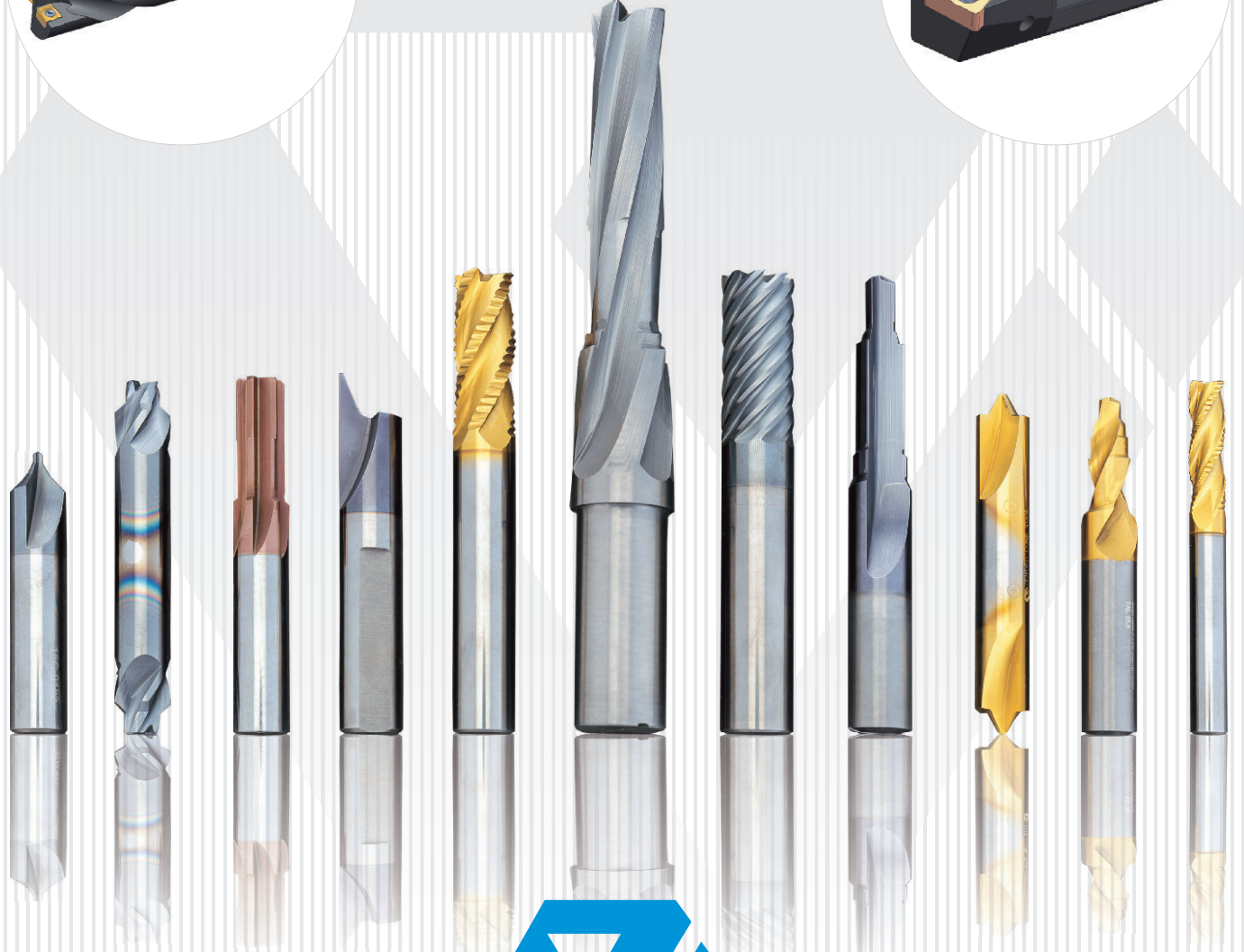
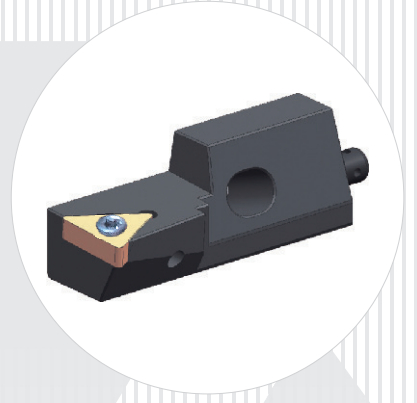
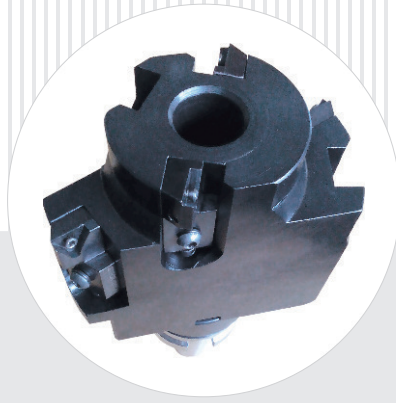


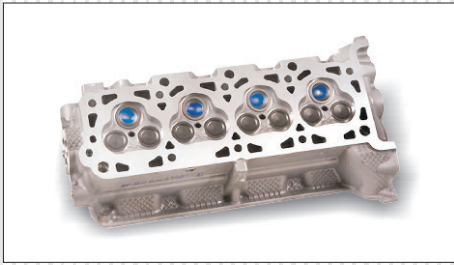
➤ Quality ➤ Speed ➤ Confidence



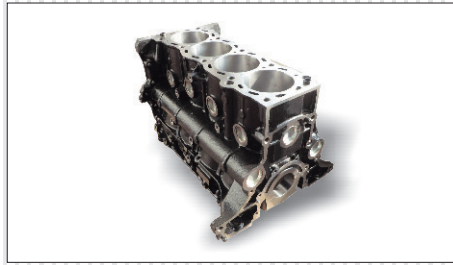
# VP INDUSTRIES

Complete Holemaking Solution for Automotive & Engineering Industry

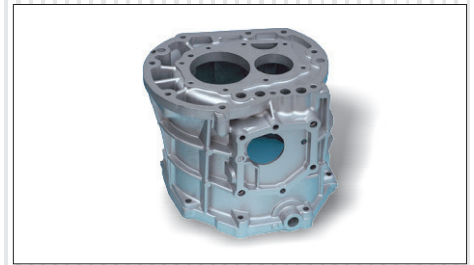
# Complete Holemaking Solution for Automotive & Engineering Industry



Cylinder Head

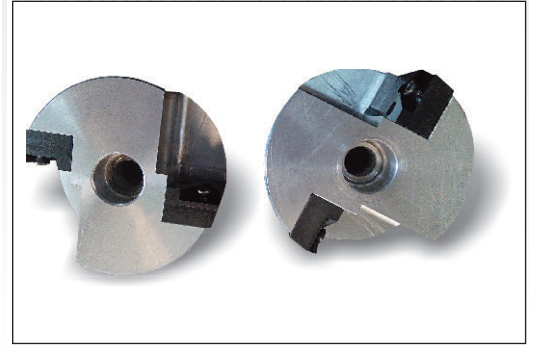
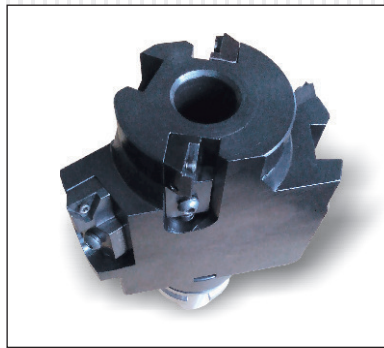
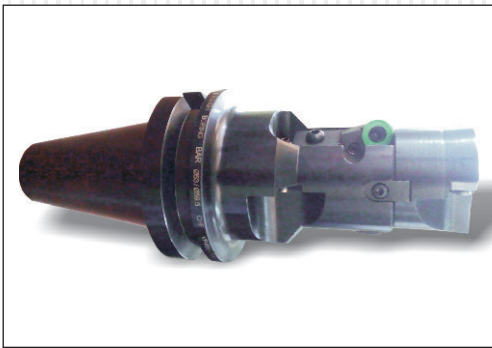


Cylinder Block

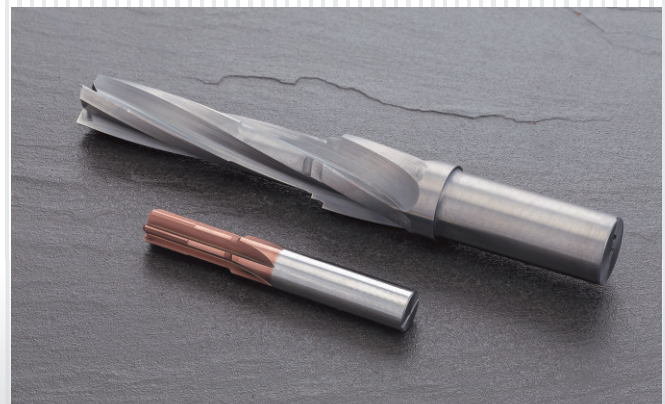
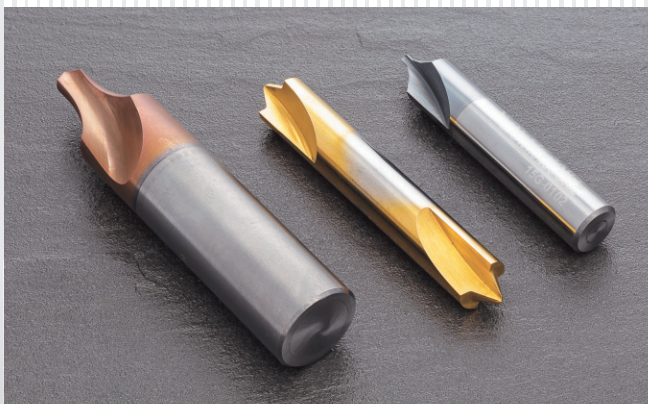


Gear Box

## Indexable Tools



## Solid Carbide Drills, Endmills, Reamers & Profile Tools





## COMPANY PROFILE

V. P. Industries founded in Aug. 2009, is today one of the leading Manufacturing Company of a Solid Carbide Tools & expanding its base to all India level.

Our mission is to provide measurable cost savings for our customers.

V. P. Industries is an ISO 9001 : 2008 company having received the scope as "Design, Manufacture & Re-conditioning of Solid Carbide Tools for Engineering & Automotive Industries".

### Carbide Tools - Manufacturing Services :

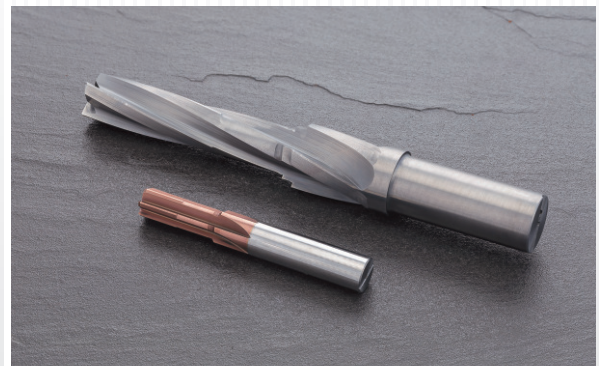
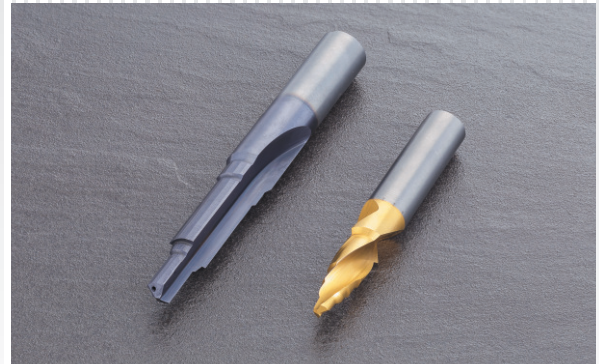
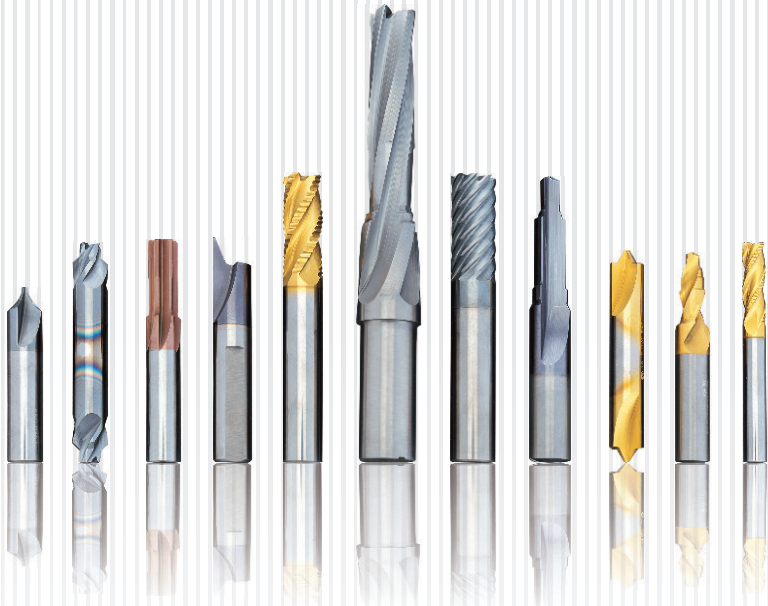
- To ensure that customers receives maximum tool life benefits from original grinding, we utilizes high precision modern 5 Axis CNC grinding machines from ANCA Pvt. Ltd. & Walter, Germany.
- We have patented license copies for point geometries which helps us to prove wide range of applications.
- We utilizes ultra fine grain carbide rods from pioneer brand, which is absolutely competitive in terms of cutting parameters & tool life.

### Carbide Tools -Reconditioning Services :

- You can simply send us your worn tools and our reconditioning facility will deliver a tool back to you as good as the original.
- Higher precision reconditioning delivers longer reground tool life and offer more regrind per tool resulting in significant cost saving.
- The service is fast, convenient & cost-effective.

### Indexable Toolings :

- Combination Boring Bar - Integral / Side Lock Adaptation Type Cartridge type OR fix pocket
- Finish Boring Bar
- U Drills
- Milling Cutters



## SOLID CARBIDE PRODUCT RANGE

### 1. Drills & Step Drills :

- One to Three (Multiple) Steps.
- Through Coolant Hole Drill
- Left Hand Helix Drill
- Center Drills Single End / Double End
- Extra Long Drills L/D upto 25
- Burnishing Drills with hole tolerance IT8,
- Three Fluted Thru / Non Thru Coolant Drills

### 2. Endmills :

- Flat / Ball Nose / Corner Radius Endmill
- Step Endmill with Multiple steps
- Hole mills - RH & LH Helix

### 3. Reamers :

- Face Cutting / Chamfer Cutting Reamers
- Combination Reamers

### 4. Profile Tools :

- Different combinations of Radius, Double Chamfers, Port cutter with two chamfers, Radius etc.

### 5. Brazed & Lugged Carbide Tools :

- As per customer specification & with Cylindrical Shank.

## State of Art Facility - Solid Carbide Tools



### Complete Tool Manufacturing & Reconditioning on 5 Axis CNC Tool & Cutter Grinder (ANCA & WALTER)

- 5 Axis CNC Tool & Cutter Grinders to meet the demands of the industry in terms of quality, accuracy & speed.
- Addition of Helitronic Power Machine from "Walter" to our fleet helps us to set ourselves "Up" in the business of tool manufacturing.
- Software options of ANCA & WALTER enables us to provide you optimal drill point geometry, special profile & Combination tools.
- And all this with Precision in terms of accuracy & Surface Finish



### Zoller Genius 3

- Zoller Genius provides us the extra edge to inspect every parameter on cutting edge almost 120 useful parameters can be inspected.
- Key points like core diameter, hook angle are the major players in tool performances are measured with Genius.
- It also helps us for reverse engineering.

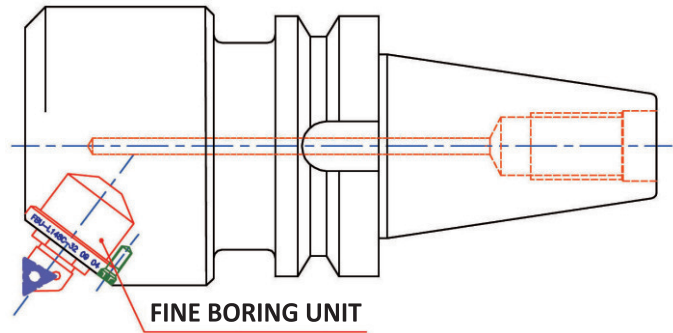
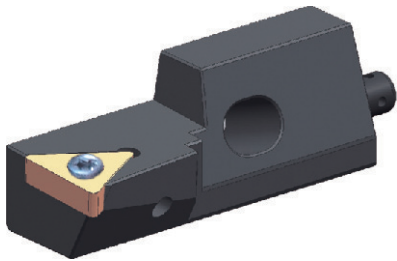


### Hi-resolution Video Image Magnification & Precision Inspection

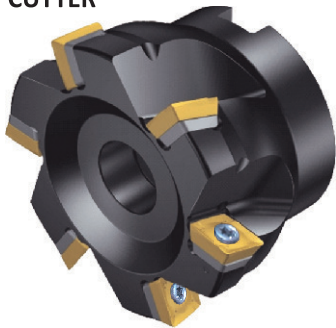
- Every tool is checked real time during the process as well as after completion.
- This is accomplished by the use of high-resolution optics built in our PC based inspection machine.
- All the important geometry points are easy to check & can be record as a library.



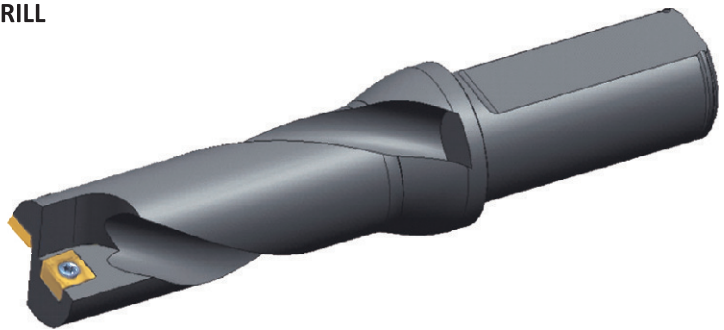
**CARTRIDGE**



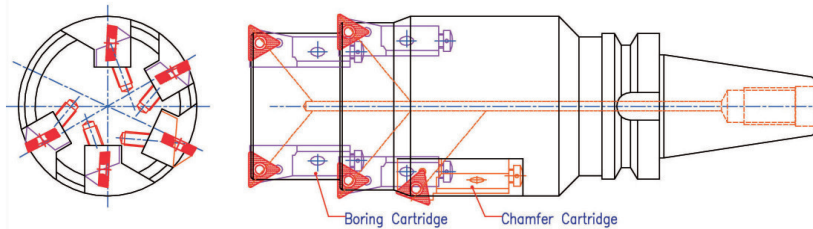
**MILLING CUTTER**



**U-DRILL**



**COMBINATION ROUGH BORING BAR**





## INDEXABLE TOOLS - Points of Difference

### DESIGN :

- We use Siemens UG-NX for design of Boring Bar.  
This helps in accurate design by analyzing machining performance, calculating tool weight, feasibility.
- Max. no of permissible combination in design can be offered to customers which are feasible too.

### PRODUCTION :

- We have Hitek CNC shop which includes VMC from Hwacheon Korea with NC table from Nikken.
- VMC has a die-mould features which helps in giving highest finish value in pocket milling with accuracy of seats.
- 4th & 5th axis provides flexibility of compound angle machining with excellent indexing accuracy, control runout.

### QUALITY :

- All tools are measured with Zoller Smart check machine in process and also at final stage.
- Final inspection includes setting as per Tool Drawing with Diameter & length. Pre- Inspection includes the checking of steel for hardness, scales before processing for blank.
- Also the boring bar, indexable tools will be provided with fine balancing.
- Most important that Insert screws are imported and not just a fastener.
- Inhouse Air Guages to measure taper shank in AT3 class tolerance.



# VP INDUSTRIES

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