



PROUD TO BE

**100% AMERICAN MADE**



**VEXOR**

CUSTOM WOODWORKING TOOLS

PRODUCT CATALOG



IF YOU CAN DREAM IT,  
**VEXOR CAN BUILD IT**  
AND MAKE YOUR VISION A REALITY.

Since 1984 Vexor Custom Woodworking Tools has been specializing in a wide variety of tools to support the needs of the woodworking industry. Located in beautiful Denver Colorado, Vexor is family owned and operated, utilizing over 100 years of combined experience in the tooling and manufacturing industry.



## MANUFACTURING

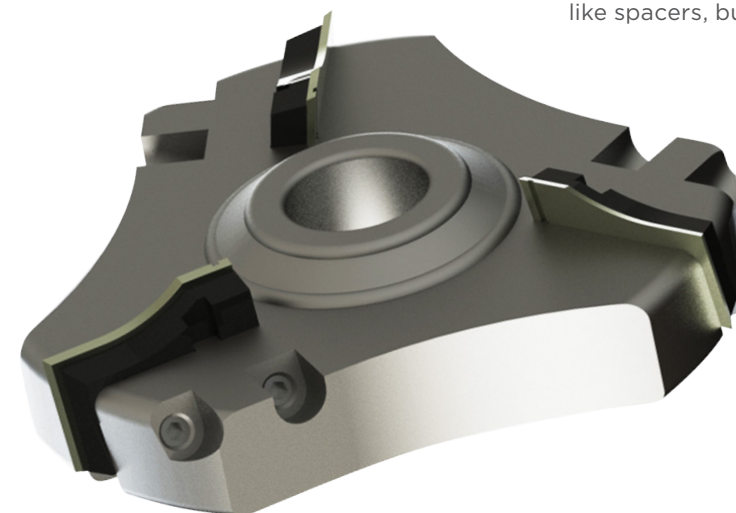
We at Vexor have never stopped pursuing our dream of producing the highest quality custom tooling in the industry. With that goal in mind, we have invested in state of the art equipment to ensure that your tooling is manufactured to perfection. Vexor is committed to producing the most precise tooling possible using the highest quality machines and materials. All tooling is produced on CNC machinery including 5 axis profile grinding, and balanced to the industry standard of 2.5G or less. It will be the sharpest, smoothest running tool you've ever had, guaranteed.

## SHARPENING

Vexor offers a sharpening and reconditioning service for a variety of tools including saw blades, shaper cutters, router bits, planer knives and most other woodworking tools. Our sharpening is done with precision equipment that will restore your tools cutting edges to better than new condition! Tools are inspected, sharpened, cleaned and dipped for protection. Our service is completed correctly the first time, every time!

## DISTRIBUTING

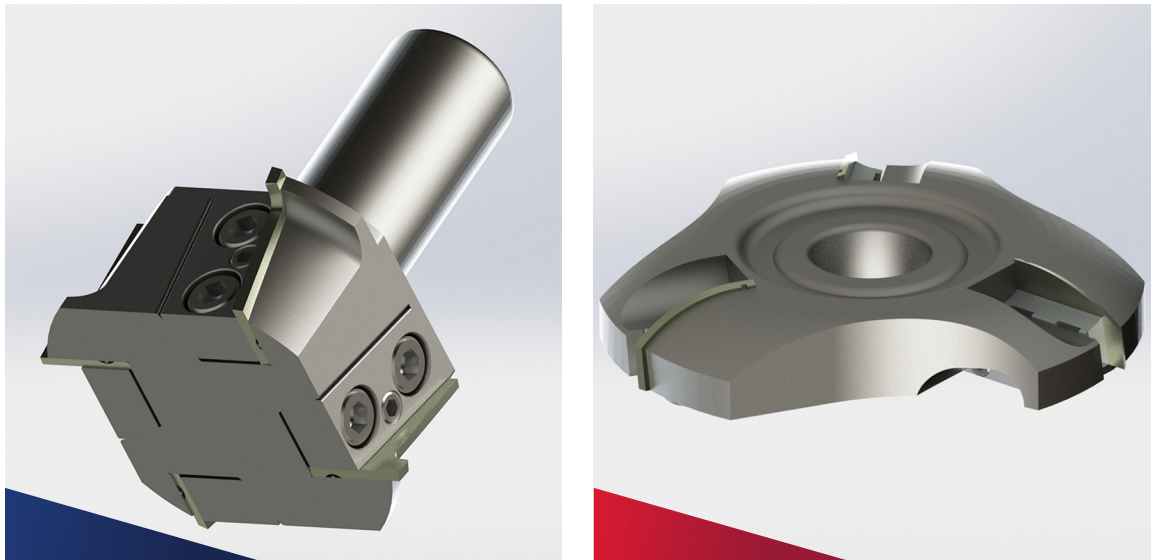
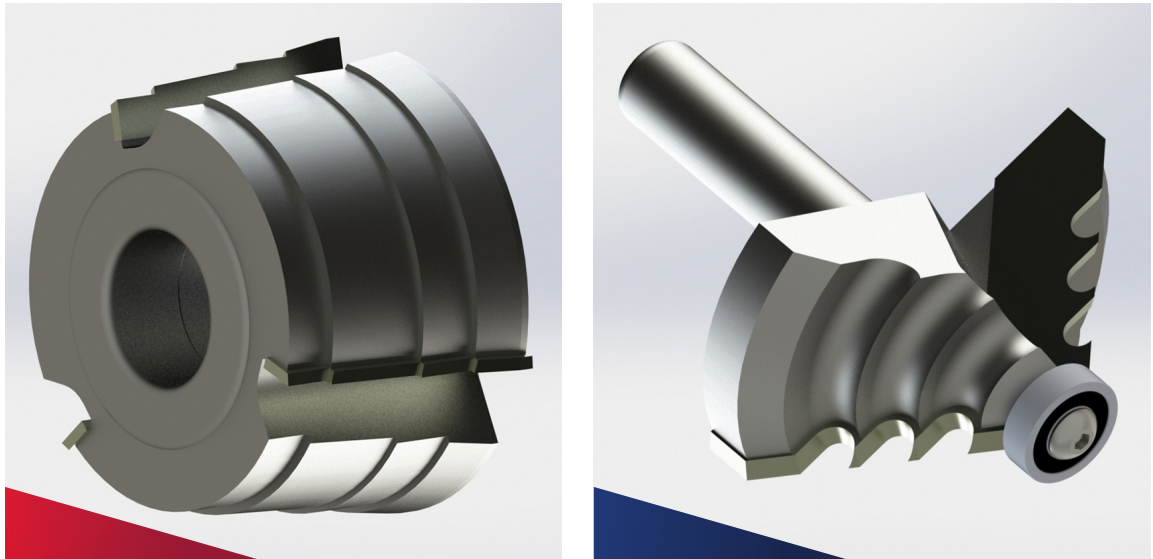
Aside from our own line of products and custom tooling, we also offer a variety of standard tools such as saw blades, router bits, boring bits, spirals, planer knives, moulder knives and moulder heads. As well as accessories like spacers, bushings, bearings, collets, tool holders and more!





## CUSTOM CARBIDE TIPPED & DEDICATED INSERT TOOLING

Vexor can design and manufacture custom brazed tooling and dedicated insert tooling. Our engineers will work closely with you to ensure you get the best solution for your tooling needs. All tooling is manufactured on state of the art CNC machinery. Every tool is balanced to the industry standard of 2.5G or better to ensure our customers get the best performance out of every custom tool. We use only the highest quality materials to manufacture our tooling. We stand behind every tool we manufacture and guarantee the highest quality American made products.



## INSERT V-GROOVE / FOLD TOOLS

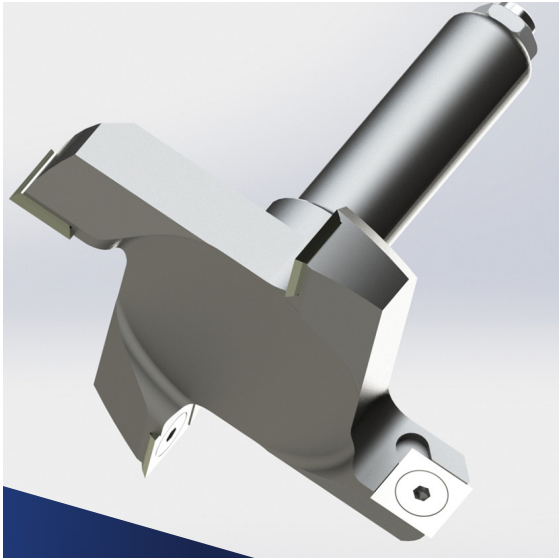
Vexor offers a wide range of V groove tools to meet your needs. We have a variety of configurations that will work in CNC's or hand held routers. Some of our key features include, double sided inserts for twice the production, and single cutting edge design which allows our tools to locate off center, resulting in perfect insert alignment every time.



Cut Depth	Cut Diameter	Shank	Part Number
0.447"	0.922"	1/2"	VEX-V-20-500
0.7242"	1.481"	1/2"	VEX-V-30-500
0.7242"	1.481"	3/4"	VEX-V-30-750
1"	2.04"	1/2"	VEX-V-40-500
1"	2.04"	3/4"	VEX-V-40-750
1.2785"	2.599"	3/4"	VEX-V-50-750
1.5398"	3.126"	3/4"	VEX-FOLD-CNC
2.25"	4.732"	1"	VEX-FOLD-XTREME-R
2.25"	4.732"	1"	VEX-FOLD-XTREME-L

## INSERT SPOILBOARD CUTTERS / SURFACING TOOLS

Vexor offers 3 standard sizes of surfacing/rabbeting tools for your CNC or hand held router. Designed with 4 sided 14mm inserts. Custom sizes can also be manufactured to fit just about any need.



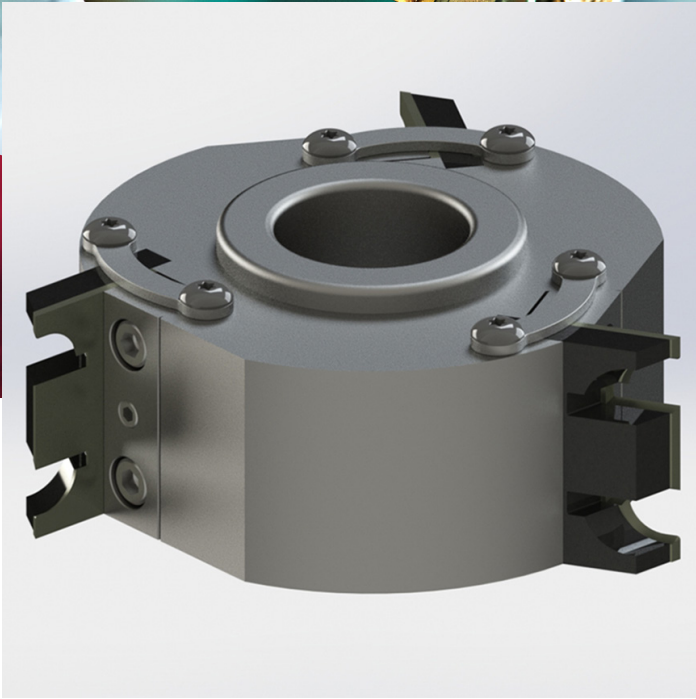
Cut Diameter	# Wings	Shank	Part Number
2-1/2"	3	1/2"	VEX-SUR-2-500
2-1/2"	3	3/4"	VEX-SUR-2-750
4"	4	3/4"	VEX-SUR-1



# MULTI-PRO INSERT TOOLING

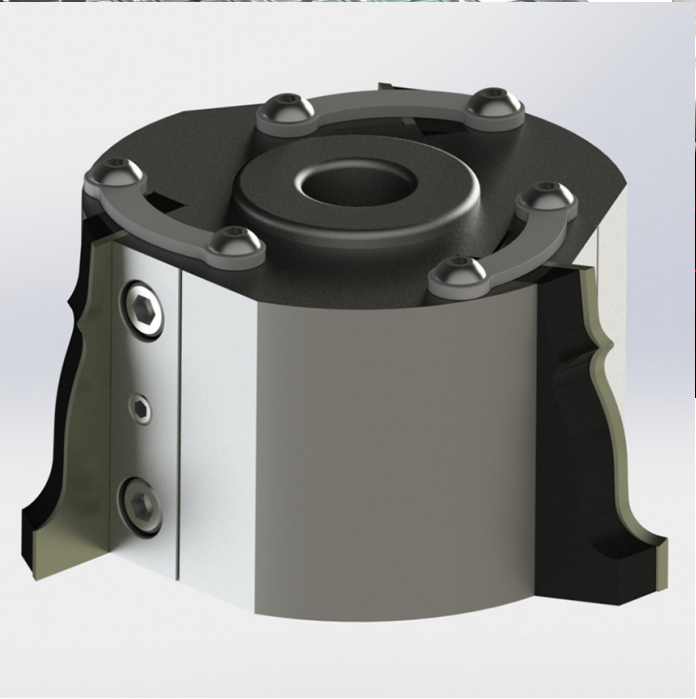
The Multi-Pro is a multiple profile tooling system designed with maximum flexibility in mind. Designed for use on a variety of machines, multi profile tooling is economical, powerful and suitable for large or small production runs.

- **Constant small diameter of 125mm (4.921”), resulting in less setup time**
- **5/16” Thick hardened profiled backer plates**
- **Unique side location plates allow you to visually see the bottom of the insert on both sides of the tool, insuring all inserts are properly seated**
- **Wedge gibb requires very little torque to tighten, thus leading to superior hold down power**
- **Shorter lead times for new profiles versus dedicated profile insert tooling**
- **Inserts and backers are interchangeable with Micro Pro, Mikron Pro, and Multi Pro CNC Router Bits**
- **Available in 1-1/4”, 1-1/2”, 1-13/16”, & 40mm bores**



Widths	# Wings	Part Number
35mm	3	VEX-Multipro-35
50mm	3	VEX-Multipro-50
60mm	3	VEX-Multipro-60
70mm	3	VEX-Multipro-70
80mm	3	VEX-Multipro-80
100mm	3	VEX-Multipro-100

\*Custom bores and number of wings are also available upon request.



Widths	# Wings	Part Number
35mm	3	VEX-Micropro-35
50mm	3	VEX-Micropro-50
60mm	3	VEX-Micropro-60

\*Custom bores and number of wings are also available upon request.

# MICRO-PRO INSERT TOOLING

The Micro-Pro insert tool is a multiple profile tooling system designed as a solution to the smaller shaper. It is available in a variety of widths: 35mm, 40mm, 50mm, and 60mm, to accommodate most profiles that you might need. They are available with bore sizes from 3/4” to 1-1/4” diameter.

The Micro-Pro can handle all of the same things you would expect from the Multi-Pro, but it is best suited for a machine that has a smaller spindle size than most.

- **Constant small diameter of 4”, resulting in less setup time**
- **5/16” Thick hardened profiled backer plates**
- **Unique side location plates allow you to visually see the bottom of the insert on both sides of the tool, insuring all inserts are properly seated**
- **Wedge gibb requires very little torque to tighten, thus leading to superior hold down power**
- **Shorter lead times for new profiles versus dedicated profile insert tooling**
- **Inserts and backers are interchangeable with Multi Pro, Mikron Pro, and Multi Pro CNC Router Bits**

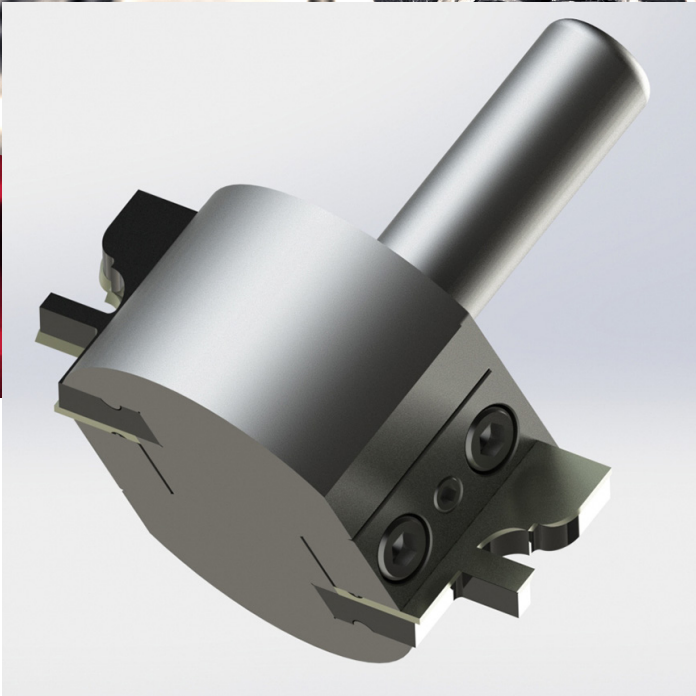


# MULTI-PRO-CNC INSERT TOOLING

The Multi-Pro-CNC is a multiple profile tooling system designed with maximum flexibility in mind. Multi profile tooling is economical, powerful and suitable for large or small production runs.

Designed for use on CNC routers. They are available in right and left hand rotation.

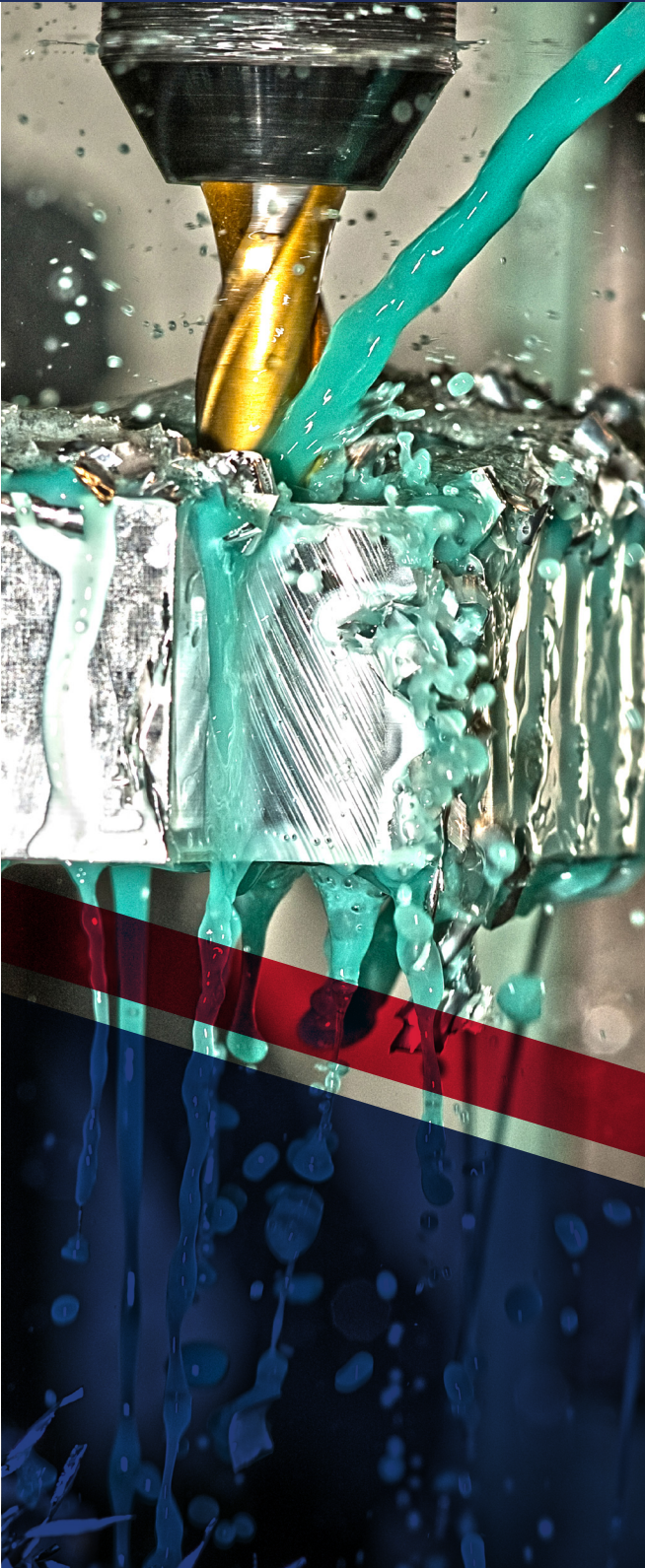
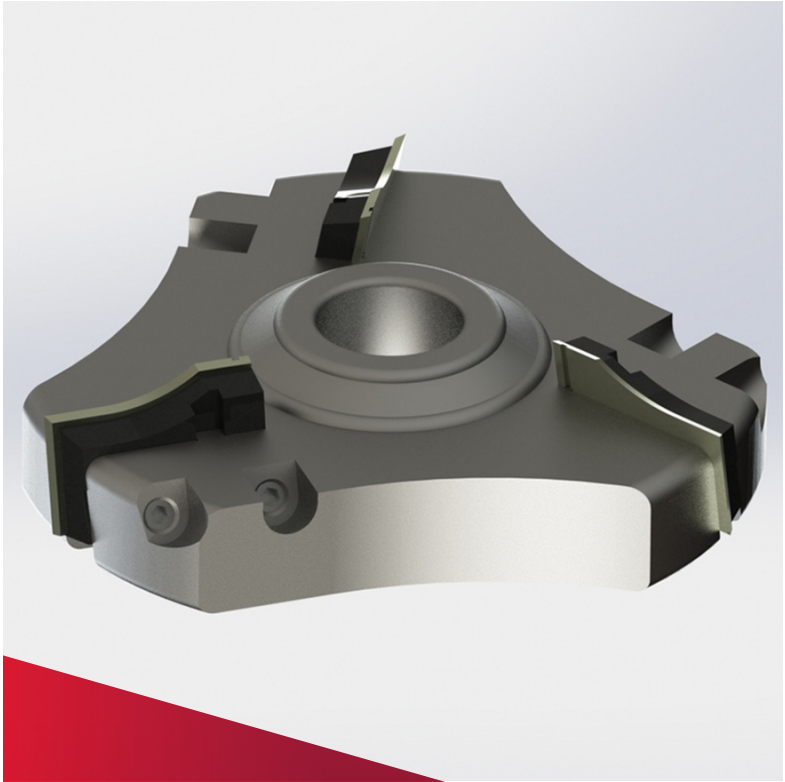
- **Constant small diameter of 69.85mm (2.75")** makes switching between profiles easier, resulting in less setup time and a constant tool offset
- **5/16" Thick hardened profiled backer plates**
- **Vexor stop plate locating system** makes for more accurate side locating, and allows for a visual of the bottom of the insert on both sides of the tool
- **Inserts and backers are interchangeable** with Multi-Pro, Micro-Pro, and Mikron-Pro tools
- **Wedge gibb** requires very little torque to tighten, thus resulting in superior hold down power
- **Shorter lead times** for new profiles versus dedicated profile insert tooling
- **Also available** in a nested base version
- **Available** in 3/4" & 1" shanks



Widths	# Wings	Part Number
35mm	2	VEX-Multipro-CNC-35
50mm	2	VEX-Multipro-CNC-50
60mm	2	VEX-Multipro-CNC-60
70mm	2	VEX-Multipro-CNC-70
80mm	2	VEX-Multipro-CNC-80
100mm	2	VEX-Multipro-CNC-100

# MULTI-PANEL-50 RAISED PANEL INSERT TOOLING

- The Multi-Panel is a multiple profile insert raised panel cutter system available in a single or double raised panel configuration.
- **Backing gibb technology.** Integrated gibb/backer design, made from 5/16" thick hardened steel with integrated safety slots
  - **Utilizing different insert lengths** with the provided rub bearings, we can achieve a range of panel profiles from 1.9375 to 3.5"
  - **Location plate side locating system** makes for a more accurate and simplified insert and backer registration
  - **Shorter lead times** for new profiles versus dedicated profile insert tooling



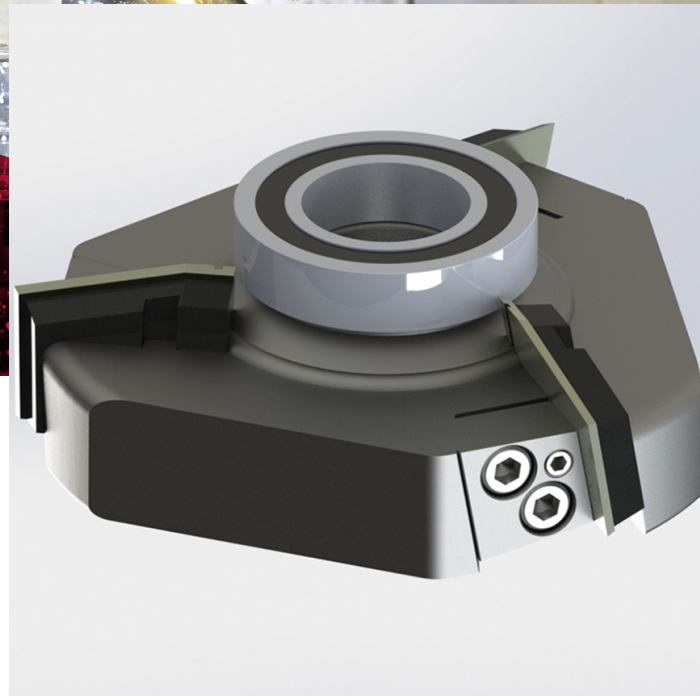
VEXOR CUSTOM WOODWORKING TOOLS IS PROUD  
TO BE LOCATED IN BEAUTIFUL DENVER, COLORADO.



## MICRO-PANEL RAISED PANEL INSERT TOOLING

The Micro-Panel is a multiple profile insert raised panel cutter system available in a single or double raised panel configuration.

- 5/16" Thick hardened profiled backer plates
- Wedge gibb requires very little torque to tighten, thus leading to superior hold down power
- Utilizing different insert lengths with the provided rub bearing, we can achieve a range of panel profiles from 1.625 to 2.7"
- Our location plate design offers simplified insert and backer registration, resulting in extremely accurate knife location
- Shorter lead times for new profiles versus dedicated profile insert tooling



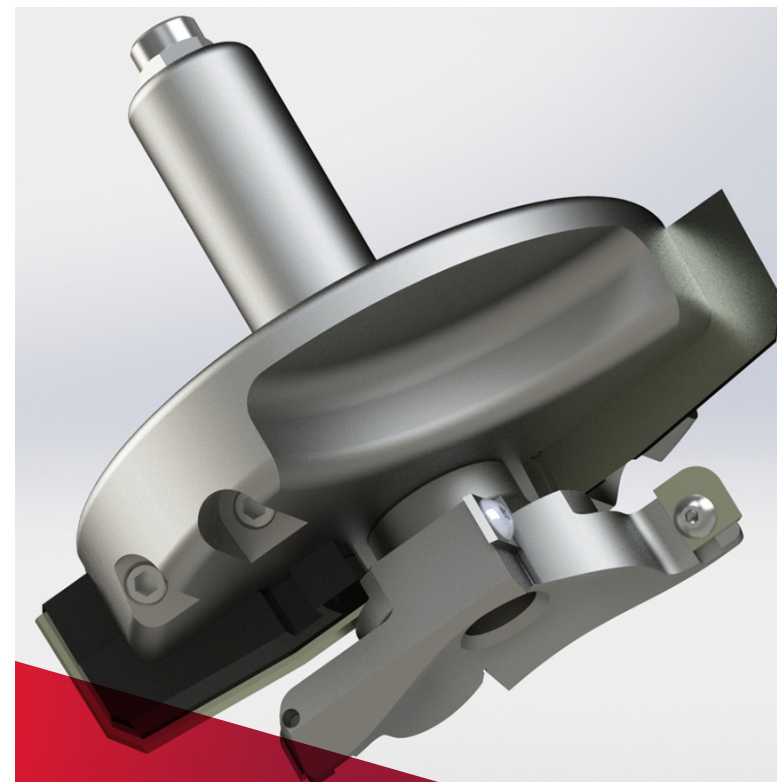
OVER 100 YEARS OF  
COMBINED EXPERIENCE  
IN THE TOOLING AND  
MANUFACTURING INDUSTRY.

## MULTI-PANEL-CNC RAISED PANEL CNC ROUTER INSERT TOOLING

The Multi-Panel-CNC is for people that want the versatility of our Multi-Panel tool, but prefer to make their panel on a CNC Router.

If you are manufacturing entry doors, cabinet doors, or both, then this is the best raised panel tool for your CNC router. Utilizing different insert lengths, we can achieve a range of panel profiles from 1-1/2" deep to 4" deep.

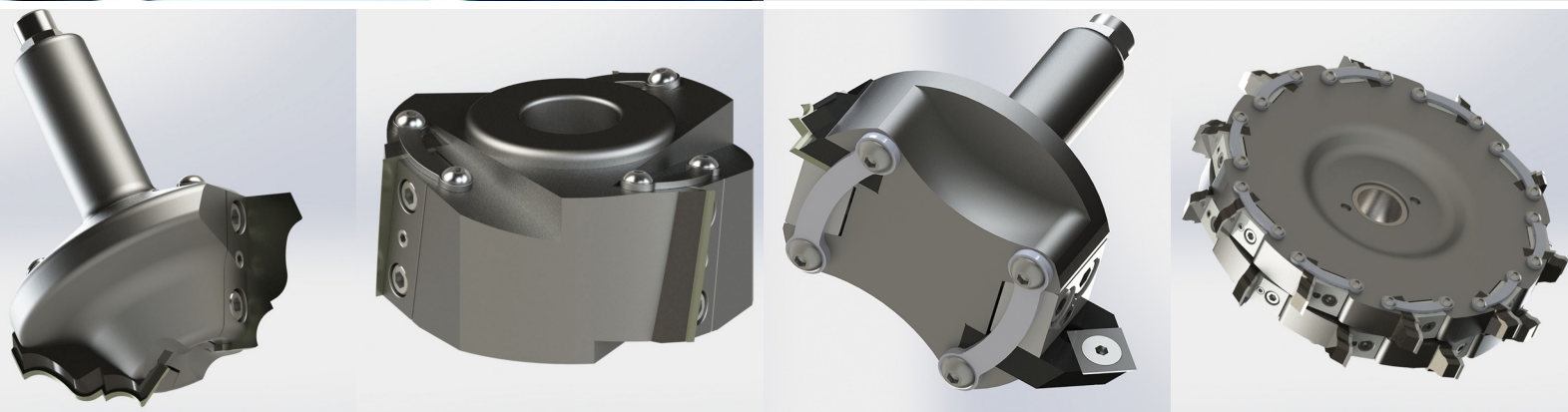
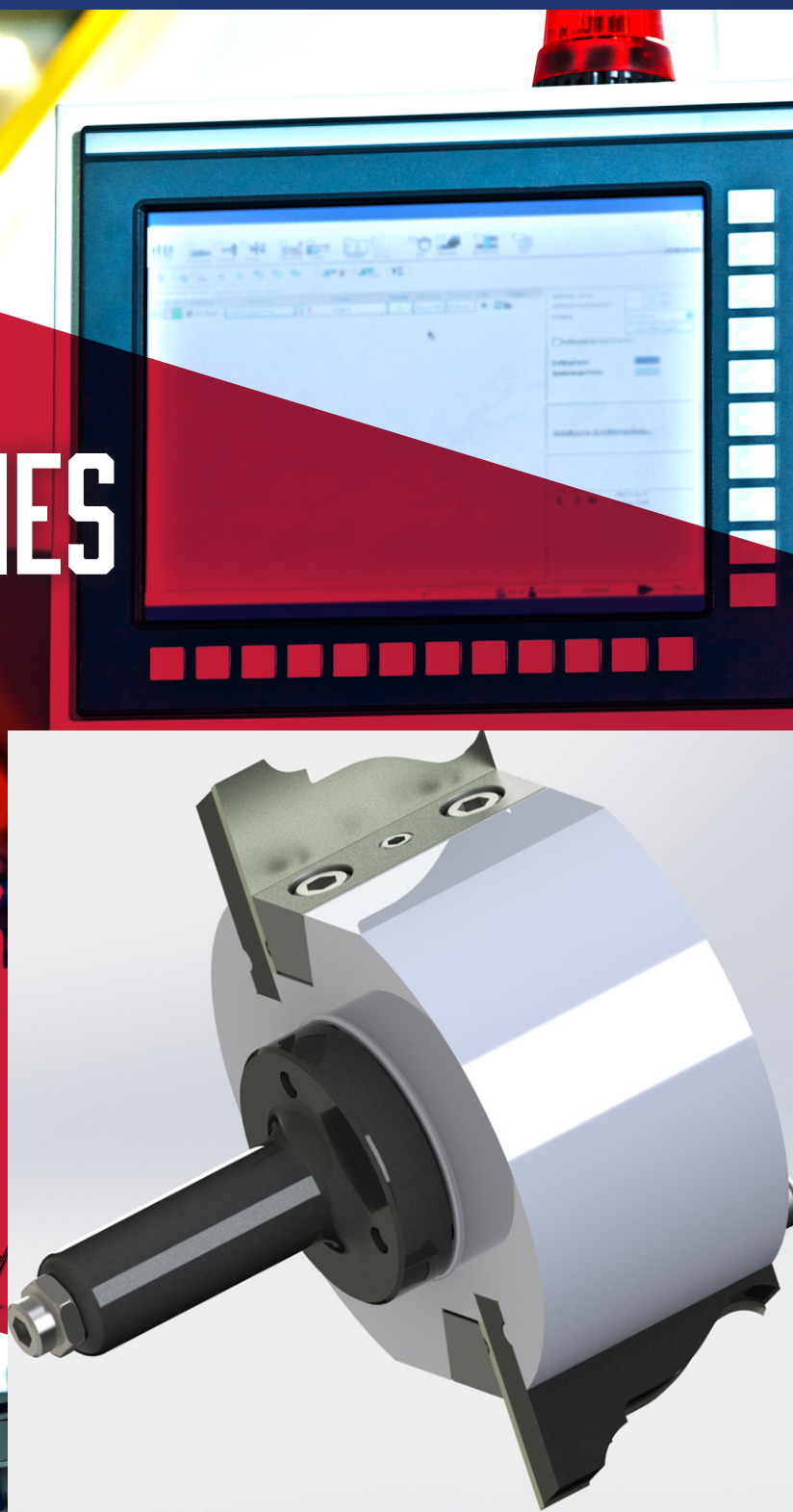
- Backing gibb technology. Integrated gibb/backer design, made from 5/16" thick hardened steel with integrated safety slots
- Shorter lead times for new profiles versus dedicated profile insert tooling
- The Multi-Panel-CNC is offered in only a 1" diameter shank
- Also shown with detachable combo back out sizing cutter for cabinet panels (Sold Separately)





# MULTI-PRO SERIES CUSTOM MULTI PROFILE INSERT TOOLING

Vexor's Multi-Pro tooling can be adapted to work in almost any machining application. Call our sales team to see how our Multi-Pro-Series of tooling can benefit your manufacturing company.



## CUSTOM HANDRAIL TOOLING

Vexor specializes in custom handrail tooling. We offer carbide tipped router bits and shaper cutters as well as insert router bit and shaper cutters for all handrail manufacturers. Whether you run your tools on a hand router, CNC, shaper, or moulder, we can help design and manufacture any handrail profile you are looking for.



## CUSTOM ROSETTE TOOLING – DEDICATED OR MULTI PROFILE

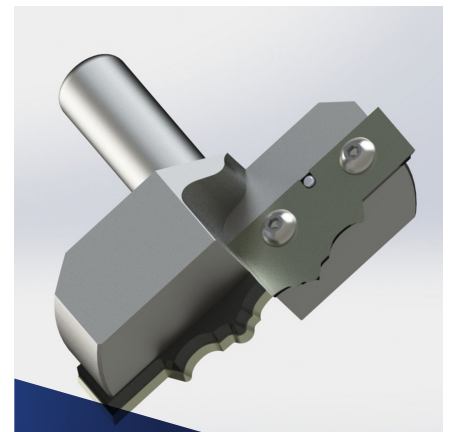
Vexor's Budget Rosette is an affordable multi profile single backer and insert tool that can accommodate a maximum cutting depth of 3/4" and up to a 4-3/4" cutting diameter. We also manufacture custom dedicated insert and multi profile 2 wing insert tools for rosettes in high production runs.



Budget Rosette



Dedicated Rosette



Multi-Pro Rosette





When Walter Orbach started Vexor in 1984, he saw the problem many woodworking companies were having trying to locate and maintain quality tools. He immediately set out to provide services to solve this problem, using the experience and knowledge he had gained from nearly 20 years in the tool manufacturing business.

## THE BEGINNING

In 1966 Walter began his career in the tooling industry with an apprenticeship at Fred M. Velepec Co. Here Walter was in charge of the production of router bits and shaper cutters. After becoming a journeyman tool maker, Walter went on to work for a number of reputable companies making a variety of different tools. This list includes Coors Ceramics and Rocky Flats, among others. These companies laid the foundation for the experience necessary to manufacture the custom tooling Vexor produces today.

Then in 1984, Walter purchased Precise Saw Works, a small business that provided saw blade sharpening. From there Walter changed the company name to Vexor, and began manufacturing a variety of different types of precision tooling. Today Vexor has grown exponentially, however the emphasis on product quality and reliability is still the main focus. This determination, combined with Vexor's knowledgeable expert staff, and the ability to cater to the customer's needs make Vexor the one and only source for custom cutting tools for the woodworking industry.





# VEXOR

CUSTOM WOODWORKING TOOLS

**Vexor Custom Woodworking Tools, Inc.**

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