



The Ultimate Cutting Edge





About Us

Excel Impex is one of the top dealers of diamond coated tools and glass designing articles with three decades of excellent service by maintaining high standard in quality and customer satisfaction. The company established and promoted by Mr. Pauly Thomas, since 1982. We empowered with our sister concern; Excel Abrasives manufacturers of diamond coated tools with it's unique diamond and composite coating technology and our Research & Development Department. It helps us to maintain high quality and customize tools as per the customer needs. Our ISO Quality Certification guarantees consistent and quality performance every time.

Our proprietary EN and electrolyte diamond composite coating on various substrates uses in industries for wear and corrosion resistant solutions. Surface coating with nano crystalline diamond and PTFE enhances wear, lubrication and release properties of die-mould, cutting tools etc.

DIAMOND GLASS DRILL BITS

Excel high quality glass drill bits are specially designed to make holes quickly on glass. This precision glass drill bits are totally predictable giving you consistent results time after time. Diamond particles are electro bonded to the tip of the drill for faster action. Available in sizes ranging from 4 mm to 150 mm dia sizes.



DIAMOND CORE DRILL BITS

Excel Core Drill bits are specially designed for granite, tile, FRP, FTP and many other hard and brittle materials. Each core drill bits make hundreds of holes under ideal condition without chipping the material being cut. High concentration of premium diamond grit permits fast cutting action. Available in 5mm to 125mm dia sizes.



DIAMOND BEVELING TOOL

The 100% diamonds are encapsulated on a suitable metal body using a proprietary hard nickel-diamond bonding system that outlasts any prevailing hand beveling system for glass. Diamonds aggressive ability to grind glass replaces conventional silicon carbide, aluminum oxide grinding wheel. This innovative tool bevels glass four time faster and yields fifteen times than conventional grinding wheel. Each tool guarantees 400 linear feet beveling on glass! Available in 4" dia and standard bore sizes.



DIAMOND BEVELING PLATE

Diamond's aggressive ability to grind glass replaces conventional glass beveling using abrasive sand. Faster and most economical tool for beveling glass with an amazing speed. The plate with magnetic backing enablers to hold the diamond plate on the beveling machine comfortably. An ideal tool for glass workers and memento artists. Available in 6", 8", 12", 18", 24" dia sizes and Coarse, Medium, and Fine grit sizes.



DIAMOND CUT OFF WHEEL

Excel Diamond Cut Off Wheels are specially designed to cut straight and geometric cut on thicker glass, glass pillar, fibre glass, FRP, FTP. Graded diamond grits are electro-bonded to a metal disc with nickel. It enables a smoother and thinner cut with spring steel material which keeps the blade rigid and straight. Available in 3, 4, 5, 6, 8, 10, 12, 14 inch dia sizes with .5, 1, 1.2 mm thicknesses and grit sizes of 80, 120, 170 US mesh. Custom sizes are also available.



EXCEL METAL BOND

Metal bond means that the diamonds are embedded in a sintered metal matrix. Excel Metal Bond Bits are the perfect answer to the various drilling needs on granite, marble and ceramic tiles. Diamond particles are embedded into the cutting edges to produce the most economical hole making tools available in market. It can be used wet or dry. Easily produces around 400-500 holes. Available in 6 mm to 100 mm dia sizes.

COUNTER SINK

Excel Counter Sinks are specially designed for drilling and flaring actions on marble, glass and granite. A layer of highly concentrated diamond particles held with nickel alloy gives a free and faster cutting with minimum heat generation. Available in standard sizes. Angle Shank (AS), Angle Thread (AT), Plain Shank (PS) and Plain Thread (PT) with varied grit sizes for grinding and finishing.



DIAMOND INNER THREAD

Excel Diamond Inner Thread Bits are widely used to make holes on granite, tile and other hard and brittle materials effectively. These highly effective electro-bonded bits are designed for the best use in the industry. Available in two thread types with UNF 20 for standard drill machines and M10 for angle grinder machines.

DIAMOND FILES

Excel Diamond Files are ideal for hand filing alloy steel, tungsten carbide, glass, fiberglass and many other hard and brittle materials. Widely used on die-mould, saw blades, cutting tools, carbide insert and anywhere hard grinding and sharpening is required. Available in seven profiles and with three grit sizes: coarse, medium & fine. Diamond File Standard (Total length 160mm, Diamond Coating length 75mm, Dia 3mm), Medium Files (Total length 200mm, Diamond Coating length 90mm, Dia 4.5mm), Diamond Big file (Total Length 240 mm, Diamond Coating length 110 mm, Dia 8mm). It is largely used in general and toughened glass industries where hand filing is required.



DIAMOND HAND PAD

Diamond Hand Pad is intended for grinding the freshly cut sharp edges of glass without chipping. It is easy for fine edge grinding. Weightlessness of the handle frees fear of breaking the glass accidentally. An essential tool for glass and stained glass artists. Available in coarse, medium and smooth grit sizes. Size 85mm x 55mm.

DIAMOND GRINDING HEADS

An essential tool for every stained glass artist, lamp working and detailed work on glass and ceramics. Ideal for shaping all types of glass with consistent and accurate tolerances. Available in variety of sizes and shapes with varied diamond grit sizes for grinding, grooving and mitering with varied degrees. Standard sizes: 3/4" and 1" with and without groove and angle. Fits on all table top machines. Grit sizes: Coarse 80, Medium 140 and Fine 325 US mesh.



MISCELLANEOUS TOOLS

Excel diamond coated miscellaneous tools work on glass, ceramics, porcelain, engineered plastics and variety of hard and brittle materials where other tools cannot grind and shape. A vast array of profile to choose with size, shape and grit. Welcome for custom making with your specification.

DENTAL BUR

Dental Bur is commonly used for both interproximal reduction and cutting in dentistry. Diamond powder is coated on shaped end of surgical steel shank for a variety of dental procedures. Our bonding guarantees uniform position of diamonds and more exposed diamond surfaces. Available in variety of shapes and sizes.



ENGRAVING SET

Engrave decorative designs on glass. Diamond coated ball end bits are used for engraving, shading and frosting on glass, ceramic, stone, and other hard materials. Write your name on glass, metals, alloys and on hard and brittle materials for identification and security. Craft and carve yourself on small projects. 20 different profiles, fits on mini craft drill. Length-45mm.



DIAMOND WIRE SAW

Excel Diamond Wire Saw cuts glass that any other glass cutter and cut off wheel do not. Any intricate pattern on glass cuts by hand in any direction very easily. Diamond particles are electro-bonded on to a suitable metal string. Use this tool to cut forms and shapes on variety of hard and brittle materials like glass, marble, granite, fiber glass, semi-precious stone and composites. This standard size tool fits on any hack-saw available in the market. Available in two standard grit sizes coarse and medium.



COUNTER BIT

Excel counter bit makes fixing screw heads and expanding hole mouth of a glass hole. Counter bits can be used for making holes of varying sizes to make perfect fit for screw heads. And its counter allows special facility of making perfect seating for screws. It is widely used in toughened glass industry.



OGL WHEELS

Excel OGL wheel is an innovation of Excel Research and Development Centre. Avoid costly machines. This hand held tool is ideal for making half round shapes along the glass edges with tremendous speed and impeccable precision. It can be fitted with standard drill machines and angle grinder machines in an effortless way. Available in different profiles and sizes to fulfill various grinding needs.

DIAMOND SHARPNER

Excel Diamond Bench Stone Sharpener and Domestic Diamond Knife Sharpener make an ideal tool for professionals. Uninterrupted layer of diamonds sharpen edges of knives, as well as pointed tools with a small contact area. Domestic Sharpener used to polish and sharpen household tools such as scissors, knives and more. These sharpeners are also recommended for tools, dies, saw blades, moulds and almost any other metal piece that requires hand sharpening and smoothening. Available in variety of models and grit sizes. Welcome for custom made corporate orders.



DIAMOND CONES

Excel Diamond Cones are used for grinding and beveling of cut bottle, glass cylinders and where an access to grind is difficult. These electro-deposited diamond tools are useful in any size of cut bottles and cylinders for interior beveling and sharp edge grinding. Available with two thread sizes used on table top head grinders and normal beveling machines. Variable sizes are available with different grit combinations.



DIAMOND WHEEL

Excel Diamond Coated Wheels are intended for grinding, beveling and engraving of glass, ceramics, composites and many other dense and brittle materials. Long lasting quality diamond coated wheels with solid steel cores. Available in 2" and 6" dia sizes and standard bore sizes. Different grits sizes:- 60, 80, 140, 220, 360 US mesh.

DIAMOND GRINDING PIN

Diamond Grinding Pins are widely used in jig grinding, taper grinding on alloys and hard materials in die-mould industry. Customised angle-grinding pins with different grit sizes and degrees are widely used in grinding TC in wire drawing industry. Due to its bond retention with nickel alloy and diamond particle it lasts longer and thus increases productivity.



DIAMOND CUP WHEEL

Excel cup wheel is an ideal tool for aggressive beveling of glass. This tool replaces and outperforms aloxide and silicon carbide grinding wheel. Fitted into angle grinder provides faster and effective grinding. Available in 4 inch dia, diamond coating width one inch. Available in coarse and medium grit sizes

SWIVEL DRILL BITS

Designed for high precision and high yield production drilling application. Diamond plated solid thin drills have high diamond concentration for a smoother and faster drilling action. The provision for free flow of water makes the tool stay cooled. Available in standard and custom sizes.





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