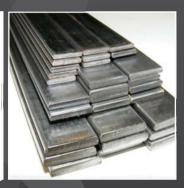
# metal craft

The Essential Range of Equipment for Crafting Metal







# Metalcraftusa Catalog\_\_\_

This catalog showcases the developments and complete Metalcraft Range of Tools.

To read additional tool information and specifications, view tool video clips, or to visit our complete line of 500+ metal stampings visit:

www.metalcraftusa.com

Wrought Iron Handicrafts 3950 10th Ave NW Rochester MN 55901

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#### **Quality, Authentic Metalcraft Tools - Shop with Confidence**

Thank you for viewing our Metalcraft Tool catalog - online version. We have been in business since 1973 and that longevity stems from having quality tools backed up with quality customer service. We appreciate our customers and look forward to long term business relationships.

NO CHINESE MADE TOOLS SOLD HERE!

Metalcraft Tool Sets

When printing out this catalog, we recommend Portrait setting along with Fit to Page.

#### WHAT IS METALCRAFT?

Metalcraft is the essential range of metal working tools and materials for crafting metal, for pleasure and profit.

You don't need the skills of a metalworker, blacksmith, or a welder to use Metalcraft tools. They are easy to operate and highly satisfying to use. Suitable for beginners and professionals alike!

Our tools will allow you to bend, shape, cut, twist, and join metal at the pull of a lever - all without the need for heat or electrical power making them safe and environmentally friendly to use.

Form metal into shapes, components, or finished projects with really impressive and consistent results.

Tools can be purchased singular or as complete tool sets.

All tools come complete with comprehensive printed instructions as well as demonstrations on DVD's, website, and YouTube channel. There are also FREE project patterns available online.

For convenience we also offer metal as well as a large variety of metal stampings to accent your designs.



#### Metalcraft is used for



#### A Craft Hobby

Rewarding for men and women who enjoy making things and working with their hands.

Appeals to those working with other crafts to combine metalwork with wood, glass, ceramics, stone, and even concrete.

Popular pastime for those in retirement and looking to stay active.

For those looking to bring in extra income.



# DIY and Home Improvement

Great for making practical and functional ideas for the home and garden.

Ideal for those tricky repairs around the house that require a custom bracket, clip, strap, hooks and fasteners.

Make endless projects to enhance your garden and property with both contemporary or classical wrought iron designs.







#### Business Start Ups and Additional Income Generator

Many customers have turned their hobby into a thriving business by selling what they make for additional income or charitable fund raising.

There are many markets in which one can sell their finished designs. Locally at garden shops, businesses catering to wedding market, elderly market who need products built to make it safer in their home and property, or sell directly to end customers through word of mouth advertising as well as utilizing eBay and other social media.

Little to no competition in a lot of areas vs. if you did woodworking only.

### Education, Training and Re-habilitation

Develops practical hands on skills but also appeals to young people's functional and creative inventiveness.

Quick and consistent results are achieved to give an instant sense of achievement.

Often used to help develop manufacturing and engineering concepts as well as being used in young enterprise initiatives which combine team skills with IT, business studies, and other useful skills important throughout a person's life. For example: a teacher has his students build 3 items of which they could keep 1 and sell the other 2. Money raised is then used to buy metal and other shop supplies.

#### Commercial Use

Metalcraft tools are used to make large scale products such as gates, fencing, railings, balustrades, furniture, and security grilles - commercial manufacture of products involving aspects of metal bar forming and shaping.

However, at the other end of the spectrum, Metalcraft tools are used to make smaller craft related consumer products such as house signs, lighting, and numerous other home and garden related products.

Also appeals to a large and diverse range of businesses involved in fabrication, engineering, vehicle repairs, maintenance work, and agricultural applications.

These are Quality Built, Authentic Metalcraft Tools sold in the USA and Canada markets since 1973









#### Which Metalcraft Tool Range is best for me?

#### **Practical Range**



Most people who purchase the Metalcraft Practical Range do so because they are looking to make smaller scale items. Often the projects desired involve small or intricate scrollwork in lighter gauge metal.

We call the Practical Range the "Family Set of Tools" as it is designed for making in home, candle holder, wall decor type projects.

If an item being made is load bearing or requires a significant degree of strength, it may have to incorporate quite a number of scrolls or jointed metalwork into the design at which case the Master or XL5+ Range may be a better choice.

#### **Master Range**



The Metalcraft Master Range works with larger size and stronger metal - up to 1" wide x 3/16" thickness on flat metal strip and it allows you to bend / roll solid square bar plus solid round rod.

Since the Master tools themselves are more robust than the Practical Range - they do require more work area. Being built heavier, that gives the Master Range greater versatility overall as they can be used to work the heavier metal as well as the lighter gauge metal associated with the Practical Range.

For commercial applications, the Master Range is a sensible entry level range.

#### XL5+ Pro Range



The Metalcraft XL5+ Range packs an amazing amount of functionality and is built for the serious professional and industrial user who requires large capacity in their metal working tools.

For commercial metal producers, fabricators, and engineering workshops.

Great value for it's money!

Complete tool specifications and video clips can be viewed online at:

www.metalcraftusa.com

Tools can be bought individually or as tool sets.

If after looking over and reading this catalog, you are still not sure what tools you may require, don't worry - we are here to help and advise.

It is important to us that we give you guidance to ensure you get the proper tools and stampings for your metalworking needs.

We will do our utmost to answer your queries and provide the support you need whether it is in deciding which tools to buy or whether you have a technical query after having purchased from us.

eMail Us at: metalcrafttoolsstampings@gmail.com Call Us at: 507-289-0836 or 800-456-7738

# METALCRAFT SCROLL BENDERS (Series 2 – Hand Drawn)



#### Metalcraft MK1/2 Scroll Bender

Complete with: Magnetic Markers Popular sizes of metal used with this bender

3/8"w x 1/16" thickness 1/2"w x 3/32" thickness

# Max scroll size produced

#### Metalcraft MK2/2H Scroll Bender

Complete with: Special Starting Lever Magnetic Markers

#### **Other Features**

Special Starting Lever is used in forming initial part of scroll when using heavier gauge material

#### Hand operated Scroll Benders for producing decorative scrolls

Create beautiful scrollwork with these easy to use scroll benders. The MK1/2 produces smaller delicate scrolls (candle holders, smaller in-home wall decor) while the MK2/2H can make up to a 5" scroll using larger material.

The Magnetic Markers allow repeatable scrolls of the same shape and size to be produced



Grip steel in center of scroll bender and hand pull metal around.



Drop in outer segment to make a larger scroll

- Easy-to-use
- Produces flat and consistent scrolls
- No pre-heating of metal
- Ideal entry level (low cost) scroll bender
- Online you can print out Scroll Outline Sheet showing size of actual scroll produced



Optional Pedestal for MK1/2 and MK2/2H Benders

Maximum size scrolls quoted are approximate due to the varying temper (spring) of steel.

Metalcraft Range of Tools are designed to work with Hot Rolled Mild Steel or Annealed metal (other materials like Aluminum or Copper may also work as long as the properties in those materials are equal to or milder than Hot Rolled steel)

# METALCRAFT SCROLL BENDERS

**SCROLL BENDERS** (Series 3 – Capstan Operated)

Professional Quality Tools that produce scrolls quickly and easily without taking up lots of bench space to operate in.

Our Series 3 Scroll Benders are designed to produce great looking and consistent shaped scrolls every time. Also available with optional tube bending components to add an extra capability to your metalworking.

The MK2/3 Scroll Bender produces similar scrolls to the MK2/2H but it's capstan operation makes it faster, easier to use, and less clear space around scroll bender is needed.

The MK3/3 Scroll Bender produces larger scale scrolls from larger material sizes. Using our magnetic markers, you can produce repeatable scrolls of the same shape and size each time.









#### Metalcraft MK2/3 Scroll Bender

Complete with: Magnetic Markers

Available with or without tubing components as shown above photo (a)

Main advantage with Capstan Operated vs. Hand Drawn is the material is drawn into the scroll bender as you turn the top handles rather than having to be drawn around the segments by hand. Thus the Capstan Operated requires less unobstructed work area.



#### Metalcraft MK3/3 Scroll Bender

Complete with: Interchangeable segments to produce a whole range of scroll sizes and shapes.

Available with or without tubing components as shown above photo (a).

#### **Other Features**

Can also work material with fish tail ends.

Capstan operated so metal is drawn into the scroll bender as you turn the 3 top handles.

# METALCRAFT SCROLL BENDERS (Series 3 – Capstan Operated)



# MK3/4 Scroll Bender - the ultimate scroll bender to compliment your other Metalcraft Pro XL Tools.

The MK3/4 version is a mighty scroll bender which produces very large scrolls out of some impressive metal profile sizes.

Available with or without tubing components as shown in photo (a)

#### Metalcraft MK3/4 Scroll Bender

Complete with: Interchangeable segments to produce a whole range of scroll sizes and shapes.

Available with or without tubing components as shown above photo (a).

#### Other Features

Rapid locking system

Easy scroll release

Handle extensions for added leverage when working with larger material

Allows forged fish tail ends to be scrolled







Shown on MK2/3, open out segments and locate end of flat strip metal in central locking/gripping system.



Shown on MK3/4, set guides on pressure roller and move roller in towards the center of scroll bender.

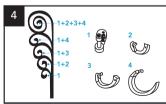


Maximum size scrolls quoted are approximate due to the varying temper (spring) of steel.

Metalcraft Range of Tools are designed to work with Hot Rolled Mild Steel or Annealed metal (other materials like Aluminum or Copper may also work as long as the properties in those materials are equal to or milder than Hot Rolled steel)



Shown on MK3/3, rotate handles clockwise to form scroll. Once completed, lift handles off base and remove completed scroll.



MK3/3 and MK3/4 Scroll Benders have interchangeable scroll segments to allow different scroll shapes to be made.

#### METALCRAFT PUNCH AND SHEAR TOOLS

Dual function hand operated tools for CUTTING & PUNCHING

Available in both the Practical and Master versions, these robust machines are the work horses of the Metalcraft Range of Tools.

Cleverly combining a round hole punching capability into flat strip metal with a shear action to cut flat strip metal, solid round rod, and solid square bar to length.

Quality Built Tools for use in any DIY, training, or production environment.





The hole punching capability is utilized to punch screw fixing holes, compliments the riveting feature in the Metalcraft Rolling/Bending/Riveting tools by providing the hole to locate the rivet, punch holes for using nuts & bolts, and punch holes for use with welding.

These tools are specially machined and hardened for the task.

Since both the Practical and Master Punch and Shear tools are portable and require NO electrical power, they are well suited to "on-site" work.



#### Metalcraft Practical Punch and Shear Tool

Complete with:
1 size Punch Block/Pin
(1/8")
Measuring Device
Extra Punch Pin
Allen Keys

#### **Other Features**

Adjustable punch platform 4 available cutting edges on lower shear blade.

See website for complete description, videos, and max working capacity.



#### Metalcraft Master Punch and Shear Tool

Complete with: 3 sizes punch blocks/pins (1/8", 3/16", and 1/4") Measuring Device Extra Punch Pins Allen Keys

#### **Other Features**

Adjustable punch platform Double acting push/pull lever

2 available cutting edges on lower shear blade

See website for complete description, videos, and max working capacity.

#### **METALCRAFT PUNCH AND SHEAR TOOLS** Operations and Features



Punching is achieved by placing flat metal srip in the slotted punch block. Platform is adjustable to allow for accurate positioning along the center of different widths of metal.



To shear, material is placed in gap between lower shear blade and upper shear blade. Simply operate lever firmly and smoothly to shear.



- Easy to operate
- Rugged cam lever action which punches and cuts.



#### **Master Measuring Device Practical Measuring Device**

This feature will enable you to achieve consistent cut lengths of metal every time.

Also allows you to produce accurate distances between your punched holes OR the center of a punched hole to the end of the metal.





#### METALCRAFT ROLLING/BENDING/RIVETING TOOLS

Triple action hand operated tools for rolling, bending, and riveting flat metal strip, solid round rod, and solid square bar.

#### To weld or not to weld?

Metalcraft's riveting system provides a safe, strong, and authentic way of joining flat metal strip together for beginner and professional alike. Naturally those with welding equipment may opt to weld their metalwork together and depending on the application, welding may be required, particularly in commercial use.









#### Metalcraft Practical Rolling/Bending/Riveting Tool

(see website for complete description, videos, and max working capacities)

#### **Improved Tool**

Upgraded Tool, now makes forming repeatable curves and circles even easier.



Metalcraft Master Rolling/Bending/ Riveting Tool Available with or without the Micro Bending Kit



Metalcraft Master Rolling/Bending/Riveting Tool with Micro Bending Kit Micro Bending Kit allows for even tighter bends, radius bends, and free form progressive bends.

# METALCRAFT RBR TOOLS Operations and Features

#### Easy-to-use No pre-heating of metal required when riveting, bending or rolling



Riveting is simply achieved by placing the material to be joined (with rivet in pre-punched hole) between the riveting posts on the machine. Use the lever to squeeze up the rivet to form a strong joint.



For the bending operation, material is placed between the square or diamond shaped former and the side rollers.

Operate the lever to gradually bend to required angle.



Rolling is achieved by using the winding handle to drive the bar forwards and backwards through the rollers. As this is done with each pass, the long lever is used to gradually increase pressure to roll an ever tighter curve. End stop screw and nut fitted for producing consistent bends and circles/arcs when rolling.

Riveting provides a quick, safe, and easy way of joining flat metal strip and scroll work together without the need for an electrical power source. The finished job gives an authentic and traditional appearance.

The Bending function is a useful feature for shaping components out of flat metal strip, solid round rod, and solid square bar. Essential tool in the production environment.

The Rolling feature on the RBR tool enables circles and arcs of varying radii to be easily and consistently rolled without the need for pre-heating of the material.



# You can now do tight intricate bends.



You can also now for the first time produce rounded bends.

## The NEW Master RBR Micro Bending Kit

This set comprises of 2 dual function drop on dies which can be used with 3 new bending heads and the existing diamond shaped bending head to increase versatility of the Master RBR Tool.

The Micro Bending Kit will allow you to make tighter bends, radius bends, and also allows free form progressive bending.

The Master RBR Micro Bending Kit can be purchased separately and will fit previous models of the Master RBR Tool.

P015

#### METALCRAFT TWISTERS

Add a twist to your metalworking!

Add that subtle twist to your ornamental ironwork with our range of twisters - the only way to achieve consistent and even spaced twists in flat metal strip and solid square bars.



# Use gripping bolts in collar and in the slide to set the section that you want

to twist.

#### Metalcraft Practical Twister

Complete with: Boss and Slide adaptor to allow rapid twisting. As shown above, the Boss and Slide unit allows twists to be inserted in a length of flat metal strip which has scrolls already formed at each end of the metal.

Handy feature.

# Our Master Twister is the ideal mid range twister for metalcrafters





Slender decorative baskets can be made from clusters of welded bars with our Basket Making components.



#### Metalcraft Master Twister

Hand operated metal twisting tool that allows one to put twists in flat metal strip as well as solid square bar.
Preheating of metal is not required!

# Available With or Without the Basket Making attachment

The Basket Attachment adds a lot of versatility to the Master Twister which explains why the majority of Master Twisters purchased include the Basket Attachment.

#### **METALCRAFT** XL TWISTER - for HEAVY DUTY TWISTING!



The Metalcraft XL Twister is available with an optional Basket Making attachment - allows one to produce top quality, robust baskets.

#### Metalcraft XL Pro **Twister**

(see website for complete information, videos, and max capacities)

Available With or Without Basket Attachment. 1 1/2" wide x 5/16" flat strip metal can be twisted along with 5/8" solid sq.

25kg







Metalcraft XL Pro Twister with Basket Attachment

Basket attachment increases the capability of the XL Pro Twister.

Can be utilized as the XL Pro Twister or fitted with the special gripping basket attachment to allow forming of baskets from pre-welded clusters of solid square bar or solid round rod. (2 sizes of clusters fits 4 pieces of 1/4" or 5/16" square or rod)

\*Longer twists can be achieved with care by moving twisted section through the machine and then twisting the next section.

#### METALCRAFT XL5+ PRO METAL BENDER TOOL

In the XL5+ Tool we have combined the Rolling, Bending, Riveting, Punching, and Shearing functions into one amazing tool!

Please read more in this online catalog as to what this tool will allow you to do PLUS check out our website www.metalcraftusa.com for video clips and additional tool information/specifications.

While impressive as it is, this tool also has 5 optional add on kits available.

#### The essential tool for:







#### Metalcraft XL5+ Pro Metal Bender Tool

(see website for complete description, videos, and max working capacities)

5 functions combined into the XL5+ Tool. Rolling Curves and Circles Bending Riveting Punching Holes Cutting Metal (flat strip, square & rod)

#### **Comes with:**



Comes standard with dual 3/16" and 1/4" punch block and 2 pins each size. Also available is a dual 1/8" and 4mm punch block and pins.



Lockable Base - for use in a horizontal or vertical position.



Measuring Bar for accurate and repeatable punching and shearing functions.

#### METALCRAFT XL5+ PRO METAL BENDER TOOL

All functions shown below are performed cold WITHOUT the need for heat, power, or welding.

#### 1 PUNCHING

Punch 3/16" and 1/4" round holes with reversible dual punch block. 1/8" and 4mm punch block also available.





XL5+ Dual Punch Block

#### 2 SHEARING

Cuts flat strip metal in one location and just above that is separate blade aperture to cut solid round rod & square bar.





#### 3 RIVETING

Produces strong authentic looking ornamental joints using steel rivets. A useful alternative to welding when availability of welding equipment is an issue.





Various sizes of solid steel flat head rivets available.

#### 4 ROLLING

Roll arches, curves, and complete circles in flat strip and solid square bar by driving steel backwards and forwards through rollers.





Rolling can be done in horizontal or vertical position.

# 5 BENDING (Single Pass)

Bending completed in a single pull of a lever. Bends up to 60 degree angles in material sizes up to 1/2" thick. Bends up to 90 degree angles in 9/16" and 5/8" thicknesses.





# 5+ BENDING (Progressive)

This extra feature allows gradual bending of even larger steel sizes into curves. Carried out by applying large bending power at increments along the length of metal. Handles variety of metal including: angle iron, T-section, square tube, square bar, channel, and handrail profile.

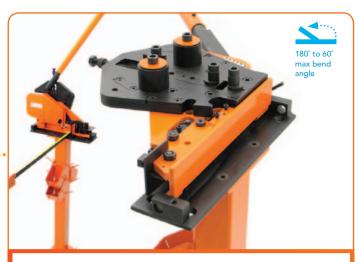




#### XL5+ PRO METAL BENDER TOOL

## NOW if you thought that was impressive...

Take a look at these 5 add-on XL5+ option kits. You can buy them individually or in any combination to make the XL5+ Metal Bender Tool even more versatile and a must for your workshop.



#### Metalcraft XL5+ Pro Metal Bender Tool with all 5 options

Save money by buying the tool and all 5 options together.

#### **OPTION 1 PEDESTAL**



A strong and stable platform that bolts to a solid floor for optimum use of the tool compared to bench mounting. Allows all around accessibility. Supplied with 2 handy storage bins and hooks to keep essential components close at hand.

#### **OPTION 2a EMBOSSING**

Embossing provides a patterned decorative edge to your flat metal strip, solid square bar, and square tubing. This feature is done cold



using a pair of forge blocks (provided) which give you the option of producing "scalloped" or "nicks" embossed patterns.

#### **OPTION 2b END FORGING**

Using the forge blocks provided in this kit you can produce decorative crimped fish tailed ends to your flat metal strip, solid square bar, and solid round rod. Please note, this function



requires the ends of the metal to be preheated and tapered. A large and small crimp pattern is provided - which one used depends on size of metal being worked.

#### **OPTION 3 EDGE BENDING**



Simple but effective special bending pillar allows gradual and sharp angles in flat metal strip to be bent on edge. Very useful feature.

#### **OPTION 4 TUBE/ROD ROLLING**

Very popular! This kit provides 5 sets of rollers along with a special winding handle to allow you to roll arcs, curves, and circles in



round tubing and solid round rod. 5 sizes of rollers included are:

1/2", 5/8", 3/4", 7/8", and 1"

#### **OPTION 5 MICRO BENDING KIT**

A clever little extra kit that allows you to form tight bends. It is really handy for producing decorative collars around joints and scrollwork using special profile material.



#### **SPARE PARTS (CONSUMABLES)**



Metalcraft Practical Punch Pin.



Metalcraft Practical Punch Block (v2)



Metalcraft Practical Punch Block (v3)

#### **SPARE PARTS**

We carry a large number of spare and consumable parts to keep your Metalcraft Tools running year after year.

\*\* had a customer contact us with a tool that was 20+ years old and a number of parts had been lost - we had the parts and the tool was restored to working condition \*\*



Metalcraft Master and XL Punch Pin 3/16" dia.



Metalcraft Master and XL Punch Pin 1/4" dia.



Metalcraft Master and XL Punch Pin 1/8" dia.

Shown on this page are just a few parts. When tools are shipped out, we enclose a separate parts list for each tool (please save these for future reference) but we don't have a separate price list as we don't have many part orders come in. To find out the price of any spare part, please call us or email us with the part number.



Metalcraft Master Punch Block 3/16"



Metalcraft Master Punch Block 1/4"



Metalcraft Master Punch Block 1/8"

metalcrafttoolsstampings@gmail.com 507-289-0836 800-456-7738



Metalcraft Master and XL Punch Pin 4mm



Metalcraft Master Punch Block 4mm



Metalcraft XL Punch Block 3/16" and 1/4"



Metalcraft XL Punch Block 1/8" and 4mm

#### **METALCRAFT OPTIONAL EXTRAS**

This Metalcraft Workbench only takes minutes to assemble but provides a strong and sturdy platform for use with any of our Practical or Master tool sets.

Workbench can also be utilized as a secondary work station to hold pieces as you create your designs.

Easy to assemble as the workbench uses a strong interlocking (bolt-less) framework. Purchased as frame-only, then you add the 2 wood pieces of wood to complete your bench.

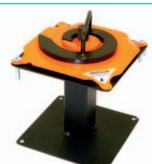
Bench can then be bolted to the ground or if that is not an option, you can place plenty of ballast weight (175 lbs. minimum) to prevent workbench from sliding on the surface of your floor.







Metalcraft Tool Bench 48 1/2"L x 30 1/2"w x 36 3/8"h approx. size. Powder coated Orange color. Minimal assembly required.



This Mini Pedestal is a great optional extra as it allows easy scroll forming on a bench. No need to buy a vice or use wooden blocks to raise MK1/2 and MK2/2H off your workbench.

Allows for quick removal/swap from one scroll bender to another using the wing nut & bolt fittings supplied.

Metalcraft Mini Pedestal is used to raise MK1/2 and MK2/2H Scroll Benders off workbench.

5 7/8"L x 5 7/8"w x 5 1/2" h Powder coated Black color. Plates are 1/8" thickness Comes with 2 bolts/wingnuts

#### **METALCRAFT OPTIONAL EXTRAS**



Metalcraft Practical Punch/Shear Measuring Device. Fits virtually all current/previous models. This option makes it much easier to cut and punch accurately and repeatedly.

Increase the capability of your Metalcraft Tools with optional extra add-ons.

For full information on what these optional extras can do and see how they work - go to: www.metalcraftusa.com



Metalcraft Master RBR Micro Bending Kit. Fits virtually all current/previous models. Create tight intricate bends, radius bends, and allows the ability for free form progressive bending.



Metalcraft MK2/3 Scroll Bender Tubing Components. The Metalcraft Scroll Bender Tubing Components allows you to bend round tubing up to 180 degrees. Fits virtually all current/previous models.



Metalcraft MK3/3 Scroll Bender Tubing Components.



Metalcraft MK3/4 Scroll Bender Tubing Components.



Metalcraft Basket Making Attachment for XL Twister. Fits virtually all current/previous models. Create robust (more rounded) baskets vs. the Master Twister with Basket Attachment.



Metalcraft XL5+ Pro Metal Bender Option 1: Pedestal



Metalcraft XL5+ Pro Metal Bender Option 2: Embossing & End Forging Kit



Metalcraft XL5+ Pro Metal Bender Option 3: On Edge Bending Kit



Metalcraft XL5+ Pro Metal Bender Option 4: Tube/Rod Rolling Kit



Metalcraft XL5+ Pro Metal Bender Option 5: Micro Bending Kit

#### **METALCRAFT TOOL SETS**

# SAVE \$\$ and buy all the tools you need to get started in one easy step.

By choosing one of the tool set packages, you will have a complete set of tools to get your Metalcraft projects underway PLUS save money over buying the tools individually.

For full specifications of each tool or to view the tools in action, please refer to our website:

www.metalcraftusa.com







#### **METALCRAFT TOOL SETS**

# **Tool Set Master V2**

Master Tool manual also included Tool Set packages are individual tools grouped together based on their metal working capacities.

#### Now comes with the

Master RBR Micro Bending Kit

Differences between Master V1 and V2:

V2 contains Master Twister with Basket Making Attachment



