Nine9®

www.jic-tools.com.tw

CUTTING TOOLS & TOOL HOLDERS

Productivity & Creativity & Infinity

Time Saving

We have invested resources in the design & Manufacture of inserted cutters.

Long Tool Life

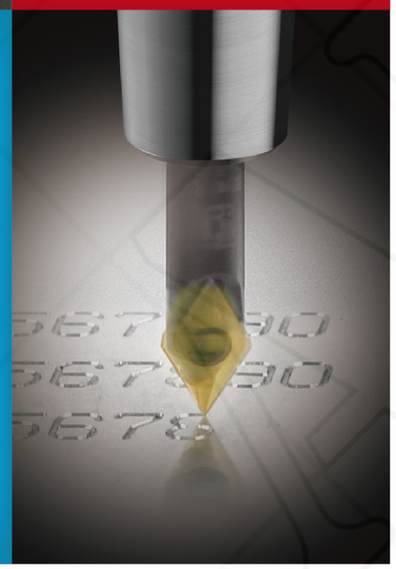
Our innovative tooling design upgrades productivity and competitive capability while reducing production require-ments in a wide range of industries.

Cost Saving

The tooling system is designed to benefit users of machining centers, CNC lathes, turning center and special purpose machines.

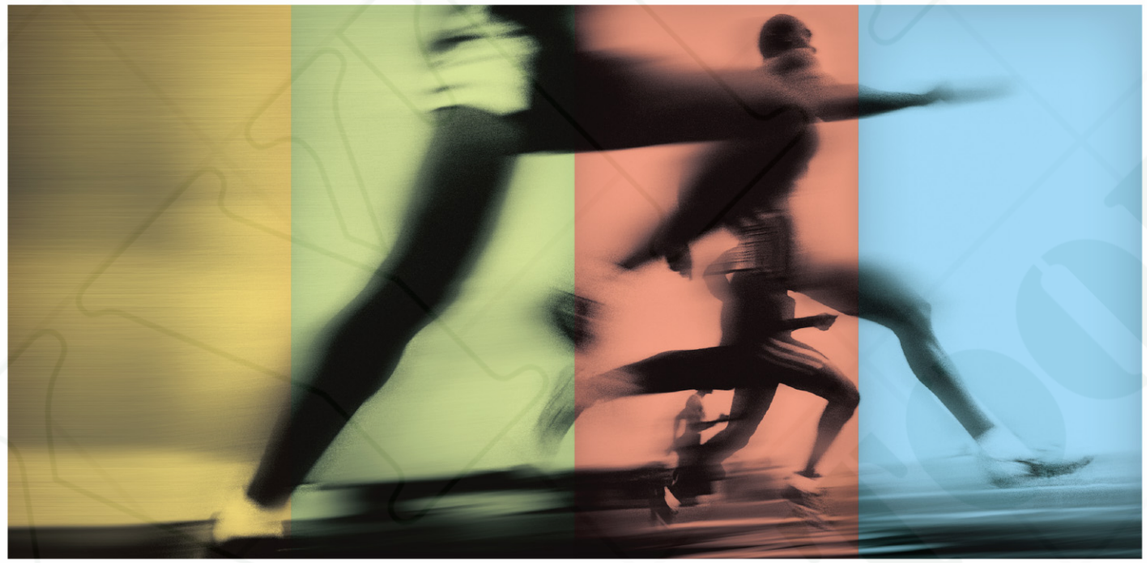
Highly Efficient

Our outstanding R&D capabilities combined with fast delivery provide a strong competitive edge.



Productivity & Creativity & Infinity

“No Need To Choose Nine9 Does It All”



Nine9®

The Winner is not necessarily the one who runs the fastest but the one who holds on to the last

Nine9 company began in 1994 and with the development of special tools, NC spot drills, super power drills, boring tools and engraving tools.

The Nine9 logo was commissioned in 1999.

It comes from the Chinese characters meaning “long life and durability” – words which aptly describe all Nine9 tools.

99 is the largest 2 digit number, indicating maximum product endurance.

NC Spot Drill

- NC Spot Drill with indexable carbide insert
- High efficiency! Cost saving!
- CNC lathes, CNC turning centers and machining centers

One tool will perform multiple applications

- Long tool life.
- Each insert has up to 4 cutting edges.
- Suitable for spotting, chamfering, grooving and engraving.
- 45° / 60° / 82° / 90° / 100° / 120° / 142° angle for different applications.
- Increase cutting speed with coated carbide inserts

A Grooving
B Helical groove milling
C Engraving
D Spot drilling
E Chamfer turning
F Face grooving
G Internal turning
H Spot drilling on end surface
I Internal chamfering

Corner Rounding

- Inserts are CNC ground for precision radius and location
- Carbide insert can stand very long tool life
- Produces smooth and excellent surface finish on workpiece

Various corner radius inserts can fit on same holder

- Each insert has 2 cutting edges.
- Combination corner rounding and 45° chamfering application on same insert.
- Higher cutting speed and feed rate.
- Very small X offset, good for contour chamfering.
- Utilizes standard NC Spot Drill holders

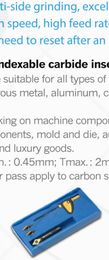
a 99616-06 for Radius 0.5~1.0
b 99616-14 for Radius 1.0~3.0
c 99616-22 for Radius 4.0~6.0

Engraving V045 / V060

- Multi-side grinding, excellent performance
- High speed, high feed rate
- No need to reset after an insert change

Engraving tools with indexable carbide inserts

- High positive rake angle suitable for all types of materials, such as plastic, non-ferrous metal, aluminum, carbon steel and stainless steel.
- Widely be used for marking on machine components, medical components, gun components, mold and die, automotive parts, gears, bearings and luxury goods.
- Angle : 45° & 60° ; Wmin. : 0.45mm; Tmax. : 2mm
- Depth of cut 0.8mm per pass apply to carbon steel.
- Starter Kit • 1 x Holder
  • 1 x T7 Key
  • 3 x insert



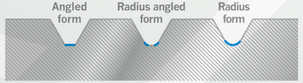
Engraving X060

- Minimum width of bottom : 0.1mm
- Angles from 10° up to 120°
- Replace solid carbide engraving tool

NEW

One holder supports the entire X060 series

- Custom forms based on your specification of angle, width, depth and corner radius.
- Full peripherally ground insert to ensure accurate repeatability.
- Each insert has 2 cutting edge. Cost saving!
- High speed, high feedrate, reducing engraving cycle time.



Indexable Center Drill « i-Center »

- High Speed, High Feed Rate
- Easy Tool Length Setting
- Excellent Repeatability : 0.02mm in radial direction 0.05mm axial positional accuracy.

Improves your process performance for centering applications

- Special forms or combination types are possible
- 2 cutting edges, high performance for center drilling.
- National standard DIN 332 A+B
  DIN 332 R , Ø1~Ø10 mm
  DIN Form A , Ø2~Ø3.15 mm
  ANSI (BS) #2 ~10
- The insert is positioned by two pins and clamped by one insert screw at the center
- Coolant can be supplied through the center of the holder.
- Shank diameters including metric and imperial dimensions.

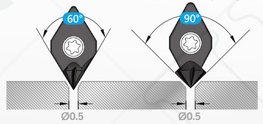
NC De-Burring

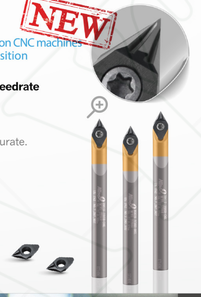
- Smallest countersink 0.5mm
- High feed rate for high speed de-buring on CNC machines
- Indexable type ensure the relative position of de-burring.

NEW

Insert has 6 flutes, capable of running 6 times higher feedrate

- Ideal for fine hole de-burring.
- Each insert has one cutting edges.
- Using same tool holder of X060 engraving tool.
- Relative position of deburring depth and diameter are accurate.
- TiAlN coated carbide insert can stand very long life.





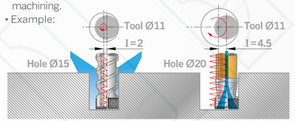
NC Helix Drill

- Cutting a hole by helical interpolation!
- Serrated cutting edge minimized cutting chips.
- Required low spindle power, good for drilling on soft and long cutting chip material.

NEW

New remarkable tool design to eliminate your drills stock

- Only 5 NC Helix drills for making Ø13~Ø50mm hole from solid.
- Rotating helical groove to generate evacuating force to remove cutting chips.
- Straight shank apply for external coolant supply machining.
- Screw fit type with center coolant hole, apply for internal coolant supply machining.
- Example:



Super Power Drill

- 3xd : Ø10 To Ø30 mm
- 4xd : Ø16 To Ø30 mm
- 5-10xd : Ø19 To Ø40 mm
- 12xd is also possible

With patented center pilot insert which aids accurate and steady deep hole drilling.

- The center and peripheral inserts are positioned in order to divide the cutting chips into smaller spiral shape.
- The unique design of insert pocket provides the best accuracy and rigidity of center insert.
- Better surface finish. It might reduce your roughing operation.
- Lateral cutting forces can be absorbed by center insert, a true straight hole can be expected.

Chamfer Mill

- Smallest Indexable counter sink, diameter ø7 mm.
- For 90° counter sink, 45° circular chamfering, contour chamfering and face milling.
- For front and back chamfering, eliminates 2nd operation or de-burring time.

" Ultra high speed and feed rate is the biggest advantage of Nine9 Chamfer Mills. "

- This is not a traditional chamfer tool. It is capable of running 4 times faster and at up to 10 times the feed rate of the competition.
- The insert is dual-relief angle, specially edge honning and optimized coated for high cutting speed.
- Optimized the number of teeth on the holder to achieve higher feed rate.
- Backward Circular Chamfering

Boring Tools

- Eccentrical mechanism boring bars
- Adjusting range : ± 0.1mm
- Ø5mm~Ø50mm boring bars are interchnageable.

Simple boring tool has minimal components. Easy adjustment

- Ideal as small hole boring tool with excellent accuracy.
- For fine boring operation on milling machines, machining centers and special purpose machines.
- Replace solid carbide reamers.
- No backlash.
- Change the boring bar and set the boring dimension on the tool presetter in just one minute.
- Featuring Improved : Cycle Time
  Roughness
  Position Accuracy
  True Roundness

G6.3
10,000
r.p.m

SLOKY® Torque Screwdriver

TORX® TORX PLUS® HEXAGON

JIC WEB

Sloky torque screwdriver, a predicable, replaceable and organized tool.
The torque's value is setting on the adapter; complied with various bits and handles become torque screwdrivers for tighten or loosen the screw.
It is considering to be used in industrial field having a greatest advantage of " no-over tighten".
It prevents the damages of the screw and tool, in addition it provides a replaceable function to fit with driver bits having different shape and dimensions.

REVA REVA Toolholder and Accessories

Specifications of the tool holders are manufactured according to individual standard.

- Slim chuck & high precision collet chuck
- Spring collet chuck & keyless drill chuck
- VDI Tool holder
- Spring collets and collet sets
- Pull Studs
- Peripheral accessories
- CNC tool storage wagon
- Tapping attachment and adapters
- Machine vises

"The Accurate & **Advantaged SOLUTION**"

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AKYTEC
TOOLS & TOOLING

ООО «АКИТЭК» РФ, г. Москва,
ул. Подольских курсантов вл. 22, стр.5
тел. 8 (499) 550 50 39
www.akytec.ru

JIMMORE International Corp.
No.120-2, Sec.2 Fusing Rd., South District,
Taichung City 40252, Taiwan
Tel : (04) 2260-5352 / Fax : (04) 2260-8765
E-mail : info@jimmore.com.tw
Website : www.jic-tools.com.tw