



### HEMA ZKS-15 CHAIN MORTISER

- This machine will stand up well for most mortising operations
- Sturdy all-metal cast housing
- May require an additional guide stand for square positioning on timbers
- When using guide stand has precise vertical movement, with return assist spring and end stop adjustment
- Width of chain 28mm, length of chain, choice of 1½" or 2.0".
- Depth of cut 6 inches
- 2000W@230V
- Weight 18.5lbs/8.2kg



### SWISS KST-160 MORTISER

- Designed and manufactured in Switzerland.
- Recommended for on-the job-repairs or for the private home builder.
- Also available as our 3-in-one, multi-purpose machine for slotting, mortising clamping, etc
- Power requirement: 220/230 Volts.
- Bar and chain made by our [German chain maker – Keil](#) - to give you unrivalled, clean mortise or slot holes. Width of chain 18 mm, length of chain, choice of 1½" or 2.0".
- Depth of cut: 6½ inches
- 1200W@230V
- Weight 14.5lbs/6.5kg



### SWISS KSF-400 CHAIN SLOTTER

- Extremely well fitting ball bearing glide sleeves for accurate vertical motion
- With a unique brass guide for the bar to assure straight tracking of slot (straight down, absolutely no deviation)
- Secondary fence for slotting
- [German chain maker – Keil](#) - Bars and Chains for slotting widths of ¼" - ¾" (6 - 19 mm)
- Slotting depth 12" (300 mm)
- Robust Ryobi motor 1350W@230V
- Weight 31lbs/14kg



## SWISS SG-400/SG500 HORIZONTAL SLOTTER With Pneumatic Clamping system

- Can be used by a single person
- Simple set-up and clamping with a pneumatic cylinder
- Integrated motor drive with bar and chain system, with a unique brass guide to assure straight tracking of slot
- Can be angled up to 45 °
- [German chain maker – Keil](#) - Bars and chains for Slotting widths of 1/4" - 3/4" (6-19mm)
- Slot depths of 14" or 18" (360 mm or 460mm)
- Robust Ryobi motor 1350W@230V
- Weight 59lbs/27kg – 64lbs/2 kg



## HEMA KS-380 CHAIN BEAM SAW

- This saw's bar can swivel to either side up to 60 degrees.
- The robust design allows for continuous operation.
- Large die cast aluminium base plate ensures level support on the work piece.
- Supplied with comfortable, soft grip handles, assisting in feeding the saw.
- Outstanding motor power for deep cuts, up to 14.9 inches. Our Timber Tool exclusive: fine-cut chain, will cut almost as cleanly as a circular saw.
- 2800W @ 230V
- Weight 36lbs/16.5kg



Bandsaw with articulating arm

## HEMA ZS-20 PORTABLE BANDSAW

- Wide table, stiff frame allow high tension on the saw blade for accurate, straight cuts.
- Robust frame made of die-cast aluminium. Wheels with vulcanized and polished rubber tires.
- Dynamically balanced, with sway-dampening wheel springs and 4 wear-resistant carbide blade guides making the saw blade turn quietly, yet aggressively, through the wood.
- Optional trolley cart, articulating arm, increased cutting height from to 14" or 16"!
- 1600W @ 230V
- Weight 36lbs/16.5kg



## HEMA ZF-215 SKEW NOTCHER/ TENON CUTTER

**Cutting birds mouths, lap joints, tenons in one pass**

- Most efficiently used to cut across multiple rafter or beams
- Square your beams, mark your line, set your angle and depth and now make your cut.
- Sturdy die-cast aluminum housing for proper weight and substance.
- Accessories: 1.5/3.0m guide rail, rail extension coupling, cutter heads
- 2800W @ 230V
- Weight 49.5lbs/22.5kg



## HEMA WIDE SURFACE PLANERS

- Designed for wide surface planing of timber with power to spare
- The compact size of these planers gives you the ability to produce high quality surfaces **anywhere**.
- Leaves your work surfaces looking professional with a smooth, clean finish.
- ZBH-20 planes 205mm (8 1/16") wide.
- ZBH-30 planes 300mm(11.81") wide.
- ZBH-35 planes 350mm(13 3/4") wide.
- Robust, vibration free aluminum housing
- Handle position and large base on the hand planer assures solid tracking from start to finish.
- 2000W/2100W/2500W @ 230V
- Weight 28lbs – 35lbs – 39lbs -- 13, 16, 18kg



## ZB DRILL GUIDES

- These drill guides are precision tools designed to ensure perfectly drilled holes, every time. Accurate and quick drilling is achieved with the high quality depth gauges, retraction springs, and centering guides.
- Angled drilling is possible using the ZB 45, BST 480/580 drill guides giving you the ability to drill up to a 45° angle
- We have 5 different drill guide models to choose from: ZB10, ZB20, ZB 45, BST 480/580.
- The compact design and comfortable weight of our drill guides is ideal for mobile applications such as roof repairs or renovations, restoration, timber framing and log building.



Beam saw



Guide track



Bandsaw blade



Planer Blades



Beam tensioner

### TT Beam Saw

- Comfortable, easy handling due to side grip, rear handle with switch handle directly behind blade.
- Cuts to 5" depth, very broad base for exact linear path. With side fence, can be alternately used tracking on guide system for multiple beams, ripping tenons or gang cutting work.
- 2000W / 220V.

### Swiss Pro Guide Track

Most efficiently used with the parallel guide fence of our tools for straight line and gang cutting: for beam saw, band saw, skew notcher, from 3 ft to 10 ft long Fits Mafell, Hema, Protool, SwissPro etc

### Bandsaw blades

#### Original Uddeholm Swedish steel

- Highest steel quality, tough, resilient, rolled for longer stability. Thickness : 0,5 mm, from 6 mm to 19 mm width. Hardened and tempered teeth, guarantees highest performance.
- Cleanest cut, ideal for all types of wood, including hard wood. No more expensive to use than lower cost blades.

### Planer Blades

- Quadruple polished for extra long lasting wear for Mafell, Protool, Hema.
- **Standard Extra**, equal to HSS, lower cost, (not available for all planer models)
- **Duraforte**, with Cobalt, Molybdenum, last 5 times longer, for only double the cost

### Ratchet Beam Tensioner.

- Used for pulling beams together. This tool has forged clamp hooks for extreme toughness. Zink plated. Reversible ratchet.

## WOOD OWL DRILL BITS

### Double-Cut Ultra Smooth Augers

Two spurs, double cut edges



- Double-CUT® spurred edge design for fast, smooth cutting without resistance, our Timber Tool exclusive.
- ULTRA SMOOTH cutting for perfectly finished holes without "blow-out". Small chips, no clogging.
- BURR-FREE LEAD SCREW for easy starts and pull-through without material build-up.
- PERFECTLY CONCENTRIC shape for even and easy cutting of accurately sized holes.
- CARBON STEEL construction with precise heat-treat and hardening processes, coated with Teflon for better flowing chip ejection.
- Double-Cut augers have unique W- shaped cutting edges that are precision-ground, leaving enough steel to maintain a stiff, concentric tool. No bending or breaking with this safe, solid and durable bit.



#### Length 18"

3/8"	\$30
7/16"	\$31
1/2"	\$32
9/16"	\$33
5/8"	\$34
11/16"	\$35
3/4"	\$36
13/16"	\$38
7/8"	\$40
15/16"	\$41
1"	\$42
1 1/16"	\$49
1 1/8"	\$52
1 1/4"	\$59
1 3/8"	\$70
1 1/2"	\$73

Available also 24", 36", 48" lengths on special order



**FRÄSKETTEN**  
MORTISE CHAIN GEARS



Sharpening with proper pitch, angle

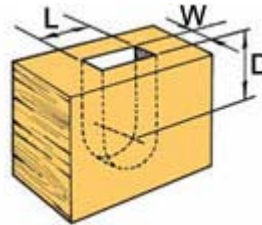


Chain lubricant

**KEIL MORTISE AND SLOTTER CHAINS**

**Top quality. Clean cut.**

- Cutting mortises into wood requires a unique and dedicated tool.
- Few makers are left in the world, but Keil has been making chains and bars in Germany for over a century. Today's chains are made with precision CNC machines. Keil chains cut the cleanest mortise!
- Available: Mortise and Slotter chains for **Mafell**, **Sauer**, **SwissPro**, **ProTool**, **Hema**, and others.
- Sharpening machines, specially designed for mortise and slotter chains.
- Use our sharpening service, to keep proper pitch, correct angle, for maximum life of edge.



When re-ordering refer to these dimensions

PITCH "A"



Choose 'A' type chains for most applications of routine mortise work with North American timbers.

PITCH "B"



Choose 'B' pitch chains for work of higher level of accuracy and precision. This chain is less aggressive and susceptible to breaking under duress.

PITCH "C"



Choose 'C' type only for extremely precise work.

**Optional:**  
**Hard Chrome Plated.**  
**Doubles time between sharpening.**

**Note:** Use our "Chain-Fit" spray to lubricate chains. It penetrates, gels, keeps chain cool. Reduces wear and tear.



Framing chisels, 2", 1½", 1"



Drawknives, 9", 12", (6", 17" not shown)



Large Slick, Scarf and Gouge Slick

## BUFFALO TOOL FORGE

### Hand Forged

- Socket handle tools follow a long tradition of turn of the 20<sup>th</sup> century fabrication all over the continent. Our hand forged tools are made in small quantity and have quickly become the choice of professional timber framers and log builders.

### Quality

- Forged from modern carbon steel, their shape and socket handle give you a satisfying handling like no other tool. Hardened and tempered to a Rockwell hardness of about 60, the edge will stay sharper, longer, than a machined tool of the same hardness, by a factor of 5:1. Yet these tools are easlily rehoned with a few strokes. 1

### Tip Guards and Holsters

- Protect your investment with a high-quality, handcrafted leather guard made of saddle-grade leather, which is stitched and riveted. Available for framing and bench chisels, slicks and draw knives. Tip guards for slicks and chisels come with ABS plastic backing inserts.

### Handles and Ferrules

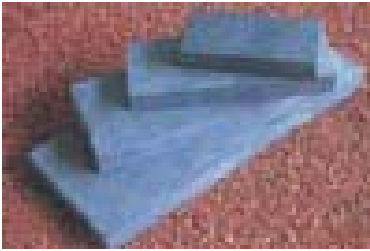
- What would the best chisel be without a matching handle? Our handles are turned from seasoned, dry hard wood: hickory, ash, oak, and custom or exotic made to order: cherry, purple heart etc. They offer a larger, palm of your hand sized grip and are treated with all "natural ingredient" [LAND ARK wood finish](#). The ferrule is slightly tapered and shaped to fit snugly just below the neck to hold the wood together under the blows of a mallet.
- We offer different styles of handles. Choose from a typical American handle, either short or long, or a Japanese-inspired one with an external ferrule on a slight taper.

### Choice of tools

- Framing chisels, 1", 1½", 2"
- Bench chisels, 1", 1½", 2"
- Large Slick, 2 "
- Scarf Slick, 3½"
- Gouge Slick, 3½"
- Western Gouge Slick 4"
- Drawknives, 6", 9", 12", 17"
- Power gouges
- Custom Forging

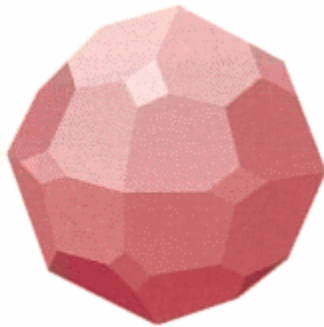


Yellow "Coticule"

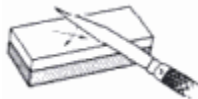


whetstone

Blue



Garnet Crystal, actual size only 10-15 microns (~3-5/1000 inch)



## ARDENNES COTICULE:

### Belgian Blue and Yellow Whetstones

- Rediscover the pleasure of sharp tools using Belgian Blue and Ardennes "Coticule", our Yellow garnet stone. Join the legions of users: violin and surgical instrument makers, wood workers, straight edge razor shavers, and many others.
- Amazing combination of speed and fineness. You may not believe it, until you see it!!!
- No burr! The remarkable cutting abilities of the stones are due to their embedded hard, rhomboid shaped garnet crystals, millions of them, which both cut and hone, rolling underneath the steel.
- So durable are these stones, you may pass them on to your grandchildren.
- Two types of stone: the blue is equivalent to 4000 grit, the yellow to 8000 grit.
- Belgian whetstones can sharpen any kind of steel, including stainless steel and high speed steel (HSS), such as knives, chisels, scissors, axes, adzes, drawknives and more.
- A legendary, natural sharpening stone known since Roman times, quarried and fabricated in the Ardennes Region of Belgium.
- We LOVE these stones. You will too.
- 

### History, Geology and Use of the Belgian Rock™ Whetstone

- The stones are quarried from 480 million-year-old grey/yellow/pink sedimentary rock which has metamorphosed from clay and volcanic ash and contains natural garnet crystals. It is non-porous.
- The source of the Belgian Coticule yellow whetstone, was long thought to have been exhausted and was shut down for 50 years.
- Recently a new, high quality whetstone was discovered with identical sharpening properties as the yellow, but it was blue in color because of iron oxide in the sediment. By mining for "Blue" stone, a small quantity of "Yellow" now becomes available, from industrial to surgical quality.
- Unlike currently popular water stones, the Belgian stone is surface whetted, never soaked in water. The stone quickly creates it's own slurry, releasing garnets, cutting and honing in the same stroke. To create a long lasting sharp edge, simply use any of your already successful techniques or follow the method shown.





Bavaria, options



Montana, with Diesel engine



Bavaria, in action



Africa, 6¼ feet wide throat

## SERRA PORTABLE SAWMILLS Heavy-Duty, High Production Mobile, Wide-band Sawmills. Made In Germany

### The Africa SL 160. For Milling Giant Logs

This is innovation: The first mobile sawmill for giant logs up to 63 inches.

### The Bavaria SL 130i. Transportable High Tech of the Highest Standard.

SERRA's mobile sawmill, with the highest production output. Ideal for continuous use, even in extreme conditions.

### Montana MD 90 / ME 90 Diesel or electric

The professional alternative at a more competitive price.

- Most efficient and productive saws on the market. Fewer handlers needed
- Wide (3½", 4", 5") saw blade technology for undulating cut
- Cut logs up to 1.6m (5ft") wide
- Controls are all at one end of the machine
- Heated handles for your comfort in winter
- Ease of operation with log lifting and manipulation
- No sawdust flying in the wind. Sawdust container empties hydraulically
- The debarker (on either side) rides along in front of the saw blade, minimizing damage to the blade from sand, stones and thick bark
- Up to four log loaders with 1.2 t capacity can be mounted
- Toe boards with log clamps
- Stainless steel bunks prevent discoloration when cutting red oak and are rounded so bark doesn't get in the way
- Squaring arms for right-angle positioning of the log
- Roller drums move the log forward or backward, also designed to help level tapered logs
- An especially wide and robust design
- Low noise, low vibration electric motors, 400V, 3-phase. Can be used in-doors. Optional diesel engine for the Montana
- We also sell diesel generators, and PTO generators to run from a tractor

## Krüsi CNC Joinery, Processing Centers Versatile, Compact, Precise and Reliable

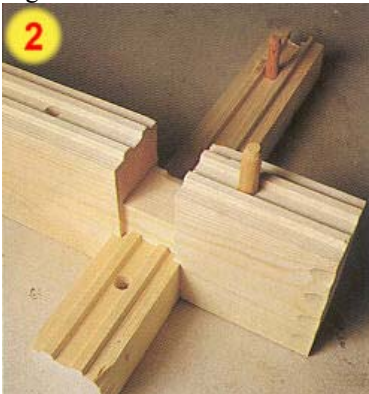
The Swiss made **Krusimatic** and **Lignamatic** are most versatile joinery machines that mill timbers for compound roof, rafter and truss construction for bridges and buildings, or do speed cutting and boring of structural building components and, of course, timber framing, even curved members. Krüsi's can accept direct output from many CAD-CAM applications, producing error-free components.



Krusimatic in-feed table



Lignamatic with tool



Saddle Notch Joinery with CM 40



CM 40

### 1. The **Krusimatic** requires little space

It is only 5 feet wide, but designed for handling material cross sections as large as 8" x 16" and nimble enough to work on 1 x 2's. All processes on the timber are performed inside an enclosure for very quiet and safe operation. All the tools are inside the cabin and operate around the timber, therefore no unnecessary transport of the timber to other operating positions is required.

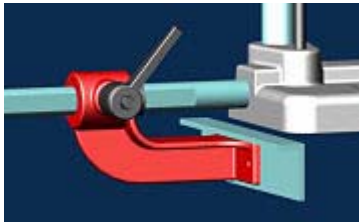
### 2. The **LIGNAMATIC** is the world's first fully automated CNC-controlled timber processing center.

With the LIGNAMATIC, you can perform joinery processes such as saw cuts, drilling, length processing, pockets, mortises, housings, chamfers, rabbets and even planing, on all timber surfaces *without rotation of the timber*. Even curved pieces can be produced.

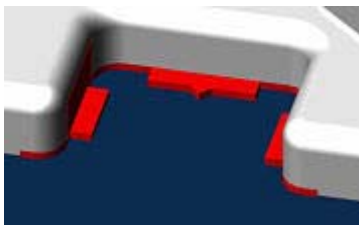
Timbers as wide as 3 feet by 5 feet can be processed individually, in pairs or in bundles. For example, a dozen rafters can be cut as one single unit, ready for installation.

**3. If you manufacture machined log structures**, our **Krüsi CM 40**, the well-tested Log Home Milling Machine, or our new **Krusimatic G2**, our new combination machine (joinery/milling) may be right for you.

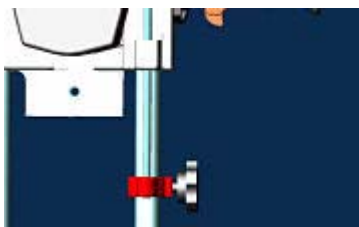
A very high efficiency is achieved by processing the logs on one machine in one passage of the log.



Rugged side fence



Adjustable scribe position



Depth stop and shock absorber

## SwissPRO Mortiser KSP 16 Professional carpentry machine for mortising, made in Switzerland

- Our most rugged, yet ergonomic machine, designed with the advice of our customers. It has the weight, the quality and substance for continuous work.
- Heavy-duty, Swiss made high torque motor provides superb, reliable power
- Toggle safety switch for comfortable and safe handling
- Adjustable fence, with large lock lever for cross-grain mortising
- Heavy duty guide posts, made of polished hard chromed solid steel
- Plunges smoothly into wood and retracts easily thanks to a rugged guide frame with gas spring assist
- Shock absorption with gas spring during plunge of bar/chain into the timber
- Bar/chain tension adjustment stabilized with solid metal key inside re-inforced housing
- Line-of-sight to chain/mortise scribe adjustment
- Bar and chain made by our [German chain maker - Keil](#) - to give you unrivalled, clean mortise or slot holes.
- Heavy-duty weight and balance
- 2200W @ 230V
- Weight 29lbs/14kg

### Accessories included:

- Side fence and guide stand
- Depth gauge
- Complete mortising set (Keil made 6" bar, 28mm wide chain, sprocket, Stauffer grease fitting, choice of 1½" and 2" sets, at no extra charge)
- Can of « Chain-Fit » penetrating lubricant
- Set of wrenches
- Mortise scribe plate
- 10 m (33') power cord