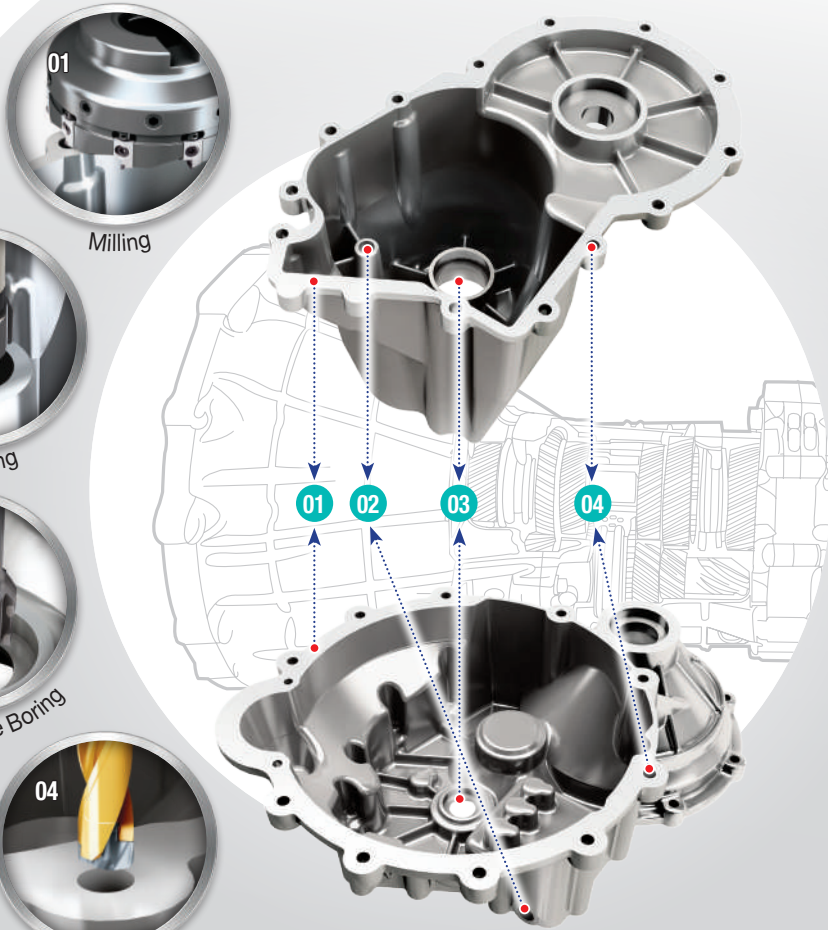
3ED-P+



DRILLSPEED

Transmission Case and Clutch Housing

Aluminum



Milling



Reaming



Bearing Bore Boring



Drilling and Tapping

Transmission Parts

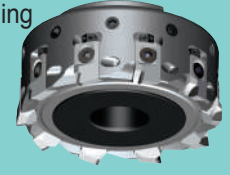
Transmission Case and Clutch Housing

Milling 01

MILLRUSH

CHASE4FINISH

OTTO MILL



For finishing



3PHT



4WHU



TCT08

Reaming 02



XM-REAM



XR-AS



TM-REAM



TM

Bearing Bore Boring 03



For roughing



For finishing



Drilling and Tapping 04



H-DRILL



DRILLRUSH



TCD-N

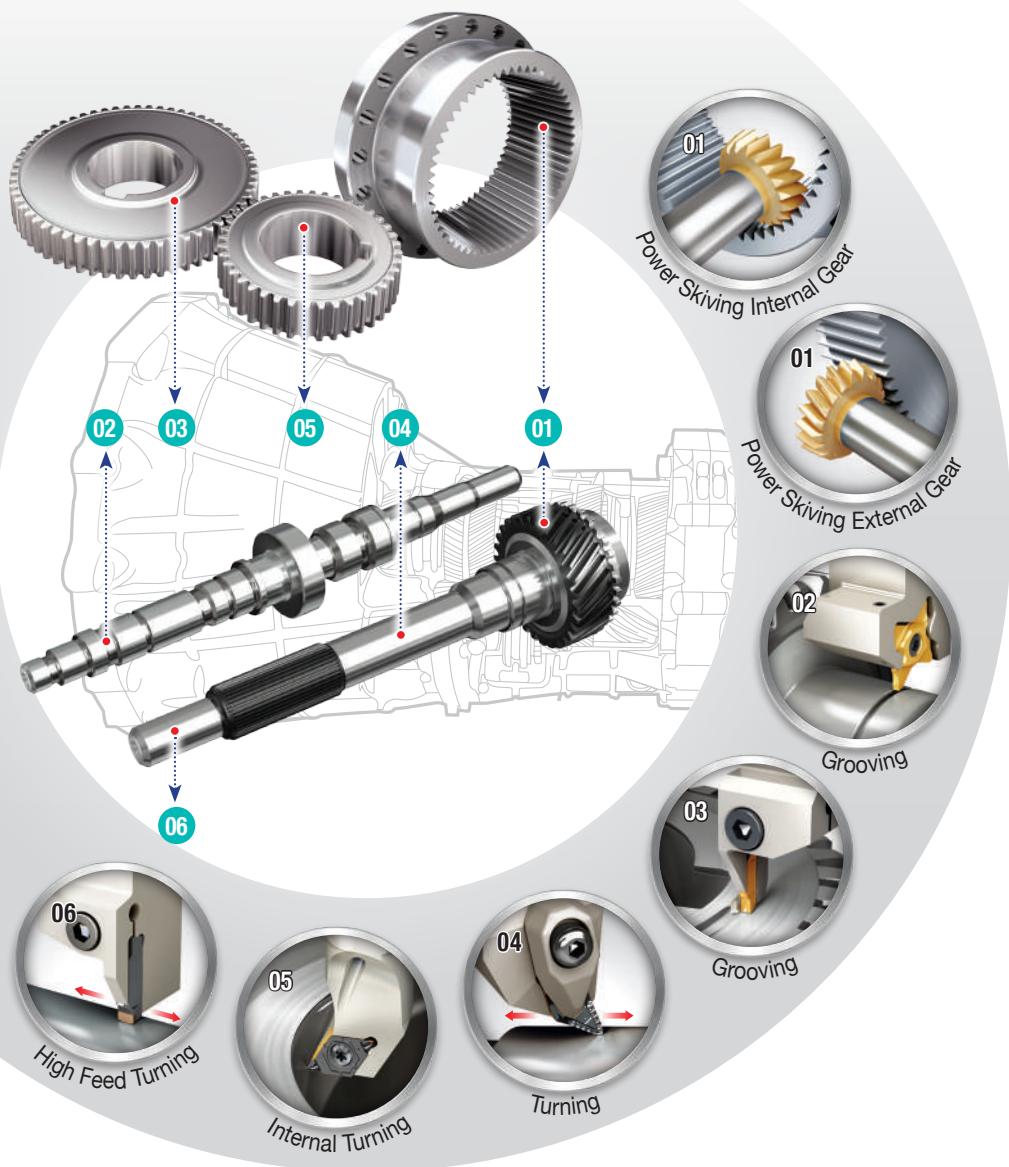


T-TAP



Clutch Gear and Input, Output Shaft

Powder Metal / Carbon Steel / Alloy Steel



Transmission Parts

Clutch Gear and Input, Output Shaft

Power Skiving 01

MAXIRUSH

High productivity gear machining

TGK TGSB TGI

Grooving 02

COOLBURST

QUADRUSH

TQC 27 TQC 34

03

COOLBURST

T-CLAMP

TDXU

Turning 04

WINTURN **POSTURN** **RHINOTURN** **T-TURN**

TNMV ZNMV WNMV CNGA CNGN

High feed turning

Internal Turning 05

RHINOTURN

DNMX

High Feed Turning 06

T-CLAMP

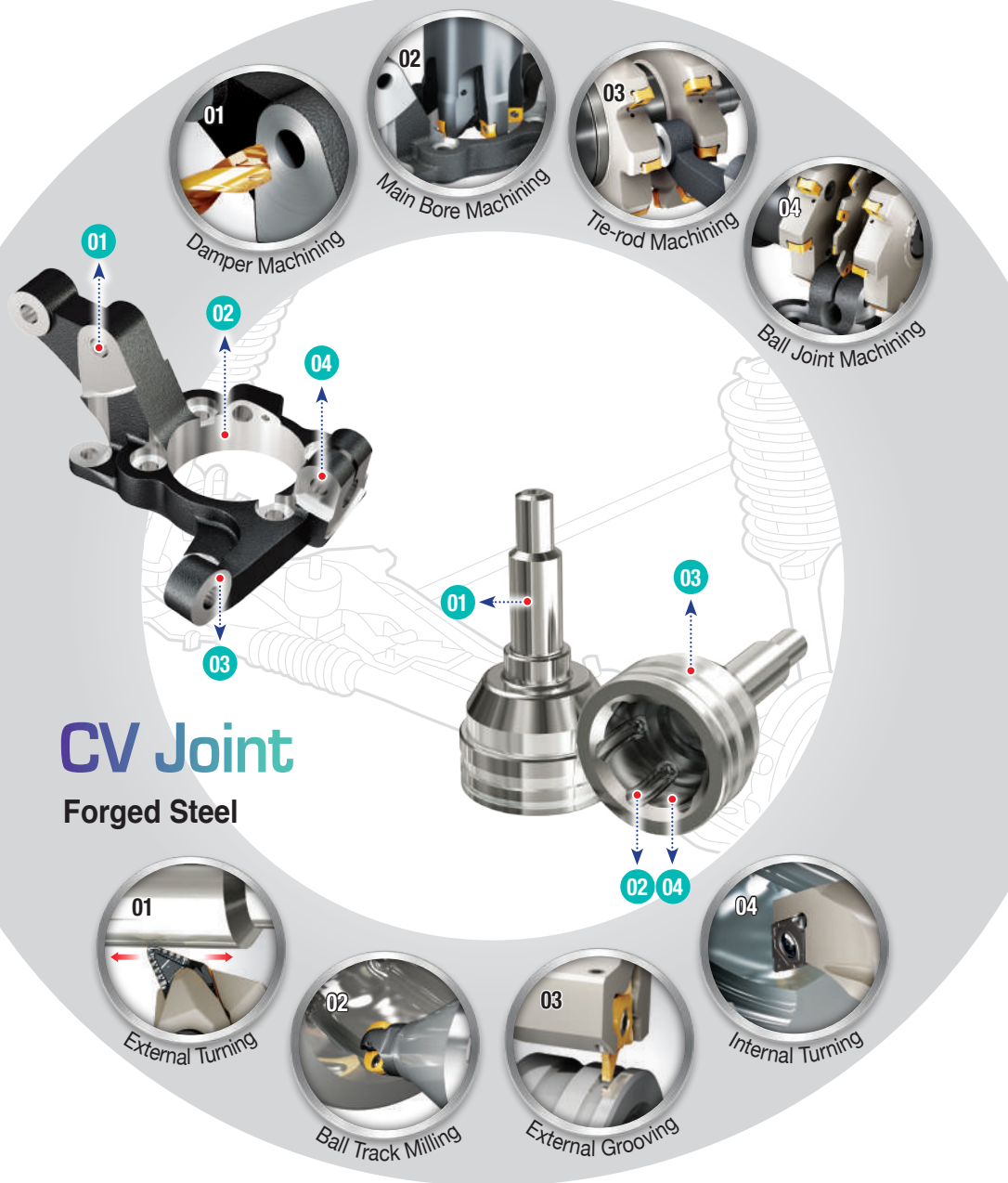
TSG-HF CBN

For finishing



Knuckle and Carrier

Cast Iron / Aluminum



CV Joint

Forged Steel

Steering and Brake Parts

Knuckle and Carrier

Damper Machining

01



Main Bore Machining

02



Tie-rod Machining

03



Ball Joint Machining

04



CV Joint

External Turning

01



TNMV



ZNMV

High feed turning

Ball Track Milling

02



3FB

2EB

External Grooving

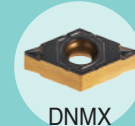
03



TQC

Internal Turning

04

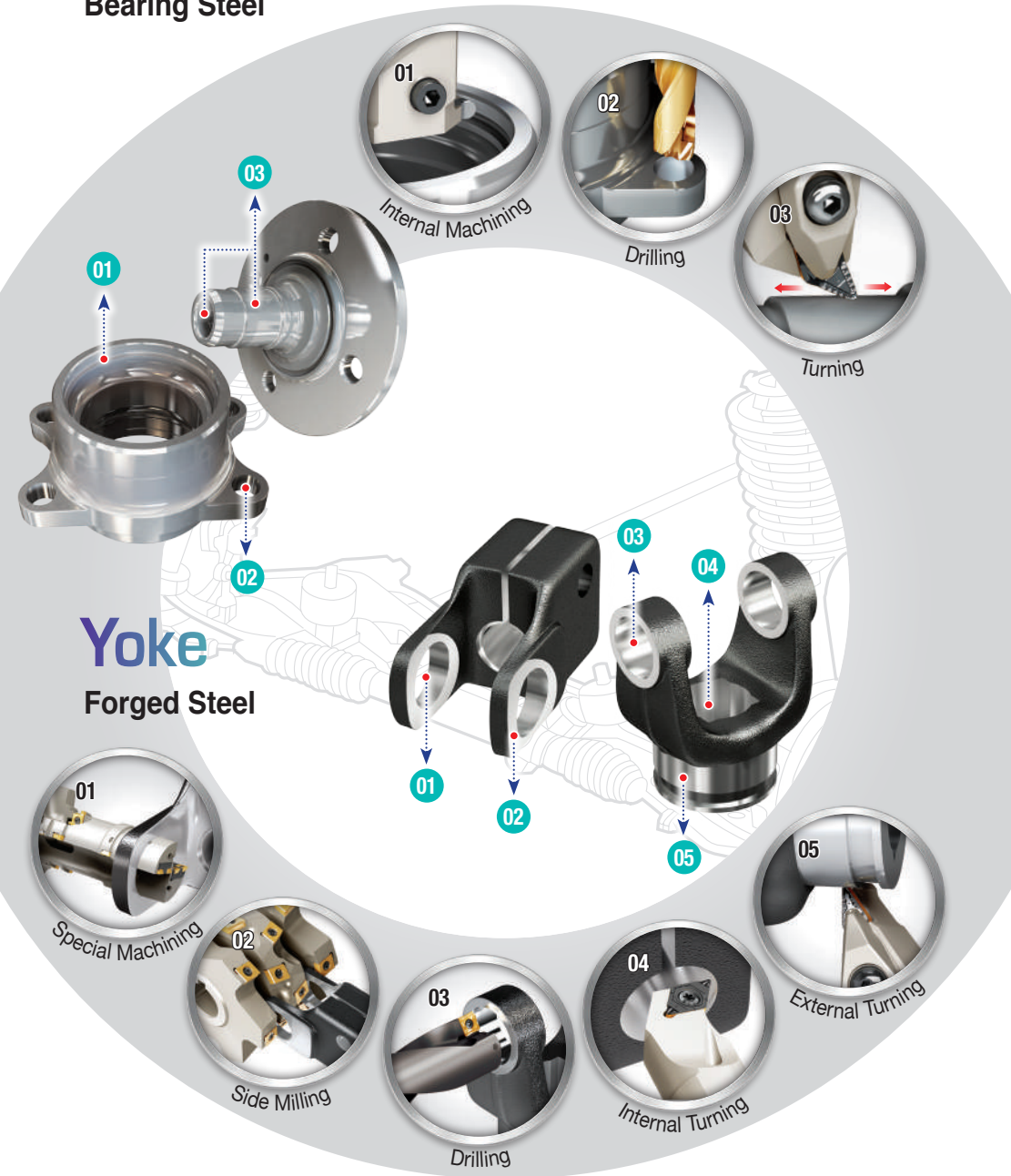


DNMX



Hub and Outer Ring

Bearing Steel



Steering and Brake Parts

Hub and Outer Ring	Internal Machining 01 	Drilling 02 	
	Turning 03 <p>High feed turning</p>		
Yoke	Special Machining 01 <p>(Drill + Chamfer + Groove)</p>	Side Milling 02 	Drilling 03
	Internal Turning 04 	External Turning 05 	



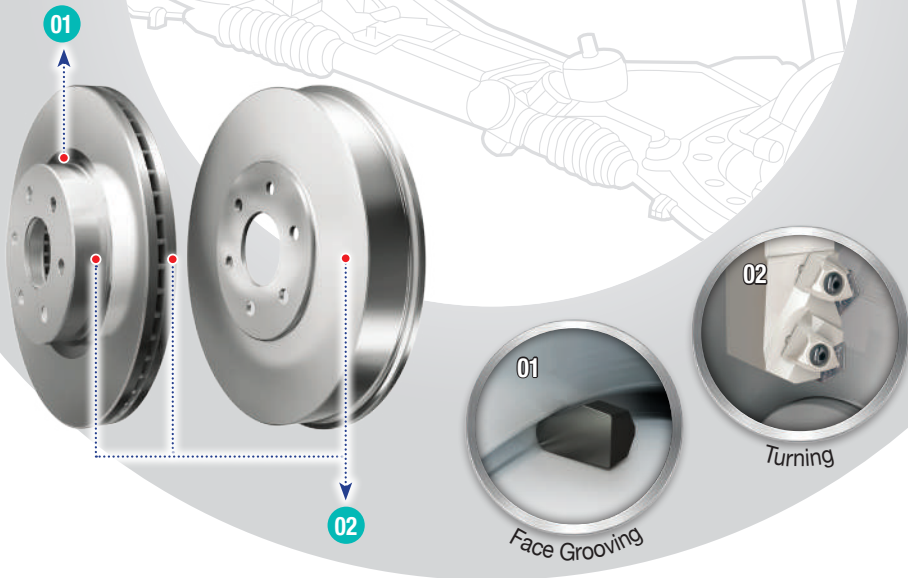
Differential Case

Cast Iron



Brake Disc and Drum

Cast Iron



Steering and Brake Parts

Differential Case

Power Skiving

01



MAXIRUSH



TGK

High productivity gear machining

External Turning

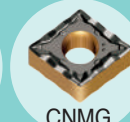
02

COOLBURST

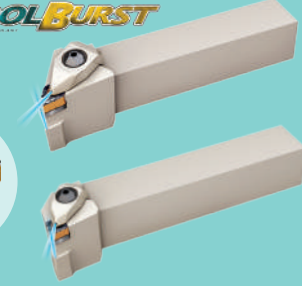
RHINOTURN



DNMG



CNMG



Internal Machining

03

QUADRUSH

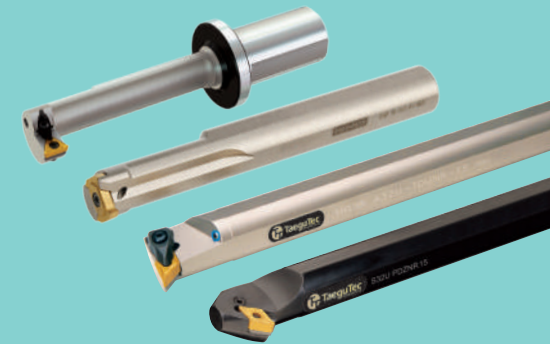
RHINOTURN



TQIS



DNMG



Brake Disc and Drum

Face Grooving

01

T-CLAMP



TDT-RU



Turning

02



HNMG



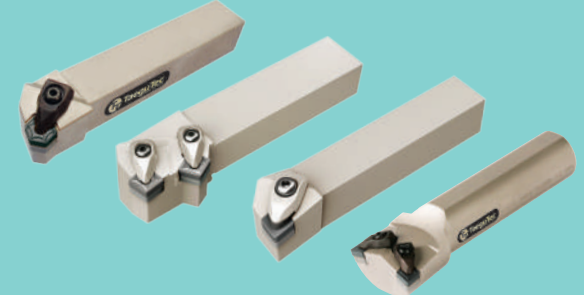
CNGN



CNGX

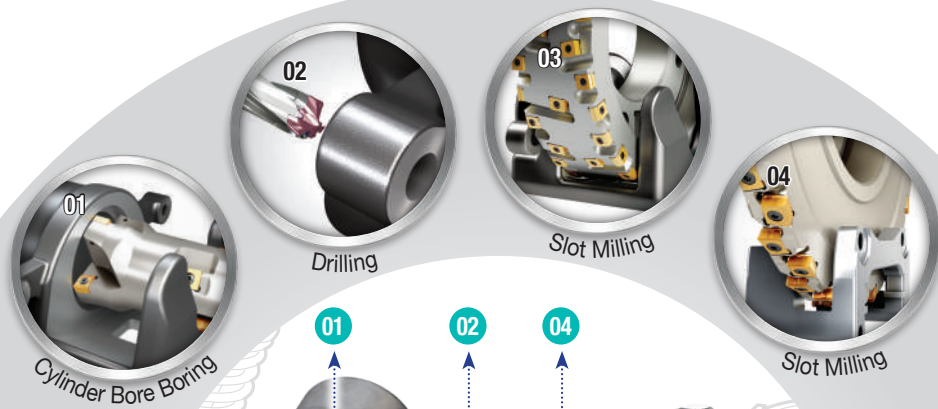


DNGX



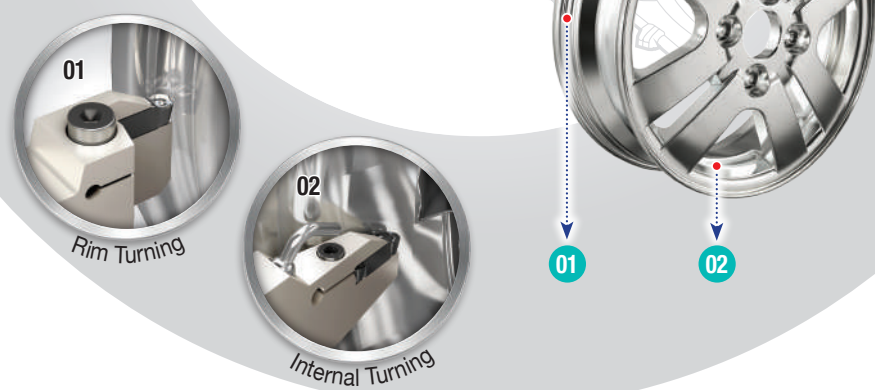
Caliper

Cast Iron / Aluminum



Aluminum Wheel

Aluminum



Steering and Brake Parts

Caliper

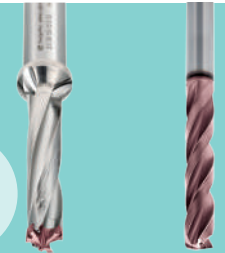
Cylinder Bore Boring

01



Drilling

02

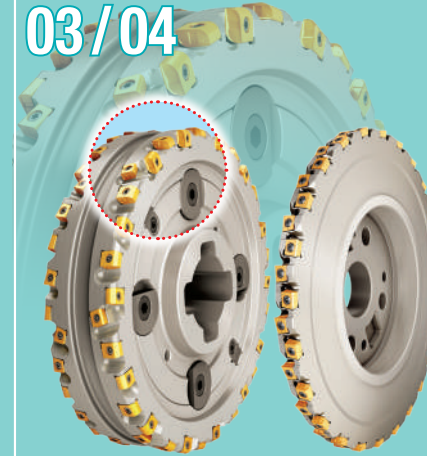


3ED-P+

SOLID3DRILL

Slot Milling

03/04

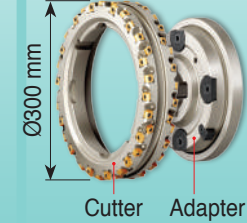


Quick Change System

Lighter
Less than half the weight

Quicker
Simple & user-friendly clamping system

Safer
Lighter cutter protects users



Aluminum Wheel

Rim Turning

01

COOLBURST



T-CLAMP

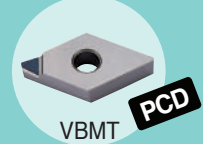


External and Internal Turning

02



PCD



PCD





Tool CutZZ

Your Knowledge Machining Link!



Scan me!



ANDROID APP ON
Google play

Scan me!



Download on the
App Store