

# HEGNER MACHINES

*Dear Scroller,*

What EXACTLY will a HEGNER High-Performance Precision Scroll Saw do for you?

Regardless of what you are looking for in your next scroll saw, chances are good your HEGNER will give you EXACTLY that. How can we be so sure?

Over the years, critics and customer have told us, and the rest of the world, over and over again just how enjoyable and broadly superior HEGNER performance is.

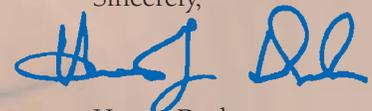
Whatever your priority — Accuracy, Smoothness, Easy Setup, Quick Blade Change, Versatility, Reliability, Durability: your HEGNER delivers it all.

And exceptional service is just as important to us as the quality of our products. Unlike local tool stores, we don't just sell equipment: we are fully committed to helping you get the results you want from that equipment. We provide you with toll-free customer assistance, service, and parts, and because we carefully choose the limited products we sell, we know them well and can help you with a level of expertise rarely found elsewhere.

Check out the information inside, call or write with any additional questions, or visit us online. Order with confidence: your satisfaction is always guaranteed at Advanced Machinery.

Treat yourself to the best! Call us today.

Sincerely,



Hanns Derke  
Vice President

## ADVANCED MACHINERY

WWW.ADVMACHINERY.COM



## A SCROLLER'S DREAM MACHINE

Listen in on discussions at craft shows, woodworking club meetings or Internet chat rooms, and you know HEGNER Saws are consistently recognized as the market standard, the saw most scrollers would ultimately prefer to own. It's been that way for more than thirty years. Hundreds of experts and, even more

importantly, tens of thousands of satisfied owners have confirmed HEGNER technology and performance as the world-wide standard of the industry.

If you've had a chance to use one yourself, you already know why: no other saw combines as many important and often unique advantages to make scroll sawing the amazingly productive and enjoyable experience it can be! Easy blade installation, long blade life, smooth and quiet operation, on-the-spot turning ability, total accuracy, long-term reliability: HEGNER offers it all.

If you need more information, visit our web site [www.advmachinery.com](http://www.advmachinery.com) or give us a call. Make your dream a reality!

## WHY ARE HEGNER SCROLL SAWS A CUT ABOVE THE REST?

### Easy Setup

Each HEGNER comes to you carefully packed, fully assembled and ready to run (saw is assembled, stand is welded), except for optional accessories. Simply read the manual, attach the saw to the stand (three or four bolts, depending on the model), tension the blade, plug your machine into an outlet, and then turn it on to start sawing!

You get 76 assorted blades to get you started and keep you sawing until you can order more of the blades you like best.

### Quiet, Smooth Operation

The following factors are responsible for the world-renowned HEGNER operating smoothness, and for maintaining that smoothness through years of use:

- **Optimal bearing selection** (durable sleeve bearings for pivots, premium anti-friction bearings in full-rotation drive assembly) for long-term smoothness and maintenance-free reliability
- **Large, powerful motor** (induction type, rarely used by others due to its cost) for reliable, maintenance-free operation
- **Oversized, balanced flywheel** for steady speed maintenance and natural counterbalancing
- **Compact drive system** (for low weight to minimize wear and vibration)
- **Pressure-cast I-beam arms** for optimum strength, flexibility, weight, and balance
- **All-cast base, mainframe and worktable** for rugged durability and effective vibration dampening
- **CNC machining** throughout for extreme precision to ensure structural integrity and proper fit of all parts





## Exceptional Cutting "Feel"

In addition to its smooth and quiet operation, your HEGNER produces its legendary "feel" by taking advantage of the following key design elements:

- **Patented, low blade-fatigue blade holders**
- **Unique arm geometry** to keep the blade essentially vertical at all times (less "chatter" and work piece lifting, more comfortable operation, and less burning of wood or melting of plastic than with conventional saws)
- **Precision-engineered "arm flex"** (to absorb sawing stresses instead of adding to operator and blade fatigue)
- **Precision-machined work table surface** (for optimal sliding friction)
- **Unique "dual dynamic tensioning"** (lets you adjust blade tension even while saw is running at full speed)
- **Optional stand** (instantly stable, space-saving welded triangular stand for optimum vibration dampening)

## Superior Results

The quality of the work produced by HEGNER High-Performance Precision Saws is acknowledged by both owners and the media as second to none. Some of the reasons why HEGNER saws consistently produce such superior results:

- **Unmatched precision** in the design and execution of the sawing frame, including arms, tension assembly and blade holders, all of which provide superior operator control and true vertical work piece edges
- **Unique blade frame geometry** (this determines the blade action, which is responsible for both the comfortable "feel" and the superb finish on the cut edges of your work)
- **Secure worktable mounts** (to maintain the table both free of vibration and at a consistent angle to the blade)
- **Unique replaceable "zero-clearance" table insert** — this unique HEGNER bonus feature on 18V and 22V models provides support for the work piece right up to the work line, dramatically increasing control for fine work and reducing or even completely eliminating tearout on the underside of any material. The replaceable table insert also prevents damage to the blade or table casting that could otherwise occur from incidental contact between the two when the blade is flexed, which is a problem on many conventional saws

## Consistent Performance over Extended Periods

Of all constant-tension scroll saws sold today, none have been on the market as long as HEGNER. Even with as many old machines as we have in service, our parts sales are less than \$1 per saw per year, proving that HEGNER is the most reliable and trouble-free brand in the industry!





## HEGNER Multimax 14E Single Speed 14" Precision Scroll Saw

The **Multimax 14E** is the updated version of the original HEGNER Precision Scroll Saw.

This no-frills HEGNER remains one of the purest cutting machines available. Its 14" throat is ample for many classic scrollsaw projects, and its thickness capacity of just under 2" easily handles even multiple layers of the 1/2" and 3/4" material most commonly used for typical scrolling.

The Multimax-14E uses a pure, unadulterated "perfect parallelogram" sawing action, keeping the blade perfectly vertical while moving it slightly forward on the sawing downstroke, creating the smooth action that reduces work piece lifting and chatter and leaving a superb finish on the sawn edges. A hold down arm is optional on this machine.



The Hegner Multimax 14e has been chosen by Better Homes and Gardens **WOOD** magazine as the editor's choice Top Tool!



## HEGNER Multimax 18V Variable Speed 18" Precision Scroll Saw

Our most popular model. The **HEGNER 18"** Variable Speed saw is compact, quiet, precise and versatile, lets you cut almost any material and make a wide variety of projects. It features a 400-1700 RPM variable speed motor, the unique Quicklock tension release system to make fretwork and inside cuts extremely easy, a large, precision-ground, dual-tilt, slotted saw table with machined hole for replaceable metal or plastic insert around the saw blade, plus all the other features that make HEGNER a breed apart from all other scroll saws. The hold down arm is included.



The Hegner Multimax 18V was **WOOD** magazine's choice as "best overall performer" of all major premium brands, and winner of American Woodworking's "Editor's Choice" Award!



### **ALL HEGNER SCROLL SAW MODELS INCLUDE:**

- All-cast construction
- Dynamic tensioning
- Integrated sawdust blower
- Insta-Stop safety spring
- 2 extra blade holders
- 76 assorted blades
- Hardware
- Easy instructions with many photographs
- Advanced Machinery's unmatched Four-Way Warranty Package, including Hegner's 7 year warranty against defects.



## HEGNER Multimax 22V Variable Speed 22" Precision Scroll Saw

Our largest model. The **HEGNER 22"** Variable Speed saw features a large 22" capacity to handle virtually any project size, the unique Quicklock tension release system to make fretwork and inside cuts extremely easy, the 400-1700 RPM variable speed motor, dual-tilt slotted table, plus all the other features that make HEGNER the top scroll saw choice around the world. The hold down arm is included.



The Hegner Multimax 22V was chosen by Better Homes and Gardens **WOOD** magazine for their original "Idea Shop"!



## HEGNER Polymax Eight Speed 20" Precision Scroll Saw

The Most Powerful HEGNER. The HEGNER Polymax Eight Speed 20" Precision Scroll Saw is the model developed from the original HEGNER Prototype which first entered the market in 1972. It features a 20" capacity, the most power and fastest cutting speed of any HEGNER saw, a heavy-duty cast-iron table, and a belt drive featuring four speeds and two stroke settings, resulting in a total of eight speeds to handle virtually any project. This is a machine built for industry. It is used mostly in professional shops where machines are required to run in continuous daily production. The hold down arm is included.



**The Hegner Polymax was reviewed by WORKBENCH Magazine where it was referred to as "the ultimate in tools!"**

### HEGNER SCROLL SAW SPECIFICATIONS

MODEL	Throat Depth	Thickness Capacity	Stroke Setting(s)	Motor (Induction) Amps/RPM	Table Tilt Left°/Right°	Weight (without stand)
<b>M 14e</b>	14"	1-7/8"	19/32"	2.83/1700	45/1.5	35lbs
<b>M 18v</b>	18"	2-5/8"	3/4" / 15/32"	2.83/ 400-1700 variable	45/12	43lbs
<b>M 22v</b>	22"	2-5/8"	3/4" / 15/32"	2.83/ 400-1700 variable	45/12	53lbs
<b>Polymax</b>	20"	1-7/8"	15/16" / 9/16"	3.1/ (700, 1100, 1270, 1600)	45/1.5	83lbs

**MACHINE STAND**

Machine Stand especially designed for HEGNER saws. Three-leg steel welded stands take up less than one-third the floor space of conventional four-legged stands and never need leveling. Choose from:

- 31.5" standing / stool height
- 20.25" chair height
- 24.5" high by 24.5" wide, wheel chair model

**MAGNIFIER LAMP**

Uses 22 watt circline bulb (included) and has a 5", 175% magnification, 3 diopter lens to provide shadowless illumination and magnification. 45" spring balanced extension arm. This all-metal construction includes accessory outlet at rear of base. Don't be misled by plastic imitations.

**FOOTSWITCH**

Our most popular single accessory, the Advanced Machinery footswitch enhances safety and convenience. Also useful for other power tools up to 10A! Machine is on when your foot is on the switch; off when foot is off the switch.

**DUST REMOVAL ATTACHMENT**

Attaches to all HEGNER models and your vacuum to reduce shop dust.

**DUST COVER**

Protects your scroll saw. Made of durable natural canvas. Choose from:

- Standard (14 and 18 inch saws)
- Large (20 and 22 inch saws)

**COOLANT FLUID RESERVOIR**

Includes 3 qt. tank, tubing, foot pump and exhaust nozzle to mount on hold-down arm. Useful for abrasive sawing (with water) or extensive metal sawing (with cutting fluid or oil).

**HEGNER QuickClamp**

Optional upper blade clamp aligns your blade instantly. Positive stop puts blade in same position every time, and easy-grip knob places pressure directly on the blade for slip-free tightening.



## ACCURA MK4 MULTI-FUNCTION PRECISION WORKSTATION

Imagine having the power and precision needed to make anything from an heirloom grandfather clock to a jewelry box, or even a table and chair set for the kids, all in one compact, bench-top machine! That's the HEGNER Accura MK4.



Accura shown with optional stand, sliding table, and mortising table

You can rip long boards or crosscut with the ultra-precise sliding table, shape edges with any profile you choose on the shaper, prepare mortise-and-tenon or dowel joints on the horizontal boring table, sand the edges with the disc sander, and carve the personal details with the flexible shaft, using only your HEGNER Accura MK4 and its optional accessories.

Why spend your money on individual machines that take up valuable space? With an Accura, you can do more, you can do it right, and you can do it in a corner of the garage without moving things around!

With its heavy cast base, heavy-duty bearings and uncompromising precision throughout, an Accura will provide a lifetime of valuable and enjoyable results. The MK4 allows you to rip, crosscut, shape, profile, and sand. Optional attachments enable you to also turn, bore, mortise, buff, polish, carve, or grind.

## ACCESSORIES

### SLIDING TABLE:

Improve safety and achieve precise control of your crosscuts and angle cuts. Ball bearing supported 20" crosscut table measures 8 -1/4"x13." Includes 19-1/2" precision fence.



### CUSTOM STAND:

Steel stand with a storage platform; work height of 39-3/4."

### TABLE EXTENSION:

Cast table extension. Extends ripping width to 17-1/2." Add 8-1/2" of support on the right or left of the standard table, or get one for each side!



### MORTISING TABLE:

For horizontal boring and slot mortising. Cast iron 4"x 8" table with precision slides. Includes two holddowns. 2-3/4" wide x 3" deep x 1-7/8" high cutting capacity. [See photo above].



### 51" FLEXIBLE SHAFT:

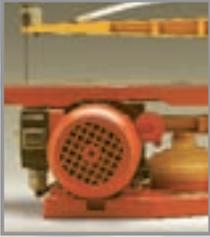
51" long with ball bearings and 8mm (5/16") chuck.

### 14" LATHE:

Ideal for turning of small parts. 14" between centers, 5" swing, machined steel bed. Includes live center, toolrest, 4-prong drive center. Attaches to right side of machine.



# ADVANCED MACHINERY PRODUCTS



**HEGNER**  
Precision Scroll  
Saws



**APOLLO**  
HVLP Sprayers  
and Spray Guns



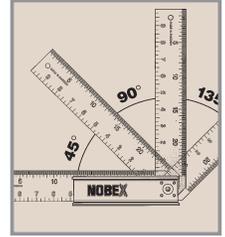
**PLANO**  
Vertical Glue  
Press



**z-Vise**  
z2 Portable  
Clamping System



**RALI**  
Quick-change  
Hand Planes



**NOBEX**  
Collapsible  
Miter Squares

ADVANCED MACHINERY  
P.O. BOX 312  
NEW CASTLE, DE 19720

## HEGNER ZFG FINGERJOINT MACHINE

Make perfect fingerjoints quickly and easily with the HEGNER Fingerjoint Machine. Forget complicated jigs and fixtures! Now you can make boxes, drawers, frames and many other projects in only minutes with one easy setup!

The HEGNER Fingerjoint Machine is quickly mounted on most tables and benches. High-quality router bits cut cleanly, while precision guides produce accurate results.

An enclosed housing design ensures maximum safety. This fingerjoint machine will let you make joints as small as 1/8" or as large as 7/16", and get them consistently perfect! Within minutes you can complete box joints for all kinds of boxes and drawers.

Get professional results with this unique machine, made with the same expertise and attention to detail as HEGNER Precision Scroll Saws.

Comes with a set of four (4, 6, 8, and 10mm) HIGH SPEED STEEL HELIFORM cutters.



## REVIEWS AND CUSTOMER COMMENTS

*"Every now and then, a tool is introduced that is an outstanding example of design and performance... a tool that does it's job so well and so flawlessly, that it renews you as a woodworker and a craftsman."* — **Mechanix Illustrated**

*"The HEGNER is, without a doubt, the best machine in my shop!"*

— John B., Massachusetts

*"The Accura MK4 is a truly amazing piece of equipment."*

— Creative Woodworks & Crafts®

*"Over the past 30 years, I have had 8 different saws, but I consider HEGNER to be the best by a great margin."*

— Phil D., Ontario

*"You should know that everyone I have talked to has been both courteous and helpful!"*

— Donna C., Calgary

Call **1.800.727.6553** (Monday through Friday 9:00 am — 4:00 pm Eastern Time)  
or visit **www.advmachinery.com**