



ACCUSHARP

Cutting Tools Pvt. Ltd.

PRIDE OF THE METAL CUTTING INDUSTRY SINCE 1999

CUT FAST, CUT COST



MANUFACTURERS OF ALL TYPE OF
CUTTING TOOLS



ABOUT US



Headquartered in Pune, Accusharp Cutting Tools Pvt Ltd, is an established name, in the metal industry with its humble beginnings in the year 1999. Our core proficiency is in design, manufacture and supply of special cutting, tools, in HSS and Tungsten Carbide, for Automobile, Engineering, Textile, Energy Sector, Machine tool Industries, etc. Our Business goal is to assist customers for their productivity improvement coupled with reduced tooling cost.

Our forte lies in the 3 Ps- i.e. Product, Process and People.

Products: Improved quality products that meet customers expectation

Processes: With modern equipment of high efficiency and keeping safety as an imperative point of traction.

People: with Competence and passion for the organisational objectives

A Professional team of competent application engineers, provide unmitigated solutions for metal cutting processes for customers.

SOLID CARBIDE STEP DRILL

FEATURES

- 2, 3 or 4 flute
- Helical or straight flute
- Single or multiple diameter
- Single or double margin
- Solid or coolant through

APPLICATION

- Specific point geometries
- Micro engineered edge prep
- Coated to maximize performance, the high efficiency in drilling
- Suitable for drilling tap holes with countersinks
- Automotive Industry
- Industrial Application



ACCUSHARP offers a complete range of high performance, general purpose, finishing, roughing, high-speed, micro, and material-specific S/C Step drill for high productivity and extended tool life.

HSN2 coating for higher life , SC drill that offers a one-pass solution in steels and irons in traditional tap sizes to reduce cycle time and increase productivity. Drilling and chamfering in one shot. The highly polished surface ensures superior chip evacuation even when low-pressure coolant is applied.

Drill or drill machining tools used for making round holes in solid material. Drilling tools are End cutting tools designed for producing holes in work piece..

SOLID CARBIDE TCH DOUBLE MARGINE LONG DRILLS

FEATURES

- Improved surface quality,
- Borehole cylindricity and straightness
- Recommended cutting data are same as for single margin solid carbide drill,
- HSN2 Coating for longer tool life

APPLICATION

- Best suited for steel machining
- ALUMINIUM machining
- Aerospace Industry



Design with wide chip pockets for excellent chip control and chip evacuation. The new HSN2 COATING exclusively for drills, enables stable and long tool life over a wide variety of work materials and applications. Provides stable drilling with no wobbling for small machines, better hole finish with double margin.

Two guiding areas on two cutting edges enable reliable high quality hole machining in relation to the cylindricity and straightness including close hole tolerance, premium surface roughness and production stability which provide By Accusharp.

Tips

- 1) Ensure surface is prepared/machined before drilling
- 2) Use the special ACCUSHARP Pilot drill for pre drilling
- 3) Check for wear on Pilot drill during operation, which can lead to premature failure of the tool
- 4) Ensure adequate coolant pressure and good filtration of coolant



MICRO DRILL

FEATURES

- Strong geometry
- Smooth flute form
- High Accuracy
- Reliable high quality hole

APPLICATION

- Automotive Industry
- Aerospace Industry
- Medical Equipment Industry
- It is used in small part of production in general engineering Industry



Accusharp micro twist drill bits are excellent for producing smooth, precision holes and drilling through all hard metals.

ACCUSHARP offers a family of small diameter carbide micro drill for precision drilling in medical, aerospace and the automotive industry.

The Exclusive Line of high precision carbide drills are available in solid and coolant fed carbide designs from 0.30 mm to 3.0 mm diameter.

CARBIDE CENTER DRILL

FEATURES

- Better Life & productivity
- HSN2 COATING for less wear
- Made from Micro-Fine Carbide Grade
- Carbide Center Drills comes with 118* Point angle

APPLICATION

- Automotive Industry.
- Aerospace Industry
- Spring Manufacturing Industry
- Other manufacturing Industry
- Bearing Industry, Furniture manufacturing.



ACCUSHARP make center drills are used in Automotive, Aerospace & other manufacturing industry

Center Drills are used for providing centering holes on shafts faces, so to hold them between centers for other CNC job work.

Carbide Center Drill bits are Good for large batch production. Carbide Center Drills comes with varied chamfer angles of 45° / 60° or as per customer request or drawings

SOLID CARBIDE TCH DOUBLE MARGIN DRILLS

FEATURES

- Accusharp Drills stays on center
- It is highly Water-Resistant helping to maintain hole size accuracy
- Cutting Edge and special flute geometry to promote smooth chip evacuation.
- Accusharp Drill powers the cutting resistance and power consumption chips are broken into a compact shape for excellent chip disability to prevent jamming
- Smooth curled chips are produced Good chip control is due to efficient chip breaking,



APPLICATION

- Used for all STEEL and CASTIRON and SS material.
- Aerospace Industry
- Energy Industry



Accusharp Solid Carbide TCH Double Margin Long Drills reduced 80% cycle time as compared to Conventional deep hole drilling.

Double margin drills have a second margin ground behind the main margin. The trailing margin burnishes the cavity, making a true hole and smoother finish while providing a more accurate, rounder drilled hole and frequently eliminating the need for reaming.

HSN2-based coating with high hot hardness allows 30% higher cutting speeds and constant tool life. Four-margin lands improve hole straightness and hole alignment when drilling through cross holes.

SOLID CARBIDE RATIO DRILLS

FEATURES

- strong break point geometry
- Smooth flute form
- High accuracy
- Reliable high quality hole
- Tolerance achieved within 7 micron
- Creates a true flat-bottom hole from O.D. to center

APPLICATION

- Machining of mining bits
- Heat-treatable steels



High ratio generally used for the machining of mining bits, ACCUSHARP provide the best solution for this.

The bits which require high accuracy hole as tolerance given, Accusharp make ratio drills used for drilling a high accuracy holes with higher parameters. No retract line, no burr folding. Eliminate the 180° end mill in flat-bottom drilling, geometry-combinations available to cover most common materials.

SOLID CARBIDE ENDMILL 4 FLUTE

FEATURES

- Multiple helix and index options
- Straight or tapered
- Square, chamfer or radius corner
- Single or multiple diameter
- Solid or coolant through Coated to maximize performance
- Helix changes along flutes
- Increased stability during cutting action Substantial increases in speed
- Small corner radius for added
- Strength and smoother cutting action
- HSN2 coated for improved tool life and increased production output Made from premium submicron grain carbide

APPLICATION

- Die & Mould Industry
- Automobile Industry
- Aerospace Industry



ACCUSHARP end mill available in 25 TO 40 degree helix , used for genral milling is most of medium hardness materials such as steel, SS, brass, iron and non ferrous material made from preium sub micron grade. Most supplied in Die and mould, Automobile sectors, Aerospace industries etc. Solid Carbide Cutting Tools for milling up to 65-HRC hardened die steel & tool steel like D2, D3, H13 etc. End mill is a cutting tool used for end milling operations.

Uses of endmill :

- End mills are used for making shapes and holes in a workpiece during milling and reaming applications.
- It used to cut features like slot, channels, walls, free from surfaces.

SOLID CARBIDE BALL NOSE 2 FLUTE

FEATURES

- Chip breaking geometry
- Excellent heat dissipation during heavy cutting operations
- HSN2 Coating for longer tool life
- Special flute shape geometry

APPLICATION

- Power generation Industry
- Medical Industry
- Aerospace Industries
- Die & Mould Industries



ACCUSHARP Cutting Tools manufactures a variety of roughers for a wide range of materials and conditions. Heavy cuts can be achieved because our roughing end mills have a much higher effective feed per tooth than a conventional end mill. Normally a 20% reduction in effective horsepower is used. Roughers have chip-breaker cutting edges, the “peaks” on each cutting edge provide the cutting action producing short fat chips rather than long stringy chips produced by conventional mills.

ACCUSHARP roughers remove more metal in less time than other types of end mill. Our tools can take heavier cuts at higher speeds with less chatter and vibration. The tooth form, both coarse and fine pitch, provides excellent heat dissipation during heavy cutting operations, making the tool especially effective for cutting high tensile steels.

SOLID CARBIDE BALL NOSE 2 FLUTE

FEATURES

- Stub
- Standard Long Length
- Extra Long Length
- STRONG GEOMETRY for high performance

APPLICATION

- Automobile sector
- Aerospace Industries
- Die & Mould Industries



Use for radius and contouring part , surfaces. Designed to cut materials ranging , from nickel base alloy, stainless, tough alloys, abrasive and non ferrous. Made from premium submicron grain carbide.

Most supplied in Die and mould, Automobile sectors, Aerospace industries etc. The design of ACCUSHARP a two flute ball end mill allows for plenty of chip evacuation making them most effective in contouring deep pockets in molds and dies.

THREAD MILL CUTTER

FEATURES

- Heavy duty
- HSN2 coating for tool life
- Threads with excellent form
- Finish and Accuracy

APPLICATION

- Industrial Applications
- Machining Industry



ACCUSHARP Thread mills are used to produce threads on machining centers which are capable of helical interpolation. The benefits of thread milling versus tapping are specific to the needs of the customer.

Short run jobs especially in expensive parts where thread finish is critical are favorable for thread milling. Difficult to machine materials such as inconel, hard steels or titanium and short run jobs requiring taper pipe threads can be thread milled with good results.

ACCUSHARP's solid carbide HSN2 coated thread mills are helical fluted to cut freely like an end mill and with AlTiN multi-layer coating provide much longer tool life and allow milling in harder materials.

HOLE MILL

FEATURES

- TO CORRECT THE AXIS OF DRILLED TAPER HOLE, the stock for reaming is different for each type of material IS AS BELOW
- Steel & CI 0.3-0.4 mm
- Aluminium 0.5-0.6 mm
- Titanium 0.2-0.3 mm
- Reliable
- Finie finish

APPLICATION

- It is generally used for axis correction before reaming as drilled holes are taper
- Used in different industrial Application
- Holemill give correct shapes to hole as need for reaming
- Aerospace Industry



A Hole-mill is normally an undersized reamer with a boring geometry i.e. the size of the hole-mill is normally 0.2-0.6mm more than the size of the drill so that there are no drill marks on the hole plus the hole axis is corrected for subsequent reaming operation.

Generally used for axis correction before reaming as drilled holes are taper. holemill give corrcct shapes to hole as need for reaming

SOLID CARBIDE ROUGHER ENDMILL

FEATURES

- Chip breaking geometry
- HSN2 Coating for longer tool life
- Excellent heat dissipation during heavy cutting operations
- Special flute shaape geometry

APPLICATION

- Power generation Industry
- Aerospace Industries
- Medical Industry
- Die & Mould Industries



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SOLID CARBIDE REAMER

FEATURES

- Multiple flute options
- Helical or straight flute
- Straight, tapered or step designs
- Solid or coolant through
- Super finishing reamer technology

APPLICATION

- Power generation Industry
- Medical Industry
- Aerospace Industries
- Die & Mould Industries



Accusharp reamer is a type of rotary cutting tool used for surface finishing operation along with controlled tolerated hole. A typical reamer geometry consists of parallel/straight or helical cutting edges along the length of a cylindrical body. All cutting edge are ground at a slight angle and with a slight undercut below the cutting edge. This ensures a long life for the reamer and a superior finish to the hole. having HSN2 and Alcorna coating for good surface finish and less wear of tool. using high parameters with the best design.

Available in straight, helical design with Solid and TCH form. Reaming is a part of the precision machining process or finishing process. holes are mainly reamed in case of special requirements around surface quality, roundness, cylindricity and diameter tolerance.

Uses of Reamer:

- Reamer is a rotary cutting tool used in metal working
- The process of enlarging the holes is called reaming
- Reamer tool for those who are looking for more precise hole
- Reamer cannot be used to originate a hole

COMBINATION REAMER

FEATURES

- Multi step
- Super surface finish
- Super surface finish
- Productivity improvement

APPLICATION

- Suitable for all steel stainless steel, hardened steel
- Mix alloyed steel material



A combination reamer has two or more cutting diameters. The advantage of using a combination reamer is to reduce the number of operations, while more correctly holding depths, internal diameters and ensuring aligned centricity.

Suitable for all steel stainless steel, harden steel and mix alloyed steel material. HSN2 coating get good tool life and less wear resistant.

SOLID CARBIDE INJECTOR BORE REAMER

FEATURES

- Increased Tool Life 2x
- Super surface finish
- Excellent Roundness and Size Control
- Enhanced Feature TIR
- Lowered CPU

APPLICATION

- Automobile Industry



ACCUSHARP offers training to customers on the shop floor on selection, proper utilisation and application of the reaming tools. Used in automobile industries Acusharp provide the best solution for this.

Often reamers are manufactured by combining several steps thereby drastically reducing the cycle time and at the same time ensuring highest geometrical accuracies. All High Precision bores in Steel & cast Iron in the range of IT7 – IT9 class of tolerance. Finish Ream Fuel Injector Bore

Coated Solid Carbide Tool
High Pressure Through Coolant
345 RPM, 227 mm/min.

BRAZED CARBIDE T SLOT CUTTER

FEATURES

- Due to alternate set teeth (staggered), high cutting performance is achieved .
- Best grade material
- Strong body
- Compact size
- Superior Quality

APPLICATION

- Die and Mould Industry
- Automotive Industry
- Applicable Machinery : CNC and TRaditional Lathe .



ACCUSHARP offers a complete range of Solid Carbide TIP T-Slot Cutter with high performance, general purpose, finishing, roughing, high-speed, micro, and material-specific

Solid Carbide tip T-Slot Cutter for high productivity and extended tool life. T-Slot / Carbide cutter suitable for T-grooving and milling. Unlike with key sheaths, both side faces are bladed so it is also suitable for processing T grooves. Made from solid carbide tip to support high precision groove machining

CARBIDE T SLOT CUTTER

FEATURES

- Staggered design high cutting performance
- Strong body
- Compact size available in 1 to 15 mm width
- Superior Quality

APPLICATION

- Aerospace Industry
- Automotive Industry
- Applicable Machinery : CNC and TRaditional Lathe .
- Energy Industry



ACCUSHARP offers a complete range of Solid Carbide T-Slot Cutter with high performance, The mill cuts on all three sides. Unlike with key sheaths, both side faces are bladed so it is also suitable for processing T grooves.

- Made from solid carbide to support high precision groove machining.
- The machinability has been improved due to the staggered blade shape.
- A long type that supports deep processing. used in all automobile, aerospace, energy industries for key way milling.

PORT TOOL

FEATURES

- Perfect concentricity
- Easy Complex form
- High accuracy
- Cost saving
- Solid Carbide or Brazed Tipped
- Solid or coolant through Coated to maximize performance
- Multiple flute options
- Helical or straight flute
- Standard SAE or specials

APPLICATION

- Machine Industry



Porting tools are designed to cut into pre-drilled holes and create a complex form with ease. With the use of porting tools, you can create precise detailed holes, accurate plunge and done ports. ACCUSHARP tool also offers drill cum port forming counter bore tool to perform operation in one go without any pre drill to save up time and cost.the

Port counter bore holes to ISO, SAE' ROSAN & other international standards as well custom built tools. Port counter bore tools are manufactured with high degree of precision for accurate seat for seals on the component.Tool are normally available with counter bores but also can be offered without counter bores.

ACCUSHARP Tools is a complete source of special tools from diameters as small as 2 mm to 60 mm.Accusharp provides you with the best range of specialized tools,with an assurance of effective and timely Delivery.our specialized tools have aproven track record of increasing productivity and optimising cost.



FORM TOOL

FEATURES

- Easy operations
- Longer service life
- Robust construction
- High surface finish
- Customize design to avoid extra tools
- Multiple flute options
- Helical or straight flute
- Solid or coolant through Coated to maximize performance

APPLICATION

- Construction Industry



A large variety of Solid Carbide Form Tool. This is highly admired among for its compact design, high performance and appealing appearance our valuable customers.

Our offered products are available in various specifications to fulfill the needs of our clients spread across the nation.



GUN DRILL

FEATURES

- Deep Hole drilling solution ends here
- Cost-saving
- It is developed for long, straight hole of high accuracy, dimensional requirement
- Gun drill can make hole of specified size.
- Gun drill used in deep hole drilling applications

APPLICATION

- Medical Tooling Industry
- Firearm
- Diesel fuel components
- Plastic injection molds
- Die and Mould Industry
- Metal Industry



ACCUSHARP Gun drills are straight fluted drills which allow cutting fluid (either compressed air or a suitable liquid) to be injected through the drill's hollow body to the cutting face. ACCUSHARP drills used for deep drilling—a depth-to-diameter ratio of 300:1 or more is possible.

Gun barrels are the obvious example; hence the name. Other uses include moldmaking, diemaking, and the manufacture of combustion engine parts such as crankcase, cylinder head, and woodwind musical instruments, such as uilleann pipes, as gun drills can drill long straight holes in metal, wood, and some plastics.

The coolant provides lubrication and cooling to the cutting edges and removes the swarf or chips from the hole. Modern gun drills use carbide tips to prolong life and reduce total cost when compared with steel tips. Speed of drilling depends on the material being drilled, rotational speed, and the drill diameter



ACCUSHARP
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OUR MARKET



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