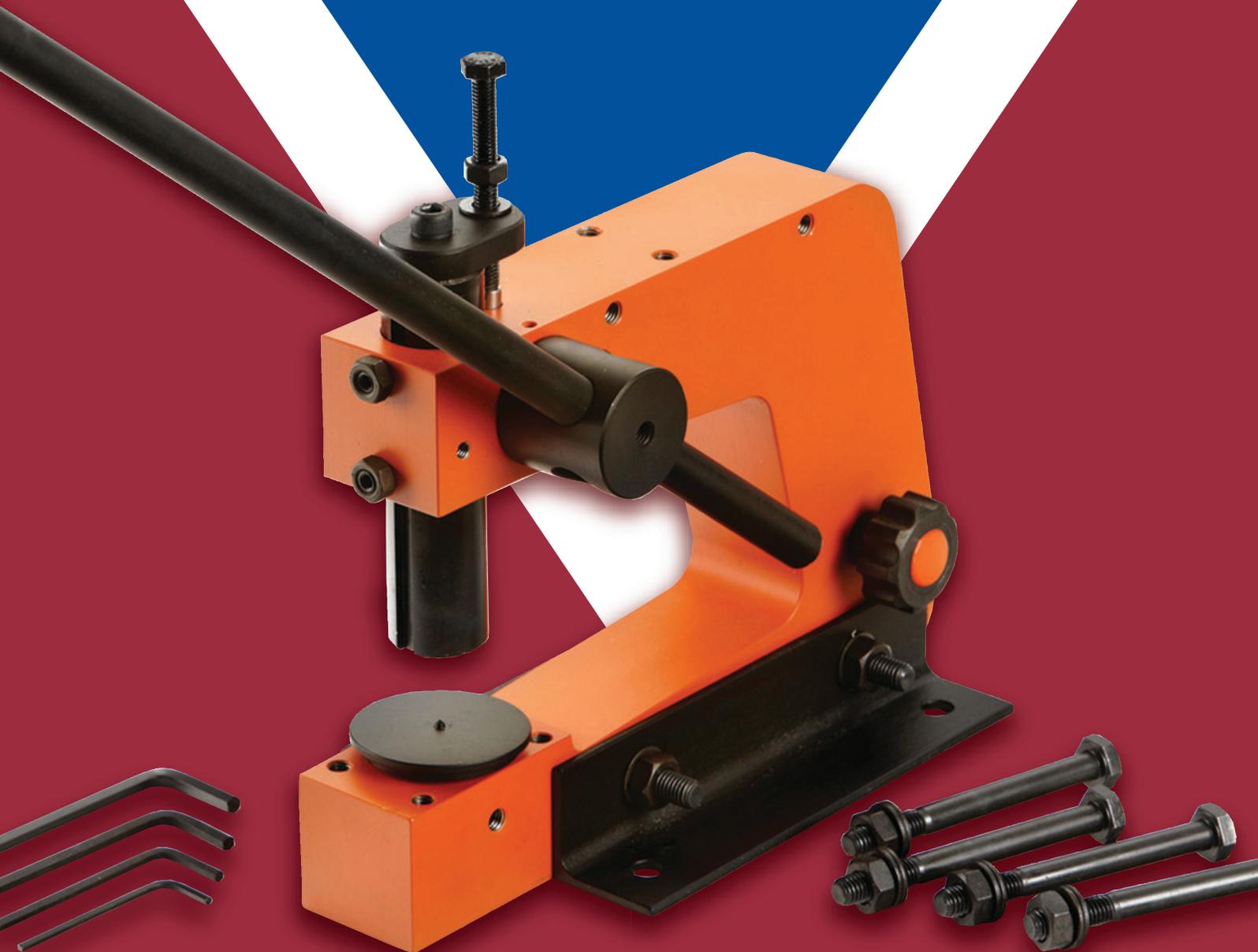




Manuform

3000lb Lever press
Cutting accessories
Punch & dies
Hole cutters
5000lb lever press
Hydraulic power pack





MANUFORM BENCH MOUNT 3000lb LEVER PRESS

Product Code	Description
MA9000000	Hand operated lever press system which, when used in conjunction with the precision tooling, offers a complete sheet metal manufacturing workstation, ideally suited for prototyping and small production runs. Constructed from high quality carbon steel with precision machined rack and pinion, giving a constant pressure through the stroke up to 3000lb/ft

Product Code	Description	Profile
MA9010070	Slot Guillotine 3 x 70mm A 3 x 70mm slitting tool which is used for accurately guillotining and slitting products without material distortion. A toe guide is built into the blade enabling a precise continuous cutting action	
MA9010120	Square Nibbling Tool Versatile nibbling tool 5mm square	
MA9010210	Raised 'V' Block and Blade Bending Tool This raised 'V' block enables forms on the workpiece to be produced in close proximity plus allowing close return folds. Supplied with five blades of 50, 75, 100, 125 and 150mm in length.	
MA9010220	Din Rail Cutting Tool A tool which enables Top Hat Din Rail to be cut, and pierces mounting holes into the DIN Rail. The punches for the mounting hole can be removed if not required.	

MANUFORM CUTTING ACCESSORIES

Product Code	Description	Profile
MA9010030	Centre Point This product enables the centre point of the ram to be defined. By placing in either of the Manupress base holes, it offers a point of reference for the side and back stops	
MA9010040	53mm Corner Notching Tool This tool enables the press to cut accurate 90° notches up to 53mm per side. A base plate fitted with adjustable stops enables corner notches to be accurately repeated. Maximum capacity: aluminium up to 2.5mm and mild steel up to 1.6mm	
MA9010050	Standard 'V' Bending Tool This tool enables folds to be produced in sheet metal to any angle not less than 90° and is supplied with five blades of 50, 75, 100, 125 and 150mm in length. These blades are not hardened so they can easily be cut to required lengths	

MANUFORM PUNCH & DIES

Product Code	Description	Profile
MA9011300	Scart Profile P & D A punch and die set with stripper, to cut the standard SCART connector profile	
Die Holders A range of three dieholders is offered which accommodates the full range of circular and square punches and dies		
MA9030010	3mm to 12mm diameter	
MA9030020	12.5mm to 27.5mm diameter	
MA9030030	Rectangular and square dies	

Product Code	Description	Profile
Rectangular / Square Hole Punch & Die A range of case hardened steel rectangular and square punches and dies. The punches and dies have been designed to suit standard rocker switches, IEC panel mounting connectors and other standard panel mounting products.		
MA9060010	Size: 13.7 x 11.1mm	
MA9060020	Size: 15.9 x 13.0mm	
MA9060030	Size: 29.2 x 22.5mm	
MA9060040	Size: 28.4 x 11.4mm	
MA9060050	Size: 28.0 x 21.0mm	
MA9060060	Size: 29.4 x 22.0mm	
Boxed sets - Punches & Dies Mild steel case Pre-formed internal packaging. Die-holders, strippers, hexagon keys and all fixing hardware		
MA9070010	13 punch and die set Sizes 3 - 12mm	
MA9070030	7 punch and die set Sizes 12.5 - 27.5mm (does not include strippers)	
'D' Connector Punch and Die Set A range of hardened and tempered tool steel punches and dies that can be used to produce this complex shape with one stroke, punching the two mounting holes and connector hole in the same operation. This range of punches and dies must be used in conjunction with a suitable stripper.		
MA9080010	9 Way - Front set	
MA9090010	9 Way - Rear set	
MA9090020	15 Way - Rear set	
MA9110060	BNC Round socket Punch and die set to cut panel socket for standard BNC audio/video connectors, 9.7mm dia. x 8.8mm to flat	
MA9110070	20mm Fuse holder Punch and die set to cut panel socket for standard 20mm fuseholders, 12.2mm dia. x 12mm to flat	
Circular Hole Punch & Die A range of hardened and tempered tool steel punches and dies manufactured to ensure accurate and clean hole punching in a wide range of materials. Each punch and die has a centre location point for accurate alignment of the workpiece.		
MA9120010	Diameter: 3.0mm	
MA9120030	Diameter: 4.0mm	
MA9120050	Diameter: 5.0mm	
MA9120070	Diameter: 6.0mm	
MA9120080	Diameter: 7.0mm	
MA9120090	Diameter: 9.0mm	
MA9120100	Diameter: 10.0mm	



MANUFORM 5000lb LEVER PRESS

Product Code	Description
MA9200000	An increased capacity bench mounting press, with the advantage of 5000lb ram pressure and a 308mm throat depth. Increased capacity enables this machine to manipulate larger sizes of sheet. The press has a double, flame-cut steel frame with a precision ground rack and pinion mechanism giving a constant force through the stroke up to 5000lb. The ram can be accurately adjusted to enable the cutting depth of the tool to be controlled, which in turn safeguards against tool and material damage. All the tools and accessories for the 900000 - 3000lb capacity press can be used on the 5000lb press by use of an adaptor set

MANUFORM HYDRAULIC POWER PACK

Product Code	Description	
MA9400000	The cutting principle is essentially the same as the hole cutters, but this power pack, complete with pump, cylinder and 1.8 metres of high pressure hose, exerts a force capable of cutting larger holes in thicker materials.	

MANUFORM HOLE CUTTERS FOR HYDRAULIC POWER PACK

Product Code	Diameter size (mm)	Cutter type	Profile
MA9420010	20.0	Round	
MA9420020	22.5	Round	
MA9420030	25.0	Round	
MA9420040	27.5	Round	
MA9420050	30.0	Round	
MA9420060	35.0	Round	
MA9420070	76.0	Round	
MA9420080	116.0	Round	
MA9430010	45.0	Square	
MA9430020	68.0	Square	
MA9430030	92.0	Square	

MANUFORM MANUPUNCH HOLE CUTTERS

A complete, easy-to-use system enabling a wide variety of hole configurations to be punched by hand. The friction-reducing ball races make hole punching effortless. Heat treated steel punches are manufactured to close tolerances in industry standard sizes. Will punch burr free holes in up to 1.65mm thick mild steel, and up to 2mm aluminium.

METRIC ROUND HOLE CUTTERS

Product Code	Hole size (mm)	Drill size (mm)	Bolt size (mm)	Profile
MA9700000	Boxed set 12.5 - 27.5mm			
MA9700010	12.5	10.0	8.0	
MA9700020	14.5	10.0	9.0	
MA9700030	16.6	10.0	8.0	
MA9700040	18.0	12.0	10.0	
MA9700050	20.0	12.0	10.0	
MA9700060	22.5	12.0	10.0	
MA9700070	25.0	12.0	10.0	
MA9700080	27.5	12.0	10.0	
MA9700090	30.0	12.0	10.0	
MA9700100	35.0	14.5	12.0	
MA9700110	40.0	14.5	12.0	
MA9700120	45.0	20.0	16.0	
MA9700130	50.0	20.0	16.0	
MA9700140	60.0	20.0	16.0	
MA9700150	70.0	20.0	16.0	

METRIC RECTANGULAR HOLE CUTTERS

Product Code	Hole size WxL (mm)	Drill size (mm)	Bolt size (mm)	Profile
MA9730030	15.9x13.0	10.0	8.0	
MA9730040	19.3x13.1	10.0	8.0	
MA9730070	22.0x19.6	14.5	10.0	
MA9730090	25.8x21.6	14.5	10.0	
MA9730120	27.2x22.1	14.5	10.0	
MA9730130	27.2x12.2	10.0	8.0	
MA9730140	28.2x22.5	14.5	10.0	
MA9730150	28.4x11.4	10.0	8.0	
MA9730160	29.4x22.0	14.5	10.0	
MA9730170	34.5x23.5	16.5	12.0	
MA9730180	34.5x24.5	16.5	12.0	
MA9730200	36.9x21.1	16.5	12.0	
MA9730210	37.0x21.9	16.5	12.0	
MA9730240	61.0x29.0	25.0	16.0	
MA9730250	45.0x22.5	16.5	-	
MA9730260	50.8x25.8	16.5	-	

METRIC RECTANGULAR HOLE CUTTERS WITH RADIUS CORNERS

Product Code	Hole size WxL (mm)	Radius (mm)	Drill size (mm)	Bolt size (mm)	Profile
MA9740010	28.0x21.0	3.5	14.4	10.0	
MA9740030	30.2x22.7	5.5	14.5	10.0	
MA9740040	31.4x28.3	3.0	16.5	12.0	
MA9740050	34.0x27.0	7.0	16.5	12.0	
MA9740060	33.0x29.0	4.0	16.5	12.0	

IMPERIAL ROUND HOLE CUTTERS

Product Code	Hole size (mm)	Drill size (mm)	Bolt size (mm)	Profile
MA9710040	1.1/4"	12.0	10.0	
MA9710050	1.1/2"	14.5	12.0	
MA9710060	1.3/4"	20.0	16.0	

METRIC HOLE CUTTERS 'D' CONNECTOR (FRONT MOUNTING)

Includes drilling jig for mounting holes

Product Code	No. of ways	Hole size WxL (mm)	Drill size (mm)	Bolt size (mm)	Profile
MA9750010	9	21.3x12.9	8.0	5/16" BSF	
MA9750020	15	29.6x12.9	8.0	5/16" BSF	
MA9750030	25	43.9x12.9	8.0	5/16" BSF	
MA9750040	37	59.8x12.9	8.0	5/16" BSF	

SQUARE HOLE CUTTERS

Product Code	Hole size (mm)	Drill size (mm)	Bolt size (mm)	Profile
MA9720040	19.1	14.5	8.0	
MA9720050	12.6	10.0	8.0	
MA9720060	15.1	10.0	8.0	
MA9720070	32.0	16.5	12.0	
MA9720080	45.0	25.0	16.0	

METRIC HOLE CUTTERS 'D' CONNECTOR (REAR MOUNTING)

Includes drilling jig for mounting holes

Product Code	No. of ways	Hole size WxL (mm)	Drill size (mm)	Bolt size (mm)	Profile
MA9760010	9	19.8x11.3	8.0	8.0	
MA9760020	15	28.2x11.3	8.0	8.0	
MA9760030	25	41.9x11.3	8.0	8.0	
MA9760040	37	58.4x11.3	8.0	8.0	

BALL BEARING SPARES

Product Code	Size (mm)	Profile
MA9770010	8.0	
MA9770020	10.0	
MA9770030	12.0	

