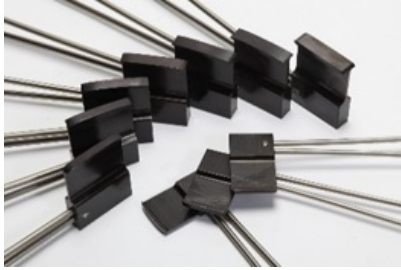






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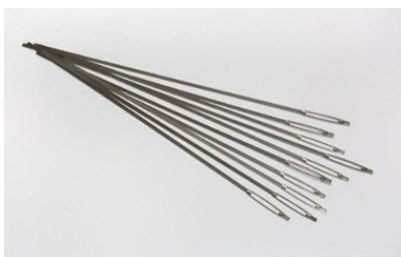



# Hand Tools and Accessories for Electric Motor Repair and Manufacture


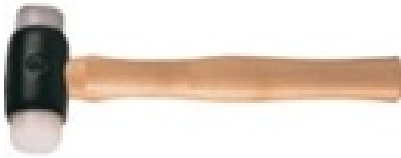

<http://www.whitelegg.com/product-search/hand-tools-and-accessories-for-electric-motor-repair-and-manufacture>




**Whitelegg offer a wide range of hand tools and accessories to make the job of rewinding old motors easier and allowing the operator to produce a better rewind. Equally, many of the items can be used when manufacturing new motors.**

HT-WITH-SC		Wire Inserting Tools (slot closures) in 10 different widths 3-12mm, with handles
HT-WPT-SET		Insulation and wire pressing tool complete with six inserts, 3.0mm wide, 4.0mm wide, 5.0mm wide, 6.00mm wide, 8.0mm wide, 10.0mm wide



HT-WIS		<p>Wire Inserting Tools. Made from top quality silver steel with plastic handles.</p> <p>For cleanly inserting wire into stator slots and pushing them down to allow for insertion of slot closures. 10 different widths 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 6.0, 7.0, 8.0 and 10,0mm</p> <p>HT-WIS-SET for full set and a wall mounted holding rack is also available (HT-WIS-RACK)</p>
SCF		<p>Slot Closure Feeder. This useful tool grips flat or shaped slot closures of any length to be fed through the slot. The instrument pushes the wire down to make space as it goes through. Length 360mm. 300grams.</p>
HT-WP		<p>Winders pliers. Precision made pointed nose pliers with a double bend. Ideal for reaching into stator slots to pull through insulation pieces and slot closures.</p>

WCS		<p>Wire Cutting Scissors  <b>WCS</b> Wire Cutting Scissors for cutting small diameter wires. Suitable for wire up to 1mm diameter. Strong pivot mechanism. Powerful long handles and short blade. Blade is serrated for extra grip and integrated notch provided for wire and cable location cutting</p>
TN		<p>Taping Needles. Round wire 0.5, 0.7 or 1mm, set of 10.  Made from galvanised steel wire. Makes taping a much easier process.  Available in strip or round wire configurations</p>
CTT		<p>Coil Tying Tools. Speed up the laborious job of tying stator coils with this tool.  Available as 4 or 5mm straight</p>
CTT		<p>Coil Tying Tools. Speed up the laborious job of tying stator coils with this tool.  Available as 4 or 5mm curved</p>
HT-COCL		<p>Coil Clips.  Quick acting removable coil clips, specially made for holding coils firm while they are transported from the winding machine to the work piece.</p>

<p>HT-WIST</p>		<p>Winding Sticks. Compressed nylon made in four different sizes and shapes. Very useful for guiding windings into stator slots or for guiding wire whilst winding coils, to push the wire into the corner of a former.</p> <p>HT-WIST-01 Winding Stick 8 x 8 x 185 mm  HT-WIST-03 Winding Stick 15 x 10 x 195 mm  HT-WIST-03 Winding Stick 15 x 10 x 195 mm  HT-WIST-04 Winding Stick 24 x 15 x 255 mm  HT-WIST-SET Complete set of four winding sticks</p>
<p>THHNY THHRW</p>		<p>Mallets. Robust and well engineered mallet with exchangeable and replaceable inserts. Especially useful in beating down winding heads in stators when rewinding to make space for the next coil group. The malleable iron head of the mallet is head together by a single screw. Inserts are available from nylon and rawhide. Head diameters 32, 38, 44, 50 and 70mm available.</p>
<p>HT-CH</p>		<p>Coil Shaper. Heavy duty tongs supplied with plastic coated jaws to prevent any damage to the wires. The jaws are curved to give the coils a radius</p>

HT-WT		<p>Wedge Inserting Tools. Serrated blade and long handle aid insertion.  HT-WT-01 Wedge Inserting Tool with 1.5mm thick blade  HT-WT-02 Wedge Inserting Tool with 1.0mm thick blade</p>
HT-SWS		<p>Slot wedge shears with adjustable stop. Cuts wood and plastic slot wedges. Does not splinter wooden wedges. An adjustable stop can be set in seconds to give a repeatable length.</p>
HT-SWCS		<p>Slot wedge and closure shear. Robust steel construction with a special cutting blade. For bench mounting. The shear has three cutting holes 6, 10 and 14mm diameter. Designed to accommodate a wide range of slot wedges and pre-formed closures form wood, fibreglass, myalr etc. A quickly adjustable stop allows repeatability. 50 x 20 x 15cm. 5kg</p>

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ICM1		<p>Insulation Creasing Machine. For manual throughput of the insulation via a hand wheel.</p> <p>Robust and very heavy cast iron base.</p> <p>Maximum insulation width 200mm.</p> <p>Strip length is unlimited. Insulation thickness 0.15-0.8mm.</p> <p>Dimensions: 210 x 300 x 220mm. Weight: 9kg</p>
ICM1A		<p>Insulation Folding Device. Designed for accurate and quick folding of insulation material. For mounting onto a wooden workbench with screws or bolts</p> <p>With quick adjustment of the folding position via front facing rotary dial.</p> <p>Unique design allows insulation material to be passed through the folding device for unlimited folding length</p>



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WHG







Insulation Cutting Guillotines.  
Various sizes available for mounting on a workbench or floor standing. Maximum cutting width 1100mm.  
Standard and heavy duty versions available for cutting harder materials






ICS		<p>Insulation cutting scissors. Available with curved or straight blades and long or short cutting blades.</p> <p>Part No: <b>ICS-C-01</b>. Insulation Scissors.  <b>Curved Blade</b>. Long Blade. Total length including handle:160mm. Cutting length: Approximately 60mm</p> <p>Part No: <b>ICS-C-02</b>. Insulation Scissors.  <b>Curved Blade</b>. Short Blade. Long Handles. Drop-forged from special tool steel and specially hardened. Bright finished head, painted handles. Total length including handle:180mm. Cutting length: Approximately 35mm</p> <p>Part No: <b>ICS-S-03</b>. Insulation Scissors.  <b>Straight Blade</b>. Short Blade. Long Handles. Drop-forged from special tool steel and specially hardened. Bright finished head, painted handles. Total length including handle: 180mm. Cutting length: Approximately 35mm</p> <p>Part No: <b>ICS-S-04</b>. Insulation Scissors.  <b>Straight Blade</b>. Long Blade. Total length including handle:180mm. Cutting length: Approximately 70mm</p>
EWS-L		<p>Insulation strippers. The integration speed control potentiometer for stripping enamelled insulation from round copper conductors. Runs direct from the mains without a transformer.</p> <p>HT-EWS-L-01 Wire Stripper. Wire range 0.2 - 1.4 mm</p> <p>HT-EWS-L-02. Wire Stripper. Wire range 0.3 – 4.0 mm</p> <p>Exchangeable blade sets and complete head available.</p> <p>230V single phase supply required.</p>








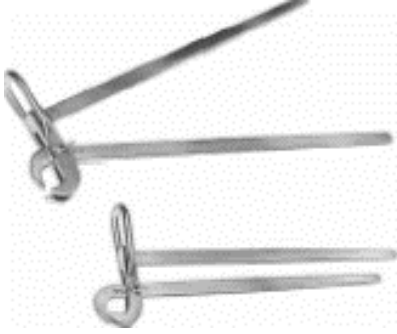
IS-5		<p>Heavy Duty wire stripper. For larger wire diameters and high use applications. 300W motor.</p> <p>For wire diameters up to 7.0mm. Different stripping heads can be fitted to suit.</p> <p>Part No: IS5-KG0 Stripping head 0.2-0.75mm</p> <p>Part No: IS5-KG1 Stripping head 0.75-1.5mm</p> <p>Part No: IS5-KG2 Stripping head 2.0-4.5mm</p> <p>Part No: IS5-KG4 Stripping head 4.0-7.0mm</p> <p>230V single phase supply required.</p> <p>Available with holder for mounting onto a table for ease of use</p>
EWS-A		<p>EWS-A Insulation strippers for removing enamel from round or glass wires from 0.2-4.0mm. Centrifugal rotating cutters.</p> <p>Uses separate transformer with speed control knob.</p> <p>Small cutting head allows this to be used in inaccessible places.</p> <p>HT-EWS-A-01. Insulation stripper (excludes transformer). Wire 0.2-0.8 mm diameter</p> <p>HT-EWS-A-02 insulation stripper (excludes transformer). Wire 0.6-2.0 mm diameter</p> <p>HT-EWS-A-03 insulation stripper (excludes transformer). Wire 1.2-4.0 mm diameter</p> <p>Can be fitted with length stop, blades closure adjustment and blades with special coatings for higher volume production and high precision work.</p>
HT-EWS		<p>HT-EWS-HF Flat conductor insulation stripper. Heavy duty for the removal of enamel or glass from rectangular section copper. Various grades of brush are available.</p>


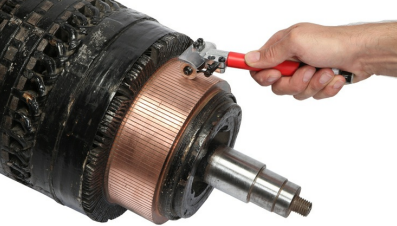

MSC		<p>MSC-01 Side Cutters for Copper, Aluminium up to 4.5mm. Spring Return with moulded handles for comfortable use</p> <p>MSC-02 Side Cutters. Heavy Duty Cutters for Hard Wire up to 2.5mm</p>
HT-CC		<p>HT-CC Cable Cutter. For multi-core cables and copper or aluminium wire. Unique design gives clean cut. Precise one-handed shearing action with patented "offset bite" that eliminates compressed or frayed ends</p>
FCC7		<p>FCC7 Cable Cutter - spring return handle. For Steel cable or heavy copper wire/strip</p>

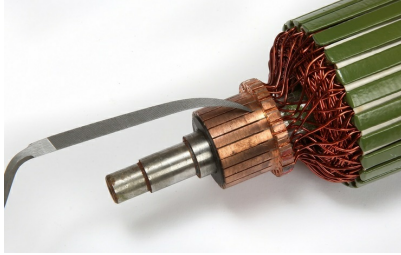
HT-CACU		<p>HT-CACU Cable Cutters. Light Duty. For copper and aluminium cable up to 10mm diameter. Fitted with hardened stainless steel blades and comfortable plastic handles. Spring-opened, these cutters are also provided with a locking button.</p>
MPP		<p>Giving a parallel action, they grip many objects much more firmly than conventional pivoted pliers</p> <p>MPP-01 Parallel Pliers. Serrated Jaws. Spring return steel handles. 160mm long  MPP-02 Heavy Duty Parallel Pliers. Serrated Jaws. Plastic covered handles</p>
IBH		<p><b>IBH Bearing Heaters</b></p> <p>Make bearing fitting easy. A few seconds on an IBH heater expands the inner race to make it slip onto the motor shaft easily.</p> <p>IBH-1. 3kW. For bearings 15-250mm diameter ( up to 350mm with pole extensions)  IBH-2. 14kW. For bearings 50-560mm diameter ( up to 680mm with pole extensions)</p> <p>Can be fitted with:</p> <ul style="list-style-type: none"> <li>• Process Timer</li> <li>• Pole extensions</li> <li>• Temperature controller 0-200 degrees</li> <li>• Demagnetisation</li> <li>• Trolley on wheels for storing the heater and bars of different size</li> </ul>

<p>WH-TT</p>		<p><b>Turntables</b>  Very useful for working in stators for jibs such as taping, connecting, soldering etc. Runs on ball races and with non slip rubber surface. with and without locks to fix the position  Part No: WH-TT-01 Turntable without lock 200 mm diameter. 60kg capacity  Part No: WH-TT-02 Turntable without lock 250 mm diameter. 100kg capacity  Part No: WH-TT-03L Turntable with lock 200 mm diameter. 60kg capacity  Part No: WH-TT-04L Turntable with lock 250 mm diameter. 100kg capacity  Part No: WH-TT-05L Turntable with lock 360 mm diameter. 200kg capacity</p>
<p>HT-SLF</p>		<p><b>Slot Files.</b> Parallel slot files with four cutting sides. Made in six sizes for cleaning stator and rotor slots.  HT-SLF-01 300mm long x 12mm wide  HT-SLF-02 400mm long x 12mm wide  HT-SLF-03 400mm long x 16mm wide  HT-SLF-04 400mm long x 20mm wide  HT-SLF-05 500mm long x 16mm wide  HT-SLF-06 500mm long x 25mm wide  HT-SLF-SET Set of the above 6 slot files</p>
<p>HT-SLTO</p>		<p><b>Slot Cleaning Torches</b>  Supplied as a pair, one for heating slot with oxygen and acetylene, the pistol for blowing slot clear with oxygen. Much more effective than using compressed air as it does not cool the slot but boosts the temperature.  HT-SLTO-SET - Full Set  HT-SLTO- AG acetylene torch only  HT-SLTO-ANZ acetylene nozzle only  HT-SLTO-01 Oxygen pistol c/w nozzle</p>
<p>HT-RWSB</p>		<p><b>Round Slot Brushes</b>  For brushing out slots after burning off insulation materials. Made from high quality materials for durability. HT-RWSB-01 - 5mm, HT-RWSB-02 - 6mm, HT-RWSB-03 - 8mm, HT-RWSB-04 - 10mm  HT-RWSB-05 - 15mm, HT-RWSB-06 - 20mm, HT-RWSB-07 - 25mm, HT-RWSB-08 - 30mm  HT-RWSB-SET Set of eight round wire brushes.</p>





<p>HT-FWSB</p>		<p><b>Flat Slot Brushes</b>  For brushing out slots after burning off insulation materials. Made from high quality materials for durability.  HT-FWSB-01 - 4 x 10 x 100mm  HT-FWSB-02 - 7 x 10 x 100mm  HT-FWSB-03 - 8 x 12 x 100mm  HT-FWSB-04 - 8 x 15 x 100mm  HT-FWSB-05 - 10 x 18 x 100mm  HT-FWSB-06 - 10 x 22 x 100mm  HT-FWSB-07 - 12 x 26 x 100mm  HT-FWSB-SET Set of seven flat wire brushes.</p>
<p>KOBAC</p>		<p><b>KOBAC Air / Hammer Chisel Set</b>  For coil cutting. Supplied complete in a case comprising air gun with set of five chisels including additional set of four curved chisels especially designed for motor windings 12,16,19 + 25mm wide.</p> 
<p>HT-HCCS</p>		<p>Specially designed heavy duty chisels for cutting off stator coils. Curved and notched. The notch prevents the chisels from sliding off the coil and possibly damaging the stator. Supplied only as a set of three.</p>



<p>WH-SCC</p>		<p>Stator Coil Cutting Machines - different sizes available with or without coil pulling For motors up to 1000mm diameter. With high precision control of the cutting head via screw thread control of the cutting heads position - ensures no damage to stator laminations</p>
<p>HT-GT</p>		<p>Gripping Tongs For gripping and removing stator and armature coils. Used with Coil Extracting Machines or cranes or overhead gantry. They grip the coils positively and safely. The harder they are pulled, the tighter they grip. DL are extended neck version for deep seated windings. HT-GT01 500 x 170mm (CEM03) HT-GT02 760 x 200mm (CEM03 and 04) HT-GT03 840 x 220mm Long version for deep seated winding for CEM-03 HT-GT04 1000 x 210mm (CEM04 and 05) HT-GT05 1000 x 240 mm Long version for deep seated winding for CEM-04</p>

SH		<p>SH Stator Heaters for use with propane gas or natural gas with compressed air. Wide range of sizes Fixed size heaters from 60mm to 340mm and one adjustable width burner form 150-600mm. Burners to be specified for use either with natural gas or propane supply</p> <p>SH-01-75 Fixed size burner 75mm diameter for propane gas with oxygen or natural gas supply  SH-02-100 Fixed size burner 100mm diam. for propane with oxygen or natural gas supply  SH-03-260 Fixed burner with 10 nozzles 260mm diameter  SH-04-600. Adjustable diameter burner with 6 nozzles for the range 150-600mm</p>
PCU		<p>PCU Pneumatic high speed undercutting tool. Light to handle and very versatile. Uses diamond impregnated cutting wheels, either 19 or 22 mm diameter of widths 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9 and 1.0 mm. This tool runs at 20,000 rpm. Must be used with air filter and lubricator.  PCU-01 Special Air Filter/Lubricator/Air Pipe with connectors + accessories</p>
CCTS		<p>CCTS Commutator Chamfer Tool  This useful tool is fitted with a three-cornered carbide insert, which chamfers the copper on both sides of the commutator slots after undercutting. There is a 60 angle. The offset blade holder provides knuckle clearance when de-burring. The holder can be retracted into the handle for easier storage when not in use. The carbide insert is easily replaced when it becomes dull on all three corners.</p>

CCSS		<p><b>CCSS Adjustable Slot Scraper</b>  For removing fins of mica and burrs of copper from the edges of commutator bars after hand undercutting with a saw. Adjustable HSS tool bit can be positioned as desired and has two cutting edges at 60 and 90 degrees</p>
CCFF		<p><b>CCFF Commutator Slot File</b>  If you only have a few motors, undercut your mica with the handy commutator slotting files. They work rapidly and are easy to use, with a 60 degree V shaped tool.</p>
HCS		<p><b>Hand Commutator Undercutting Saws</b>  For clean and efficient removing of the mica insulation. Comprising a saw holder with wooden handle and replacement blades of different thickness. Two versions available:  HCS-28 with a blade length of 28mm with seven interchangeable inserts 0.3-0.9mm thick  HCS-130 with a blade length of 28mm with six interchangeable inserts 0.4-0.9mm thick</p>
RHD		<p><b>Rotor Handing Devices</b>  Useful and safe method for moving larger rotors or armatures.  Three different weight capacities available:  RHD-1000kg  RHD-4000kg  RHD-8000kg</p>



505-001A		<p><b>Rotor Stands - Armature Stands</b>  These robust stands are necessary for safe and easy manipulation of heavy rotors. Supplied as a pair with one fixed height and one adjustable in height. Height adjusted by 38mm diameter shaft with thread and lock nut that ensures stable height adjustment. Support rollers from wear resistant nylon.</p>
WH-BU		<p><b>Induction Brazing Unit</b>  Robust, heavy duty portable device for brazing copper wire and strip. The tongs are fitted with carbon electrodes. 200mm sq. max cross section. With foot pedal control.</p>
A-XXXX		<p><b>Carbide coil cutting discs</b>  Allows quick and clean removal of coil heads from stators and rotors. Long life. Different diameters available: 2, 75, 100, 165, 175, 200, 250, 300mm outside diameters</p>
WJD		<p><b>Manual device for joining two wire ends together.</b> Compact, robust machine with the capacity to permanently weld most non-ferrous metals in wire or strip form, within the range 0.25 - 1.20mm. The WJD is easily activated by finger pressure on the operating handle and will complete the weld in seconds.</p> <p>WJD-01 : copper 0.25 - 1.20mm.  Dimensions: 210 x 75 mm. 1.3kg  WJD-02: copper 0.30 - 1.80mm.  Dimensions: 350 x 80 mm. 2.5kg  WJD-03: copper 1.00 - 3.60mm.  Dimensions: 440 x 220 x 370 mm. 32kg.  Bench mounted.</p>

MP		<p>This manual nameplate stamper is made in two sizes for versatile application in the workshop and is ideal for quick embossing with combinations of letters and numbers. The work table is provided with a scaled clamping bar for the nameplate. A 5-position adjustable table feed guarantees accurate spacing of the figures. The stamping limiter ensures equal depth of the imprint.</p> <p>Choice of stamping wheel: The exchangeable stamping wheel is available with figure heights 2, 2.5, 3, 3.5, 4, 4.5 or 5mm. They are all provided with capital letters A – Z and all numbers from 0 to 9 and the signs / . + and -</p>
WH-SI		Hammer Type Soldering Irons