



**UNION GROVE
SAW & KNIFE**



A FULL-SERVICE TOOLING COMPANY



UNION GROVE SAW & KNIFE

Union Grove Saw and Knife was founded in 1983 with a strong desire to become a regional tool company known for exceptional service and quality. We service over 500 customers and still maintain the original 10 accounts we began with.

We are known for being competitively priced while delivering a consistently high standard of workmanship and quality products. We are proud to have done this while maintaining a timely delivery with each and every order.

Our goal is to form long term partnering relationships with customers who seek to gain a competitive advantage thru better management of their cutting tool resources. While it may sound cliché our goal has always been to become the leading service provider in the Southeast.

To further realize that goal and to insure the long term success of our company significant changes were made for 2016. A large selection of highly specialized equipment was installed in our Union Grove facility to accommodate our growth. A new management team was put in place to guide the growth. This equipment along with a highly trained staff provides the highest level of craftsmanship and tooling specifications available to the industry. We are now fully equipped to handle the secondary woodworking industry markets just as effectively as we have serviced the primary markets for years.

To supplement that goal we are proud to introduce Phoenix Cutting Tools. Phoenix is a well-known story of re-birth and was very fitting for our company. Phoenix tools will be available in carbide tipped and PCD tipped circular saw blades, insert tooling for the woodworking industry, solid carbide tools and much more.

OUR CORE BUSINESS STRENGTHS

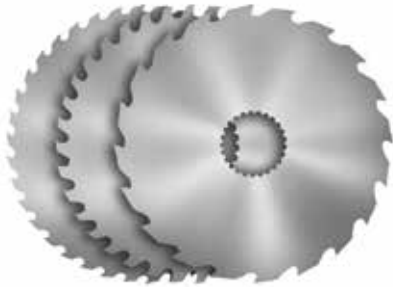
Consistently reliable delivery of a proven service and product quality

Technical support and training to our customers as an integral part of our commitment

Application specific cutting tools refined to your production requirements

Total lower cost of ownership for all of your cutting tool resources

PRIMARY WOOD INDUSTRY CUTTING TOOLS



Carbide and stellite tipped guided, trim, strobe, and pallet saw blades



Inserted tooth and slasher saw blades



Wide bandsaws and resaws



Planer, chipper, counter, paper and plastic knives

SECONDARY WOOD INDUSTRY CUTTING TOOLS



Carbide tipped saws



Carbide tipped and steel knife moulder heads



Profiled insert heads and replacement insert knives



Solid carbide router bits



Boring bits - standard and metric



PCD tipped tooling - saw blades, router bits and cutters

COMPLETE TOOL LIFE MANAGEMENT SYSTEM

You are faced with many questions when buying and maintaining tools.

Most of those questions center around per-pieces tool costs, optimization, and all costs connected to your tool supply and maintenance efforts. Union Grove Saw & Knife, has the answers to your questions.

We have developed the Complete Tool Life Management System to keep your tools running efficiently. With our new innovative approach, we guarantee performance, while you can control your perishable tool costs.

Tools are delivered on time to your facility, and used tools are automatically picked up, re-sharpened, and returned according to your needs. You choose our level of involvement, from reconditioning services for existing tools to complete service management for new products.



MANAGE

YOUR ENTIRE
TOOL PROCESS

We help you determine the right tool selection for the application.



SAVE

ON YOUR TOOL
RESHARPENING
COSTS

Our approach to sharpening can increase the number of service times dramatically with longer runs between services, saving you money.



REDUCE

YOUR OVERALL
COST-PER-PIECE

Our Longer tool runs from the proper cutting tool helps reduce your total cost-per-piece.



MINIMIZE

YOUR TOOL
INVENTORY

Our hold for release programs help you minimize the total number of sets you have in operation.

*Solutions for controlling your
total tool cost per piece*

CARBIDE SERVICE

Our total commitment to providing high-value tooling solutions and superior service only begins when your tools arrive at your facility. Our dedication to delivering productivity continues through the life of your tools with unmatched customer support programs that save you time and money.

- **Saw Service and Repair:** We restore your saws to better-than-new condition at our state of the art facility. Every blade is fully inspected for proper flatness and tension before being returned to your production.
- **The Hold-For-Release program** is a coordinated inventory system that ensures quick and dependable delivery of specific items as they become needed. Union Grove will maintain stocked products and release them on demand minimizing your inventory requirements.
- Our extensive services guarantee efficiency for a whole tool lifetime. A uniform service standard on the highest level is of crucial importance for our service center to operate.
- The maintenance of quality tools is necessary for optimal results in woodworking. This is satisfied with a network of specialists and sharpening services that put your tools back in shape. Our local pickup and delivery service has its own specialists covering your area as well. As a quality-aware tool manufacturer we repair all of your tools.
- Whether sharpening of all tooth geometries and tooth replacement up to adjustment, alignment, eroding and setting - the precision and quality required throughout the entire life-span of the tool, along with ensuring the economy of the work at the same time, are the factors in measuring the work of our team.

EVERY TOOL FOLLOWS THE SAME PROCESS

Inspection – Tools are first cleaned and then thoroughly inspected to determine the needed repair.

Tip Replacement – Damaged tips are replaced with the highest quality carbide and silver solder.

Straightening – Utilizing skilled technicians even the slightest misalignments are corrected.

Hammering – Every blade passes our bench to restore proper tension to the saw body ensuring cut quality.

Sharpening – Utilizing the best possible equipment, high precision grinding of face top and sides is completed.

Polishing – All tools are completely cleaned and polished to prevent drag and complete our service process.

Inspection – Tools are oiled and measured to exacting tolerances before being packaged for return to the customer.

WE OFFER A FULL LINE OF SOLID CARBIDE ROUTER BITS

- Competitive Pricing
- Fast Delivery
- Two Flute Spirals
- Two Flute Compression
- Three Flute Up-Cut Slow Spiral
- O Flute Spirals

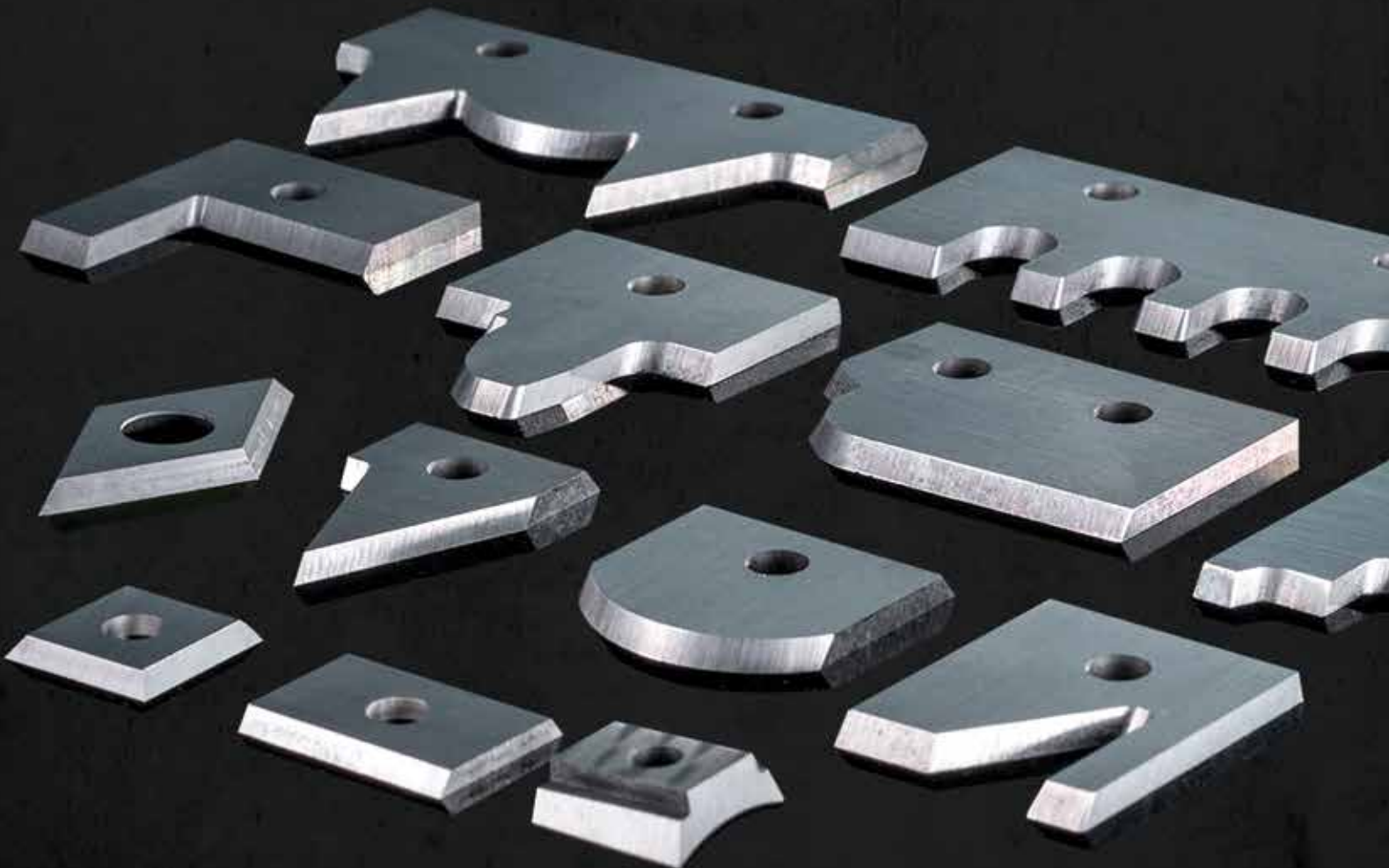


PROFILE GROUND INSERT KNIVES ICK & PLANER KNIVES

- **Made in the USA**
- **Competitive Pricing**
- **Carbide Grade Specific to Your Application**
- **Tighter than “Industry Standard” Tolerances**
- **Fast Delivery**
- **Produced for Your New or Existing Profile**
- **15mm to 150mm Profile Capability**

Custom ground inserts to match your print or profile for new and existing cutter heads. We also stock ICK Turnover knives.

We also offer carbide insert cutters for spiral heads, custom cut planer and jointer blades, as well as molding and shaper knives to fit virtually any brand of machine.



INDUSTRIAL CIRCULAR SAW BLADES

We offer a full line of industrial circular saw blades. Each blade is created and handled with the precision to meet the specifications and application of each individual saw blade. This ensures the sharpest cut and the longest life of each blade.

- Carbide and Stellite Guide Saws
- Carbide and Stellite Trim Saws
- Carbide and Stellite Pallet Saws
- Plastic and Building Material Saws
- Ferrous and Non-Ferrous Saws
- Inserted Tooth Saws
- Multi-Rip Saws
- Industrial Strob Saws

WE SERVICE, REPAIR AND RESTORE YOUR SAWS TO BETTER-THAN-NEW CONDITION THROUGH OUR PROCESSES OF:

PRE-INSPECTION: Tools are first cleaned and then thoroughly inspected to determine the needed repair.

TIP REPLACEMENT: Damaged tips are replaced with the highest quality carbide and silver solder.

STRAIGHTENING: Utilizing skilled technicians, even the slightest misalignments are corrected.

HAMMERING: Every blade passes our bench to restore proper tension to the saw body ensuring cut quality.

SHARPENING: Utilizing the best possible equipment, high precision grinding of face top and side is completed.

POLISHING: All tools are completely cleaned and polished to prevent drag and complete our service process.

INSPECTION: Tools are oiled and measured to exacting tolerances before being packaged for return to the customer.

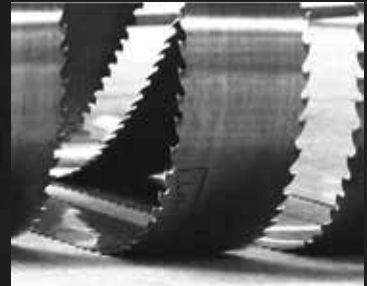
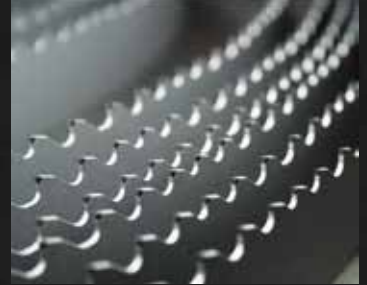


PHOENIX
CUTTING TOOLS

BANDSAW BLADES

**WE OFFER A WIDE SELECTION OF
BLADES FOR ALL OF YOUR NEEDS.**

- **Single Cut – 3” – 14” Widths**
Swage Tooth, Stellite-Tipped Sliver Back Available
- **Double Cut – 4” – 14” Widths**
Our very best Stellite-Tipped
- **Steel Service and Fabrication**
Metal Cutting Bandsaw Blades
- **Narrow Bands – 1” – 2” & 2”**
Stellite-Tipped – Bi-metal and Wood Cutting



METAMOB
passion for bandsaw blades



Sales Inquiry

We appreciate the interest you have shown in our company. In order for us to better assist you we need to gain some further information about your individual needs and specific requirements. Please take a moment to provide this additional information that will allow us to determine if a customer service representative should contact you or if a technical application engineer should call to discuss your requirements in further detail.

Company Name _____

Contact Name _____

Title _____

Address _____

City _____ State _____ Zip _____

Phone _____ Cell _____ Fax _____

E-mail _____

1. Are you responsible for selecting the vendor in addition to actually placing order for insert knives? Yes No

If not, who else is involved? Name _____ Position _____

2. Are you responsible for the technical details related to profiles or patterns for custom ground insert knives? Yes No

If no, who is the contact person and may we contact them directly for technical information and/or questions?

Name _____ Position _____

3. What major problems do you experience and/or are the areas of most concern with your existing supplier?

- Promised lead time when the order is placed compared to actual time required for delivery of the shipment.
- Consistent quality of the insert knives including overall accuracy/tolerances and repeatability of the profile.
- Proprietor carbide blank forcing you to only use the original tooling manufacturer or poor availability.
- Other _____

4. Do you typically purchase direct from a cutting tool manufacturer or through distributors? _____

5. What major brand of cutting tools are being used within your operation that requires profile ground knives?

A _____ B _____ C _____

6. Please indicate the level of importance by which you select the primary supplier for your profile ground knives?

1 = Most important 2 = Very important 3 = Somewhat important 4 = Not important



- Availability of technical support Carbide grade selection or Jonally
- Quick delivery of custom profiles Stocking program for my specific needs
- Price per piece regardless of quantity Repeatable consistent profile tolerances

7. What does Union Grove need to provide or demonstrate to you in order to become your primary supplier? _____


8 Who is your current supplier of custom profile ground insert knives? _____

Representative _____ Date _____
 Customer Name _____ # _____ Ref FDM Order No. _____
 1st Contact _____ 2nd Contact _____
 Phone _____ Fax _____

MACHINE

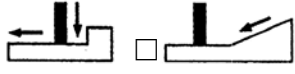
Brand _____ Type _____
 Feed _____  Manual
 RPM _____  Automatic
 Hydrolock _____
 Bore Ø _____ Shank Ø _____ Shank Length _____

APPLICATION / MATERIAL

Final Product Manufactured _____
 Laminated Glue Joint Stack Height _____
 _____  _____
 _____ [Width of Material] [Description of Material]
 Depth of Cut _____ Grain: Across Along

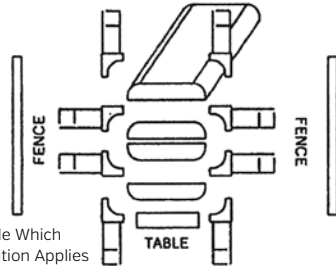
BIT

Tantung Brazed Insert
Carbide Brazed Insert
Diamond Full Staggered
 L Ø _____ S Ø _____
 Bearing Ø _____
 # Teeth _____ Spurs _____
 Long Point Up Down
 Profile Length _____
 Shear _____ Hook _____

Plunge 

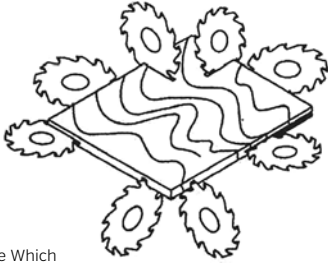
CUTTERHEAD

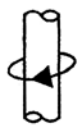

HSS Shaper Cor.
Tantung Brazed Insert
Carbide Brazed Insert
Diamond Full Staggered
 L Ø _____ S Ø _____
 Bearing Ø _____
 # Teeth _____ Spurs _____
 Profile Length _____
 Keyway # _____ W _____ D _____
 Shear _____ Hook _____
 Width _____ Depth _____
Shear Up Alternative
 Down

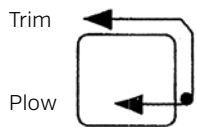
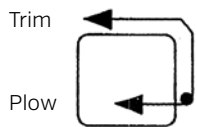

 Circle Which Position Applies

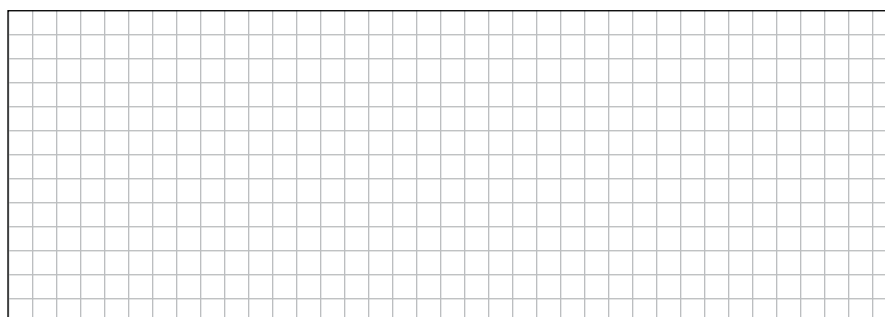
SAW BLADE / GROOVER

Style _____ L Ø _____
 Carbide Diamond
 # Teeth _____ Hook _____
 Thickness: Blade _____ Kerf _____
 Ø Flange _____
 KeyPin Holes _____ Ø _____ C to C _____
 Keyway # _____ W _____ D _____
 Thim Rim Ø _____ Thick _____
 Strob Open Closed
 Expansion Slot Laser
 Copper plug


 Circle Which Position Applies

Rotation  CW  CCW

Cut  Trim
 Plow



NOTES

Material Tool DXF
 Drawing # _____
Notes:

EXCLUSIVE USA IMPORTER



METAMOB
passion for bandsaw blades



Introducing our line of
superior cutting tools

PHOENIX 
CUTTING TOOLS



PO BOX 160
157 Sawtooth Lane
Union Grove, NC 28689

Contact us Today!

704.539.4442

SawAndKnife.com