

 **HEMS LTD**
KEEP YOUR EARTH MOVING MACHINERY MOVING

dm DELAHENTY
MACHINERY

AUTHORISED HEMS RESELLER - AUSTRALIA



MASTER PIN PUSHER

PORTABLE TRACK PRESS



HEMS LTD

KEEP YOUR EARTH MOVING MACHINERY MOVING

HEPP 30T / HEPP 50T

Model	Manual (HEPP-30M)	Electric (HEPP-30E)	Manual (HEPP-50T)	Electric (HEPP-50T)
Capacity	50 Ton		30 Ton	
Stroke	250 mm		200mm	
Working Pressure	700Kg/cm ²		700Kg/cm ²	
Weight (Approx)	85kg		28.5kg	
Operation	Hand pump	Electric Pump	Hand Pump	Electric Pump (Dual control pump 2in1)
Universal Tooling Set (Included in the package)	4 sets to cover from 19.3mm-36.3mm in diameter		5 sets to cover 18mm-36.2mm in diameter	
Minimum Pin Diameter	19.3mm		18mm	
Maximum Pin Diameter	36.3mm		36.2mm	
Maximum Pin Length	133mm		90mm	
Minimum Pin Length	178mm		170mm	

HEPP 65T

Model	Manual (HEPP-65M)	Electric (HEPP-65E)
Capacity	65ton	
Stroke	60mm	
Working Pressure	700kg/cm ²	
Weight (Approx)	130kg	
Operation	Hand Pump	Electric Pump (dual control pump 2in1)
Universal Tooling set (included in the package)	6 sets to cover from 30.1mm - 52.3mm in diameter	
Minimum Pin Diameter	30.1mm	
Maximum Pin Diameter	52.3mm	

HEPP 100T

Model	Manual (HEPP-100M)	Electric (HEPP-100E)
Capacity	100ton	
Stroke	350mm	
Working Pressure	650kg/cm ²	
Weight (Approx)	205kg	
Operation	Hand Pump	Electric Pump (dual control pump 2in1)
Universal Tooling set (included in the package)	10 sets to cover from 19.3mm - 60.2mm in diameter	
Minimum Pin Diameter	19.3mm	
Maximum Pin Diameter	60.2mm	
Minimum Pin Length	160mm	
Maximum Pin Length	320mm	

Application

- Safe and controlled pin and bushing removal and installation
- Reduced labor time and operating costs
- Eliminates unsafe, outdated methods
- Increased efficiency in maintenance and repair operations

Benefits

- Portable HEPP series track presses
- Press and pull capability for track and master pins
- Suitable for workshop and on-site use
- Available capacities from 30–300 tons (model dependent)
- OEM-specific master pin pusher packages available

Key Features

- Chain sections
- Drive wheels
- Pulleys and rollers
- Gears
- Bearings
- Shafts



MASTER PIN PUSHER

PORTABLE TRACK PRESS



HEPP 150T

Model	Manual (HEPP-150M)	Electric (HEPP-150E)
Capacity	150ton	
Stroke	350mm	
Working Pressure	650kg/cm ²	
Weight (Approx)	480kg	
Operation	Hand Pump	Electric Pump (dual control pump 2in1)
Universal Tooling set (included in the package)	12 sets to cover from 23.7mm - 70mm in diameter	
Minimum Pin Diameter	23.7mm	
Maximum Pin Diameter	70mm	
Minimum Pin Length	311mm	
Maximum Pin Length	365mm	



HEPP 150T

HEPP 200T

Model	Manual (HEPP-200M)	Electric (HEPP-200E)
Capacity	200ton	
Stroke	350mm	
Working Pressure	650kg/cm ²	
Weight (Approx)	630kg	
Operation	Hand Pump	Electric Pump (dual control pump 2in1)
Universal Tooling set (included in the package)	15 sets to cover from 19.3mm - 76.2mm in diameter	
Minimum Pin Diameter	19.3mm	
Maximum Pin Diameter	76.2mm	
Minimum Pin Length	311mm	
Maximum Pin Length	415mm	



HEPP-230T, 250t, 300T, 400T

MODEL NO.	CAPACITY (TON)	STROKE (MM)	WORKING PRESSURE (KG/CM ²)	APPROX WEIGHT (KG)	OPERATION	UNIVERSAL TOOLING SET (INCLUDED IN THE PACKAGE)	PIN DETAILS			
							MIN DIAMETER (MM)	MAX DIAMETER (MM)	MIN LENGTH (MM)	MAX LENGTH (MM)
HEPP-230	230	350	650	680	Electric Pump	7 sets to cover 22mm - 85mm in diameter	22	85	360	425
HEPP-250	250	350	650	810	Electric Pump	7 sets to cover 22mm - 85mm in diameter	22	85	360	425
HEPP-300	300	600	664	1420	Electric Pump	15 sets to cover 36.4mm - 85mm in diameter	36.4	85	360	425
HEPP-400	400	500	660	1480	Electric Pump	15 sets to cover 60mm - 105.2mm in diameter	60	105.2	400	400

MASTER PIN PUSHER

PORTABLE TRACK PRESS

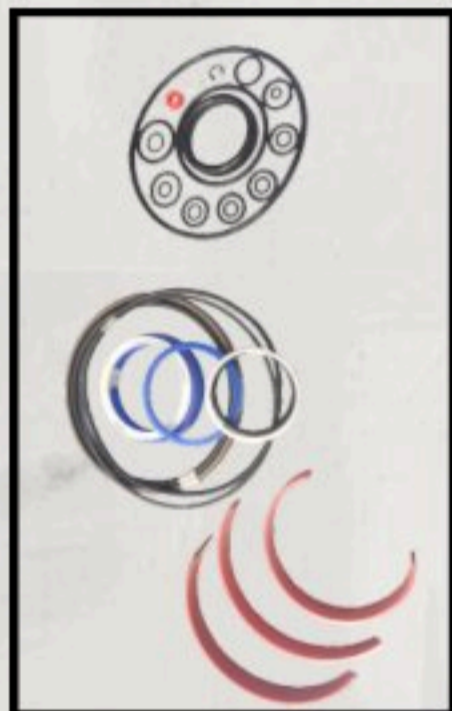


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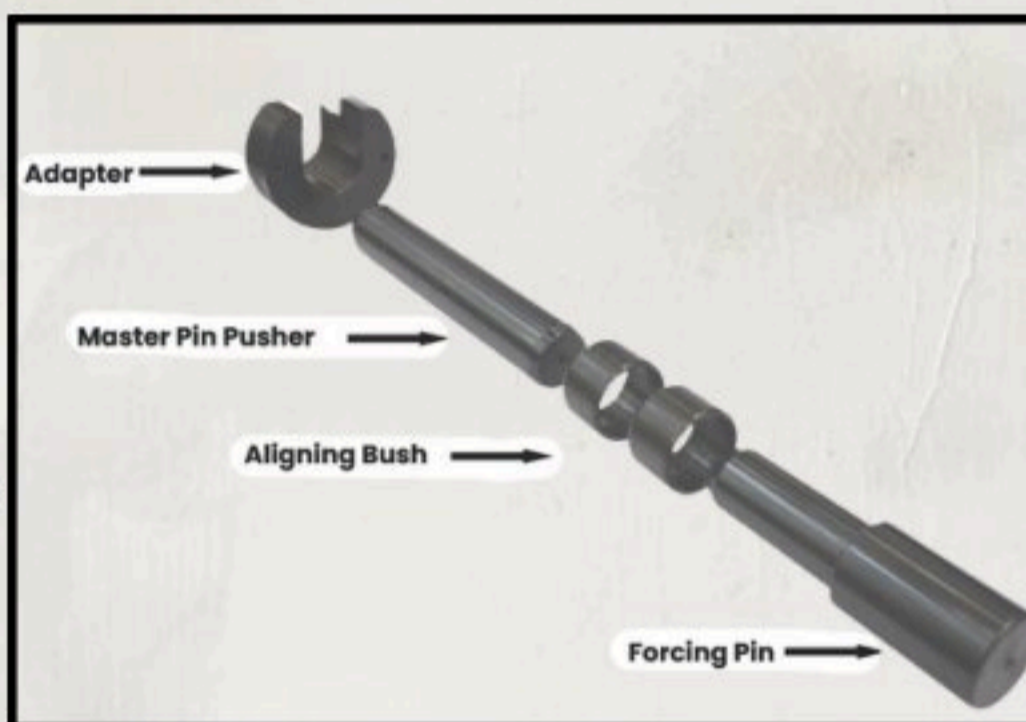
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Additional Attachments

Below items are included in our Master Pin Pusher packages (excluding the 30T and 65T)



Spare seal kit for cylinder and pumping unit (1 set)



Telescopic Tripod (capacity 1t)



Hand Tools (1 set of Spanners and Allen Keys)



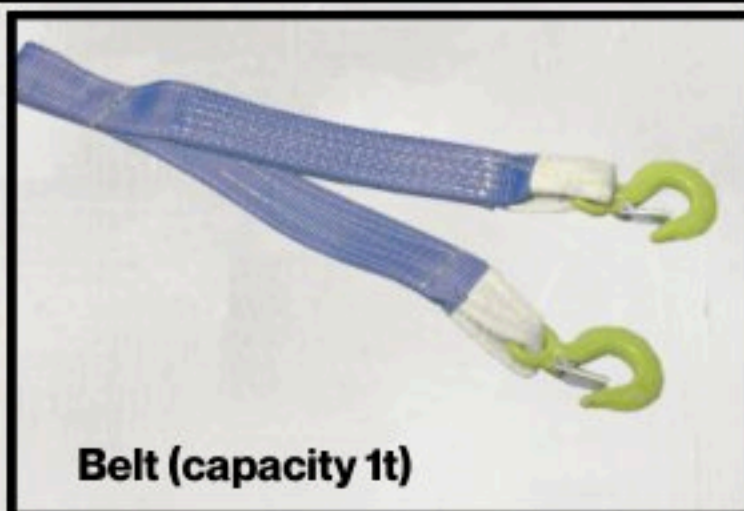
Spare Directional Control Valve (1 Nos)



Chain Pulley



Rubberised hose for flexibility. (4 metres long 2 nos) Quick disconnect couplers (4 nos)



Belt (capacity 1t)



20 Flat Jack with Spacer for bushing removal

PIN PULLER



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Key Features

- Single or multiple stroke pin and bush replacement
- Center-hole, single-acting hydraulic jacks
- Jacks mounted on stacked C-sleeves
- Center rod passes through sleeves with end-tightened nuts
- Jacks available in alloy steel or aluminium
- 50 mm and 100 mm stroke options
- Hardened and tempered alloy steel tie rods and nuts

PIN PULLER				
Model	HE PP 30/50	HE PP 100	HE PP 150	HE PP 200
Stroke (mm)	50/100	100	100	100
Closed Height (mm)	245/255	295	325	350
Outer Diameter (mm)	115/150	215	245	290
Bore Diameter (mm)	95/135	180	200	220
Ram Diameter (mm)	80/110	150	150	160
Centre Hole (mm)	33/42	77	80	80
Effective Area (sq/cm)	42.6/78.5	141.4	235.6	235.6
Max Diameter Pin	38mm for 30T, 55mm for 50T	90mm	140mm	185mm

Benefits

- Flexible operation for different pin and bush applications
- Controlled and efficient pressing with minimal setup
- Increased strength and durability for heavy-duty use
- Reduced risk of component damage during installation or removal
- Reliable performance across workshop and field conditions



Included

- Tie-rod frame
- Centre rod
- 65T single-acting cylinder
- Pulling rod (M39 × 1000 mm)
- 6 sets of master pin tooling
- 2 × C-sleeves (160 mm bore × 135 mm long)
- Threaded adaptors: M12, M16, M20, M24, M30
- Hoses and couplers with aluminium dust caps
- Split nut
- Spare seal kit
- Spanner and Allen key set

Benefits

- One compact tool for pins and bushings
- Safe, controlled operation
- Faster setup and reduced downtime

65 T DUAL ACTION PRESS									
Model No.	Capacity (ton)	Stroke (mm)	Working Pressure (kg/cm ²)	Approx Weight (kg)	Operation	TOOLING SETS INCLUDED		PIN DETAILS	
						Pushing Pins	Pulling Pins	Min Diameter	Max Diameter
HE-DAP 65T E	65	60	700	200	Dual Control Pump	6 sets covering 30.1mm - 52.3mm	Tooling set to pull pins up to 62mm	30.1mm	52.3mm
HE-DAP 65T M					Manual Control Pump				



HYDRAULIC CYLINDER REPAIR KITS

Key Features

- Compact unit fits into a 75" x 60" x 50" storage box
- Cylinder extraction length up to 1 m
- Extended fork capacity up to 3 m
- Maximum barrel diameter capacity: 200 mm
- Load capacity up to 1 ton
- Hand-operated hydraulic directional control valve with ratchet mechanism
- Supplied with hydraulic power pack
- Mobile design for easy relocation

Benefits

- Space-saving design for easy storage and transport
- Handles a wide range of cylinder sizes and lengths
- Controlled, reliable hydraulic operation
- Easy to move between work areas or job sites
- Improved efficiency in workshop and field operations

Key Specifications

- Maximum barrel diameter: 200 mm
- Weight: 1000 kg
- Extraction stroke: 1000 mm
- Extraction cylinder open length: 2000 mm
- Open length with extension bar: up to 3000 mm
- Load capacity: up to 1 ton
- Motor power: 3 HP
- Hydraulic system pressure: 350 bar



PCRB-4000	
Torque Capacity of Nut Buster	49,759N @350 bar
Single or Double Acting Cylinder	Double
CYLINDER SIZE MAXIMUM	
Diameter	200mm
Weight	1000kg
Extraction Cylinder Capability	10T
SPECIFICATIONS	
Stroke (mm)	1000
Extraction Cylinder Open Length (mm)	2000
Open Length with Extension Bar (mm)	3000
Max Floor Space	2.8 sq/m
Motor Power	3 HP
Nut Runner Torque	250Nm
Nut Runner Spanner Wrench Speed	14-100rpm
Built-in Spanner	Yes
Hydraulic System Pressure	350bar
THIS BENCH CONFORMS WITH CE AND UKCA STANDARDS	



PCRB-4000

The attachments included with the PCRB 4000



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Attachments Included



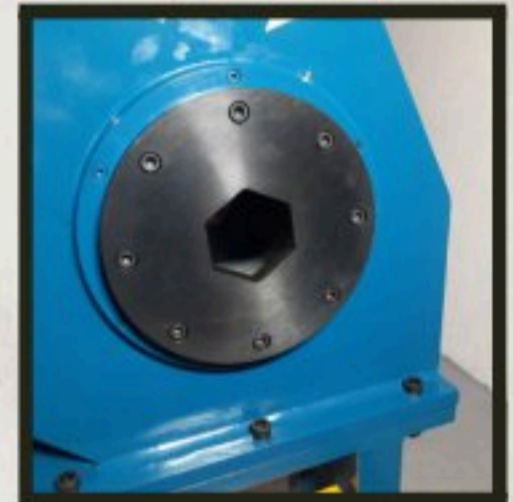
Universal Wrench is included to cater any shape of cylinder head. It can be mounted on the Nut Buster head or to either spanner plate.



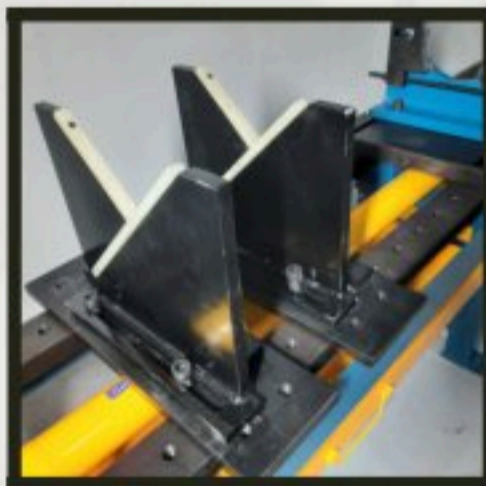
Clevis Lock plates are supplied with mounting plates and M16 shaft and nuts to hold the cylinder. Cylinder can be secured from barrel end or rod eye



1 inch square socket drive is included along with 10 x square drive hex sockets. Hex socket sizes: 36, 38, 41, 46, 50, 55, 60, 65, 75, or 80 mm.



2 x Spanner Plates (90 and 95mm) allow you to clamp larger nuts.



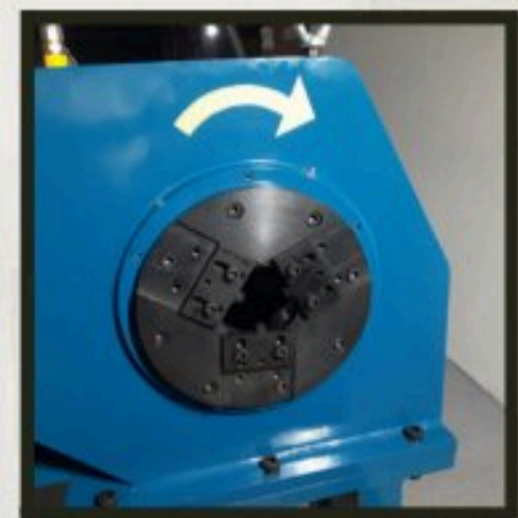
2 sets of 'V' Chucks are supplied with the bench to support the barrel and ram.



Two bars can be fitted to the mounting plates for working on cylinders with less than 1,000mm stroke.



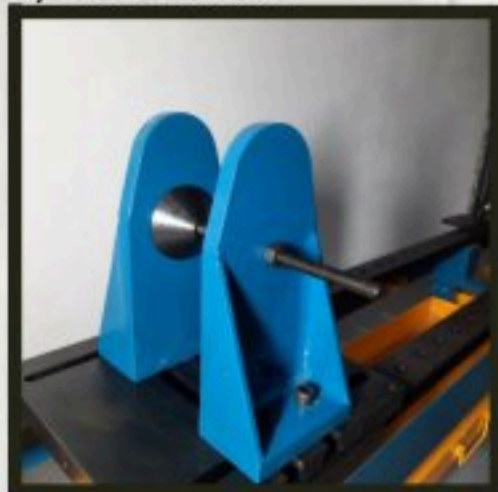
Spanner sets to unlock gland nuts are provided in 8, 10, and 12mm sizes. Also included are 5, 6, 8mm diameter ppis for heads with round holes.



Also included is a 3-slot spanner, for odd cylinder heads with 3 or 6 holes in the gland



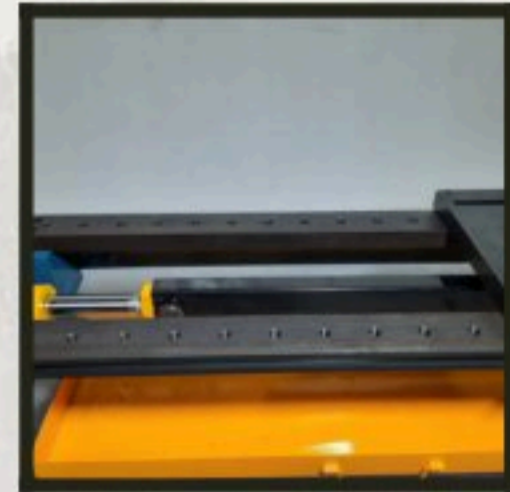
Giant nut spanner sets can be mounted on either of the included spanner mounting plates. These plates are mounted to the sliding bed.



Clevis Support with cones on sliding bed is provided to mount barrel or ram eye. M20 bolt with nuts are part of this unit.



A spare bed mounting plate is supplied, enabling you to clamp clevis support or spanner plates for smaller cylinders.



Cylinder Extension Bar helps you to pull apart larger cylinders which have a stroke of more than 1 metre.

CYLINDER REPAIR BENCH



All static cylinder repair benches are supplied complete with the accessories required to begin repairs immediately. Cylinders can be fully disassembled, repaired, and reassembled in under one hour.

Key Features

- Center-line mounting system
- Designed for efficient one-man operation
- Built-in universal spanner wrench
- Integrated power options (model dependent)
- T-slot securing system
- Universal high-torque wrench
- Adjustable support stands

Key Specifications

- Models: HCS-25-LS to HCS-60-L
- Torque capacity: 3,457 – 8,298 kg·m (model dependent)
- Torque type: Single or double acting
- Max cylinder length: Up to 10.4 m (extended)
- Max cylinder diameter: Up to 762 mm
- Power options: Shop air or electric (model dependent)
- Max extraction force: Up to 65.4 kN



Benefits

- Reduced repair time and downtime
- Supports a wide range of cylinder sizes and lengths
- Simple installation and operation
- Improved workshop productivity
- Fast return on investment

HEMS/TUXCO Cylinder Repair Bench						
Model	HCS-25-LS	HCS-2520	HCS-30	HCS-40	HCS-60	HCS-60-L
Torque Capacity (kg/m)	3457.5	3457.5	4149	5532	8298	8298
Acting Torquer	SINGLE	SINGLE	DOUBLE	DOUBLE	TWO DOUBLE	TWO DOUBLE
Max Cylinder Length (extended) (m)	5.8	7.9	5.8	7.9	7.3	10.4
Max Cylinder Diameter (mm)	406.4	558.8	406.4	558.8	508/762	
Max Floor Space	23'x3' with 9' of air space on one end	30'x3' with 10' of air space on one end	26'x3' with 9' of air space on one end	33'x3' with 9' of air space on one end	32'x5' with 11' of air space on one end	43'x5' with 12' of air space on one end
Power Required	Shop Air, 115/230V	Shop Air	All Voltage	All Voltage	All Voltage	All Voltage
Horse Power	N/A		5		7.5	
Nut Runner Torque	N/A		5,000lb/ft			
Nut Runner Speed Wrench	N/A		8rpm			
Built-in Spanner	Yes					
Access Required	Front/Rear			Front		
Torquer Stroke Speed	10' stroke, 29sec/ft		10' stroke, 14sec/ft	10' stroke, 13.5sec/ft	6/10' stroke, 10/14sec/ft	
Rod Extraction Installation Speed	48' stroke, 7.6 sec/ft	14' stroke, 33sec/ft	48' stroke, 5.2sec/ft		48' stroke, 4sec/ft	
Pendant Control	No			Yes		
Extraction Force (kN)	35.9	44.1	62.3		65.4	

CYLINDER TESTER



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CYLINDER TESTER

Model	HCT-3000	HCT-5000
Max Testing Pressure	3000 psi (207 bar)	5000 psi (345 bar)
Horsepower	7.5	15
Hydraulic Pump Capacity	20GPM (76LPM)	8.3GPM (32LPM)
Power Required	All Voltage 50/60Hz	All Voltage 50/60Hz
Reservoir Capacity	227 litres (60 gallons)	227 litres (60 gallons)

PORTABLE HYDRAULIC CYLINDER TESTER PHT-415

Electrical Systems	Voltage	400v 3-phase
	Frequency	50 Hz
	Electrical Power	5kW
Pneumatic Feeding Systems	Max Pressure	8 bar
	Flow Rate	180 L/Min
	Air Multiplier 4x	
	Pressure Max	32 bar
Electric motor	Low to High Pressure System	3-Phase Asynchronous, 5kW
Hydraulic Plant	Internal Tank Capacity	700 Litres
	Max Fluid Temperature	50 degrees
	Max Flow	20 L/Min
	Max Pressure	415 bar (6000 psi)
	Fluids Allowed	Oil ISO VG 32/46

Barrel Washer

Features	Results
Rotating Spray Nozzles & Brushes	Thorough internal cleaning of cylinder bores
12 GPM high-flow diaphragm pump	Fast, consistent wash performance
Interchangeable brush handles (4"-13.5")	Suitable for a wider range of bore sizes
Integrated splash guard	Cleaner operation with minimal overspray
25-micron filtration system	Reuseable wash fluid and reduced waste
Factory-standard cleaning process	Cylinder contaminant-free before reassembly

PHT-415



PORTABLE HYDRAULIC CYLINDER TESTER FEATURES

- Automatic and manual cylinder testing modes
- Adjustable pressure and test parameters
- Intuitive touchscreen control panel
- Automatic generation of detailed test reports
- USB port for digital report storage
- Mobile, compact unit for workshop use

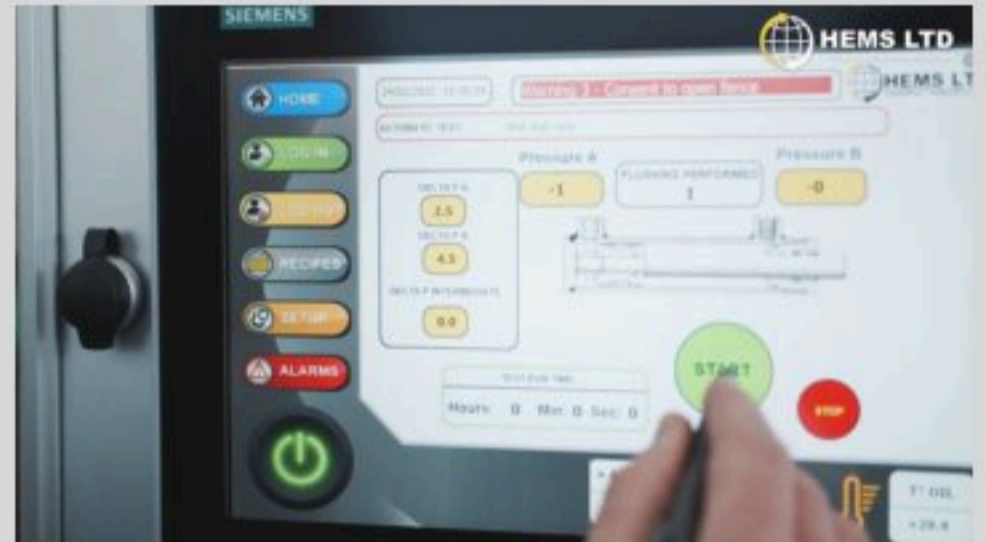
Benefits

- Flexible testing to suit different cylinder types and requirements
- Quick and easy setup with precise control of test parameters
- Clear, traceable test results for quality assurance and compliance
- Reduced handling time by bringing the tester directly to the cylinder
- Improved efficiency and productivity in workshop environments

CBW-300



AUTOMATIC DIGITAL CYLINDER TESTER



Benefits

- Safe operation with fully enclosed design
- Accurate, repeatable test results
- Full traceability with digital test reports
- Reduced setup time and improved workflow efficiency

Key Features

- Automated hydraulic cylinder testing and flushing
- Integrated hydraulic power pack and large-capacity oil tank
- Built-in electrical board and instrumentation
- Continuous contamination monitoring during flushing

AUTOMATIC DIGITAL CYLINDER TESTER

Model	HE-ADCT-01	HE-ADCT-02
Tank Capacity	400 litre	650 litre
Max Testing Pressure	450 bar	415 bar
Cylinder Specification	5000mm extended length, 500mm diameter	10,000mm extended length, 600mm diameter
Weight	1,200kg (empty)	2,000kg (empty)
Max Cylinder Weight	600kg	15 q
Pneumatic Feeding System Pressure Min/Max	6/9 bar	8/10 bar
Internal Tank Capacity	200 litres	500 litres
Max Fluid Temperature	50 degrees	

This ISO 10100:2020-compliant automated cylinder tester is designed for safe, accurate hydraulic cylinder testing and flushing.

AUTOMATIC DIGITAL CYLINDER TESTER

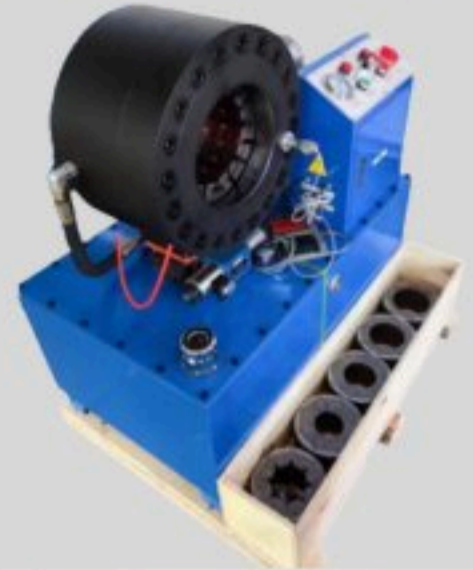
Circuit	High Pressure Axial Pump	Low Pressure Axial Pump	Oil Filtration	Pilot
Max Working Pressure	Up to 415 bar	100 bar	10 bar	100 bar
Oil Flow Rate	25 L/Min	60 L/Min	80 L/Min	80 L/Min

HOSE COUPLING MACHINE



Additional Information

- Engineered for safe, efficient, and precise hydraulic hose maintenance
- Suitable for both workshop and industrial environments
- Designed to streamline workflow and reduce manual effort
- Delivers consistent, high-quality crimping and cutting results
- Wide range of models available to suit different hose sizes and materials
- Flexible configurations allow use across multiple hydraulic applications



NO.	MODEL/TYPE	LOCKING/PEEL/CUTTING RANGE	POWER/MOTOR	VOLTAGE	PRODUCTION/SPEED	EXTERNAL DIMENSIONS	WIEGHT	OTHER	ADDITIONAL FEATURE SPEC
1	HEM PSM Pipe Cutting Machine	φ6-51 mm	3/4 KW	220/380 V	2900 r/min	760 x 560 x 870 mm	100 KG	Maximum diameter 80 mm	Smoke exhaust interface and dust removal device
2	HEM PM Stripping Machine	φ6-51 mm	0.4 KW	220/380 V	140 r/min	530 x 530 x 1150 mm	80 KG	Maximum diameter 80 mm	Safety protection device included
3	HEM-QB-51 (cutting & stripping)	φ6-51 mm	3/4 KW	220/380 V	2850 r/min	780 x 560 x 1100 mm	-	Maximum pipe cutting inner diameter 51 mm	Peel & cutting combo

MODEL	LOCKING/PEEL/CUTTING RANGE	SETS	FORCE	POWER	VOLTAGE	WIEGHT
HEMM500-AB	φ6-51 mm	10	500 T	3-4 kW	220/380 V	260 kg
HEMM500-ABC	φ6-51 mm	10	500 T	3-4 kW	220/380 V	260 kg
HEMM500-C	φ6-51 mm	10	500 T	3-4 kW	220/380 V	300 kg
HEMM500-K	φ6-51 mm	10	500 T	3 kW	220/380 V	300 kg
HEMM500-D	φ6-51 mm	10	500 T	3 kW + 0.6 kW	220/380 V	300 kg
HEMM500-SY	φ6-51 mm	10	500 T	—	—	200 kg
HEMM500-V	φ6-51 mm	10	400 T	1.6 kW	12-24 V	200 kg
HEMM76	φ6-76 mm	13	650 T	4 kW	220/380 V	480 kg
HEMM102	φ6-102 mm	16	750 T	4-5.5 kW	220/380 V	560 kg
HEMM150	φ6-150 mm	18	650 T	5.5 kW	220/380 V	800 kg
HEMM120	φ6-76 mm	15	650 T	4-5.5 kW	220/380 V	1300 kg
HEMM38	φ6-38 mm	8	400 T	3-4 kW	220/380 V	200 kg
HEMM25	φ6-25 mm	8	100 T	—	—	200 kg
HEMM500-L	φ48-57 mm	3	650 T	3-4 kW	380 V	240 kg
HEMM500-XZ	φ48-51 mm	3	650 T	3-4 kW	380 V	255 kg



OIL FILTRATION UNITS AND LIFTING JACK



HEMS LTD

KEEP YOUR EARTH MOVING MACHINERY MOVING

OIL FILTRATION UNIT HE-MF-15

Pump Flow	Gear Type Mono Block Pump, 30 L/Min
Max Operating Pressure	0 - 15 bar
Hoses	Flexible Hoses 3m long suction and outlet
Viscosity	Hydraulic & Lube Oil (up to 100 cSt)
Working Temperature	0 - 40 degrees
Particle Analyser	Portable Particle Counter (to be ordered separately)

HE-MF-20

Pump Flow	Gear Pump, 40 L/Min
Max Operating Pressure	10 bar
Inlet Filter	149 Micron (SS Mesh Type) washable filter
Particle Analyser	Portable Particle Counter (to be ordered separately)

Key Features

- Advanced oil purification system
- Removes dissolved, emulsified, and free moisture
- Uses low vacuum dehydration technology
- Spreads oil into a thin film for effective evaporation
- Converts moisture to vapor under vacuum
- Improves oil quality and service life

Benefits

- Rapid removal of fine solid particles and moisture
- Improved oil cleanliness and performance
- Reduced wear on hydraulic and lubrication systems
- Lower maintenance and operating costs
- Extended oil and equipment life



LIFTING JACK

FEATURES	RESULTS
Welded steel construction with heavy-duty chassis	Reliable performance in demanding working conditions
3" ground clearance	Suitable for a wide range of working environments
Simple three-position control (up/ hold/ down)	Easy, safe operation with minimal operator training
Supplied with standard electric pump	Consistent and dependable lifting performance
Optional pneumatic (air-operated) pump	Flexible power options for workshop or site use
Accessories available to increase stroke capacity	Adaptable to different machines and lifting requirements
Compact and portable design	Easy positioning and transport in confined spaces
Vertical lifting Capacity up to 100 tons	High lifting capability in a compact footprint



ENGINE STANDS



HEMS LTD

KEEP YOUR EARTH MOVING MACHINERY MOVING

FLOOR MOUNTED & MOBILE ENGINE STANDS

Key Features

- Specialised engine rotating stand packages
- Supplied with adapter plates for all major engine and transmission makes
- Designed for safe engine and transmission handling

Benefits

- Increased maneuverability, reducing labor hours by up to 50%
- Eliminates manual handling and non-productive movements
- Reduced risk of workplace injuries
- Improved efficiency in workshop operations

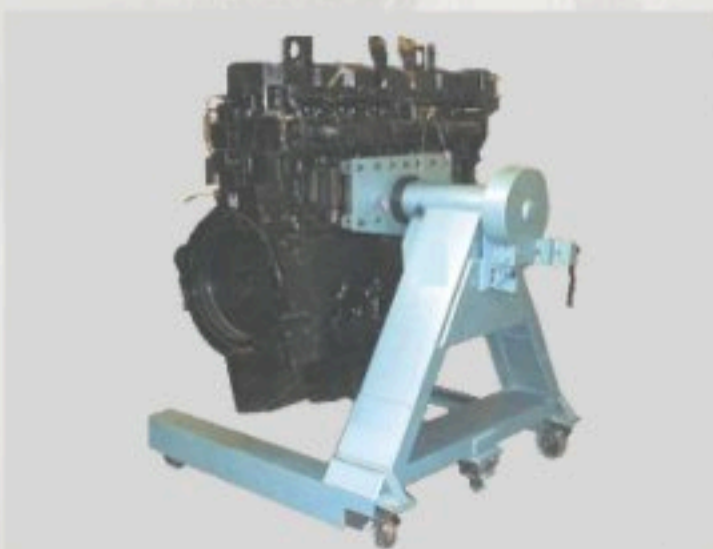
	HM-ES-1050	
	Floor Mounted	Mobile
Capacity	760kg	
Spindle Height	876mm	889mm
Height	1050mm	
Width	460mm	710mm
Length	870mm	1170mm
Net Weight	102kg	110kg



	HM-ES-1076	
	Floor Mounted	Mobile
Capacity	1520kg	
Spindle Height	914mm	940mm
Height	1076mm	
Width	460mm	890mm
Length	920mm	1220mm
Net Weight	190kg	210kg



HM-ES-2000	
Capacity	3000kg
Spindle Height	1000mm
Height	1150mm
Width	1372mm
Length	1372mm
Weight	350kg



ENGINE STANDS



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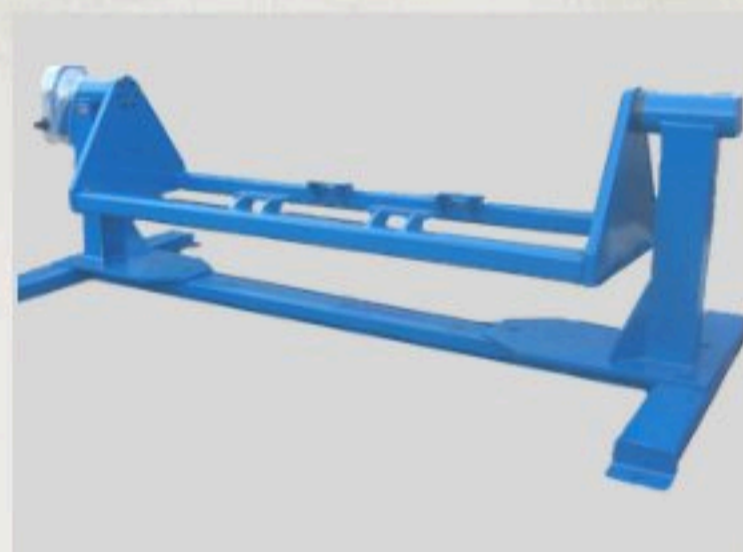
HM-ES-6000

Capacity	5000kg
Height	1200mm
Width	1600mm
Length	3500mm
Net Weight	1050kg



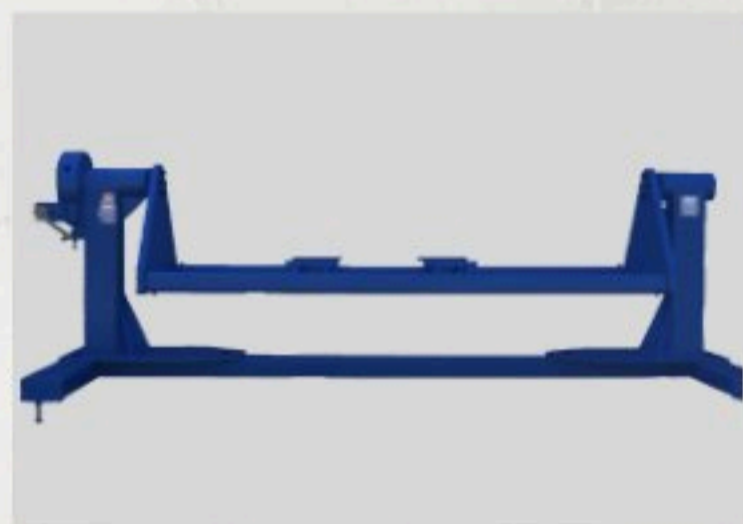
HM-ES-7000

Capacity	7000kg
Height	1350mm
Width	1850mm
Length	4500mm
Net Weight	1825kg



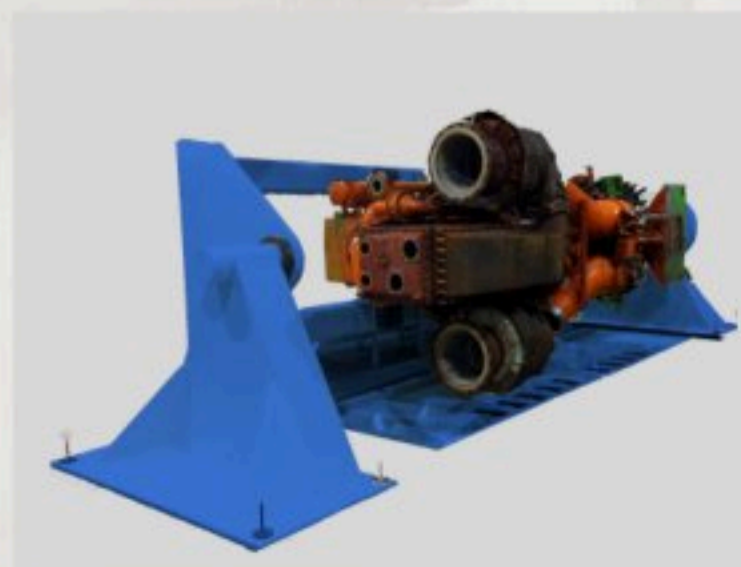
HM-ES-12000

Capacity	12,000kg
Height	1200mm
Width	1845mm
Length	4392.5mm



HM-EN-13-25

Capacity	20,000kg (floor mounted)
Height	1850mm
Width	2000mm
Length	5620mm
Net Weight	4500kg



TYRE PRESS & WORKSHOP PRESS



HEMS LTD
KEEP YOUR EARTH MOVING MACHINERY MOVING

TYRE PRESS

TYRE PRESS			
	HTP-100	HTP-200	HTP-300
Capacity	100T	200T	300T
Construction	Fabricated H Frame		
Cylinders	1		
Stroke	300mm	500mm	600mm
Day-light Gap	1000mm	1500mm	2000mm
Width	1700mm	2100mm	2650mm
Table Size	1500 x 1500mm		2200 x 2200 mm
Moving Plate	Ø600mm (spider plate with spiders)	Ø1000mm (spider plate with spiders)	Ø1000mm (double-thick)



Key Features:

- Designed for busy workshops and tyre service depots
- Handles solid tyres from small skid-steers to large industrial equipment
- Optional additional tooling sets available Applications

Ideal for industries including:

- Recycling
- Plant and industrial services
- Earth moving
- OTR (Off-the-Road)

HYDRAULIC PRESS (WORKSHOP PRESS)

Key Features

- Workshop hydraulic press with capacities from 15 to 500 tons
- Designed for bearing, sprocket, and gear removal and fitment
- Suitable for shaft straightening and general maintenance
- Double-acting hydraulic cylinder
- Single-stage 2 HP hydraulic power pack
- Hand-lever operated directional control valve
- Supplied with standard accessories:
 - V-blocks (2)
 - Ram adaptor (1)
 - Hand-operated winch for daylight adjustment

Benefits

- Wide capacity range for multiple applications
- Controlled and precise pressing operations
- Reliable hydraulic performance for workshop use
- Versatile solution for maintenance and repair tasks



PNEUMATIC TYRE PRESS

PNEUMATIC TYRE PRESS

The HTP-300-PN Pneumatic Tyre Press is a heavy-duty tyre assembly and disassembly solution engineered for mining and industrial wheel maintenance applications. Designed for reliability, safety, and high-performance operation, the machine combines robust structural construction with advanced hydraulic functionality to deliver efficient and dependable performance in demanding workshop environments.

Benefits

- Improves workshop safety during tyre handling
- Reduces downtime during tyre assembly and disassembly
- Designed for demanding mining environments
- Increases operational efficiency
- Heavy-duty construction for long service life
- Reliable performance under continuous operation

Key Features

- Heavy-duty fabricated steel structure
- Double acting hydraulic cylinder system
- Integrated hydraulic hose cable routing
- Industrial-grade hydraulic system
- Precision engineered for mining applications
- Robust and reliable workshop solution

HTP-300-PN	
Specification	Details
Model	HTP-300-PN
Total Press Capacity	300 Ton
Working Pressure	240 Bar
Maximum Working Pressure	275 Bar
Main Cylinders	75 Ton × 4
Main Cylinder Stroke	1650 ±5 mm
Platform Cylinder Capacity	19 Ton × 1
Platform Cylinder Stroke	3000 ±5 mm
Chuck Cylinders	5 Ton × 8
Chuck Cylinder Stroke	500 ±5 mm
Clamping Span	35"–57" Wheel Assemblies
Table Size	4900 × 4500 mm
Hydraulic Pump	Double Discharge Vane Pump
Flow Rate	95 / 36 LPM
Oil Tank Capacity	300 Litres
Motor	22 kW (30 HP)
Voltage	380–410V, 3 Phase, 50/60 Hz
Approx. Weight	25 Ton



HTP-300-PN



UNDERCARRIAGE REPAIR PRODUCTS



Key points:

- Worn tracks and undercarriage components are common due to harsh working environments.
- With HEMS tooling, workshops can recover up to 50% more life from worn tracks.
- HEMS offers highly efficient repair tools that allow parts to be rebuilt rather than replaced.

Benefits:

- Increased lifespan and resilience of undercarriage parts
- Cost savings through rebuilding instead of replacing components
- Professional-grade equipment tailored for demanding workshop environments



STATIONARY TRACK PRESS

STATIONARY TRACK PRESS				
Description	HEM-UC/200T	HEM-UC/300T	HEM-UC/400T	HEM-UC/500T
Capacity of Cylinders	100 Ton	150 Ton	200 Ton	250 Ton
Bore	180mm	220mm	260mm	290mm
RAM	140mm	180mm	220mm	240mm
Press Daylight	800mm		900mm	
Max Track Pitch	270mm	280mm	300mm	325mm
Effective Area	254.46 cm/sq	380.13 cm/sq	530.93 cm/sq	660.52 cm/sq
Working Pressure	400 bar	400 bar	380 bar	380 bar
Stroke	150mm			
Forward Speed	27.22 mm/sec	21.69 mm/sec	20.17 mm/sec	16.21 mm/sec
Pressing Speed	6.94 mm/sec	6.53 mm/sec	5.93 mm/sec	4.77 mm/sec
Voltage	380-440 V			

Key Features

- New stationary track press from HEMS
- Suitable for track chain pitches up to 325 mm
- Robust, heavy-duty construction
- Part of HEMS' established range of undercarriage maintenance equipment
- Engineered for long-term performance and durability

Benefits

- Enables safe and efficient assembly and disassembly of track chains
- Improves workshop productivity and reduces downtime
- Designed for continuous, high-volume workloads
- Proven reliability through rigorous in-house testing
- Ideal for demanding tracked vehicle maintenance environments



UNDERCARRIAGE REPAIR PRODUCTS



HEMS LTD
KEEP YOUR EARTH MOVING MACHINERY MOVING

TORQUE WRENCH

Key Features

- Electric torque wrench with servo motor and driver control system
- Designed for shoe bolt removal and tightening on track chains
- Suitable for small, medium, and large track chain sizes
- Two-speed operation:
 - Low speed / high torque for bolt breakaway and final tightening
 - High speed / low torque for rapid bolt removal or initial tightening

Benefits

- Faster and more controlled bolt removal and installation
- Reduced operator effort and fatigue
- Consistent torque application
- Improved efficiency in track maintenance operations



ELECTRIC TORQUE WRENCH WITH ELECTRIC SERVO MOTOR AND DRIVER CONTROL SYSTEM

	HEM-UC/T7500	HEM-UC/T8500
Max Torque	7,500 Nm	8,500 Nm
Electric Motor	4.5 Kw	5.5 Kw
Torque Operation	Electric / Joystick	
Torque Setting	Programmable	

ROLLER CONVEYOR SYSTEM- COMPLETE SETUP OF WINCH-GEARED MOTOR AND ROPE WITH PENDANT CONTROL

Description	HEM-MRC 188M
Length	11 metres
Height	690 mm
Width	710 mm
Winch Capacity	2 ton
Electric Motor	2 HP, 230 V Single Phase or 410-440 V 3 Phase

ELECTRIC TRACK WINDER

Key Features

- Designed for winding and unwinding track chains
- Installed in line with a roller conveyor for efficient operation
- Used with roller conveyor for track disassembly
- Extremely robust construction
- Suitable for large-sized track chains

Benefits

- Controlled and efficient track winding and unwinding
- Seamless integration into track disassembly lines
- Reliable performance for heavy-duty applications
- Reduced handling time and improved workflow efficiency

ELECTRIC TRACK WINDER	
Description	HEM TW/L
Max Torque	8,500 Nm
Spindle Speed	2 rpm
Electric Motor	5 HP, 3 phase
Torque Operation	Pendant
Voltage	380-440 V



UNDERCARRIAGE REPAIR PRODUCTS



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HEMS SPROCKET PULLER

Key Features

- 100 Ton double-acting hydraulic cylinder with 350 mm stroke for high-force applications
- Durable 3-jaw pulling system ensuring secure attachment and even load distribution
- Threaded central bar for controlled and precise sprocket removal
- Portable design suitable for both workshop and on-site use
- Electric pumping unit with 35-litre oil tank for consistent performance
- 2 HP motor (110/230V single phase or 410–430V three phase options)
- Built-in manual hand pump for backup operation
- Operates at up to 700 bar pressure with DCV valve and pressure gauge
- 0.9 L/min flow rate for smooth operation



Benefits

- Enables safe and controlled sprocket removal, reducing risk of damage
- Improves operator safety compared to manual methods
- Provides high pulling force for heavy-duty applications
- Ensures accurate and stable operation
- Helps reduce downtime and improve maintenance efficiency
- Offers flexibility with multiple power options
- Reliable performance with manual backup capability
- Easy to transport and use in various working environments

CAPACITY (TON)	PUMP (INCLUDED)	WORKING PRESSURE (BAR)	STROKE (MM)	CLOSED HEIGHT OF CYLINDER (MM)	ARM LENGTH (MM)	CYLINDER OD (MM)	CYLINDER BORE (MM)	RAM (MM)	EFFECTIVE AREA (CM ²)	WEIGHT (KG)
100	Dual Control	700	350	605	1000	180	140	70	153.9	305

Key Features

- Designed for the removal and installation of king pins in steer axle assemblies
- Supplied with all necessary tooling for safe operation
- 75 Ton hydraulic cylinder for high-force applications
- Integrated manual hand pump for controlled hydraulic operation
- Pneumatic quick-stroke extend/retract valve to assist faster positioning
- Heavy-duty construction suitable for workshop environments

Benefits

- Enables safe and efficient removal and installation of king pins
- Helps reduce risk of damage to components during maintenance
- Improves operator safety compared to manual methods
- Supports more efficient maintenance processes
- Provides controlled operation when handling high-force applications

KING PIN PRESS



MODEL NUMBER	CAPACITY (TON)	STROKE (MM)	WORKING PRESSURE (KG/CM ²)	PNEUMATIC PRESSURE (KG/CM ²)	APPROX WEIGHT (KG)	CLEAR HEIGHT (MAX)
HEM-KPP	75ton	120mm	700Kg/cm ²	13Kg/cm ²	128Kg	480mm

OTHER PRODUCTS

DIGITAL PORTABLE HYDRAULIC FLOW TESTER

Benefits

- Measures hydraulic flow, pressure, and oil temperature simultaneously, saving time on diagnostics
- Enables fast, on-site testing without dismantling hydraulic systems
- Improves troubleshooting, preventive maintenance, and performance verification
- Safe and accurate testing with an integrated loading valve
- Portable, compact design ideal for field and workshop use
- Reliable, professional-grade diagnostic accuracy

Key Features

- Digital portable hydraulic flow tester
- Simultaneous measurement of flow, pressure, and temperature
- Maximum working pressure up to 420 bar
- Built-in loading valve for controlled performance testing
- Quick-connect hoses for easy operation
- Rechargeable 12V lithium battery with long working time
- Rugged, lightweight portable carry case
- Suitable for construction, industrial, and mobile hydraulic systems



HYDRAULIC POWER PACK WITH WIRELESS REMOTE CONTROL

Key Features

- Hydraulic power pack with wireless remote control
- Compact, lightweight design
- Heavy-duty steel oil tank
- High-efficiency hydraulic pump
- Integrated valve with pressure control
- Built-in oil filtration system
- Overheat protection for safe operation
- Suitable for mobile and custom machinery

Benefits

- Remote operation improves safety and convenience
- Allows single-operator use
- Reliable hydraulic power for demanding applications
- Easy to install and transport
- Reduces downtime with durable construction
- Ideal for agricultural, plant, and vehicle equipment

SPECIFICATION	DETAILS
Control	Wireless Remote
Operation Range	Up to ~20 metres
Tank Type	Heavy-duty steel
Voltage	12V / 24V options
Oil Capacity	Approx. 10-12 litres
Applications	Truck, plant, agricultural machinery



OTHER PRODUCTS

SPECIFICATION	HEM-UCM 5000	HEM-UCM 6000	HEM-UCM 1500
Application Size	Medium-duty	Medium-Heavy-duty	Heavy-duty / Industrial
Ultrasonic Power	5 kW	6 kW	15 kW
Heating Power	10 kW	14 kW	40 kW
Rated Power	16 kW	21 kW	56 kW
Power Supply	380V + N + PE	380V + N + PE	380V + N + PE
Ultrasonic Frequency	28 kHz	28 kHz	28 kHz
No. of Transducers	50 x 100 W	60 x 100 W	150 x 100 W
Inner Tank Size (mm)	1000 x 550 x 560	1220 x 600 x 600	1500 x 1000 x 1000
Overall Dimensions (mm)	2000 x 850 x 850	2200 x 900 x 900	2000 x 1900 x 1260
Max Load Capacity	≤ 200 kg	≤ 300 kg	≤ 800 kg
Tank Material	SS 304 (2.0 mm)	SS 304 (2.0 mm)	SS 304 (2.0 mm)
Outer Shell	Stainless steel (0.9mm)	Stainless steel (0.9 mm)	Stainless steel (0.9 mm)
Oil-Water Separation	Integrated	Integrated	Integrated
Control System	Digital temp & timer	Digital temp & timer	Digital temp & timer
Cover Type	Gas spring insulated	Gas spring insulated	Pneumatic (≥ 0.6 MPa air)
Mobility	heels + adjustable feet	Wheels + adjustable feet	Wheels + adjustable feet

ULTRASONIC CLEANING MACHINE

Key Features

- Industrial ultrasonic cleaning machines
- Designed for heavy-duty, precision cleaning
- Stainless steel construction for durability and hygiene
- Advanced ultrasonic technology for deep, consistent cleaning
- Available in multiple sizes and capacities
- Digital temperature and timer controls
- Optional filtration and oil separation systems
- Suitable for continuous industrial operation

Benefits

- Removes grease, carbon, oil, and contaminants thoroughly
- Cleans complex and hard-to-reach components
- Improves component lifespan and performance
- Reduces manual labor and cleaning time
- Delivers consistent, repeatable cleaning results
- Ideal for automotive, engineering, manufacturing, and refurbishment
- Reliable, low-maintenance solution for demanding environments



TRUCK LIFT



HE-30TL		HE-20TL		HE-30TL/HW	
Type	Mechanics	Type	Mechanics	Type	Hydraulic Wireless
Capacity	30T	Capacity	20T	Capacity	30T
Single Column Lift	7.5T	Single Column Lift	5T	Single Column Lift	7.5T
Lift Height (mm)	1500	Lift Height (mm)	1500	Lift Height (mm)	1700
Lift Speed (mm/min)	600	Lift Speed (mm/min)	600	Lift Speed (mm/min)	1260
Down (mm/min)	600	Down (mm/min)	600	Down (mm/min)	1260
Size (mm)	1300* 1330* 2540*	Size (mm)	1300* 1330* 2540*	Size (mm)	1250* 1140* 2570*
Weight (Kg)	738 Kg	Weight (Kg)	685 Kg	Weight (Kg)	700 Kg
Motor Power (Kw)	3Kw	Motor Power (Kw)	2.2 Kw	Motor Power (Kw)	2.2 Kw
Adjust Range for Tire	650-1200mm	Adjust Range for Tire	650-1200mm	Adjust Range for Tire	650-1200mm
Safety Measures	Safety Lock	Safety Measures	Safety Lock	Safety Measures	Mechanical lock/Explosion proof valve

OTHER PRODUCTS

BRAKE SHOE RIVETING MACHINE

HE-VSR 60

Application	Truck brake shoe plate riveting & punching
Riveting Force	60 kN (6 T)
Working Pressure	0.5–0.8 MPa
Max. Rivet Ø	10 mm
Stroke	40 mm
Air Supply	External air compressor
Net / Gross Weight	75 kg / 85 kg
MEAS	0.40 CBM

Benefits

- Compact vertical design for workshop efficiency
- Reliable pneumatic riveting performance
- Suitable for copper and aluminium rivets
- Reduces manual effort and operator fatigue
- Consistent, professional-quality results
- Ideal for small to medium brake relining operations

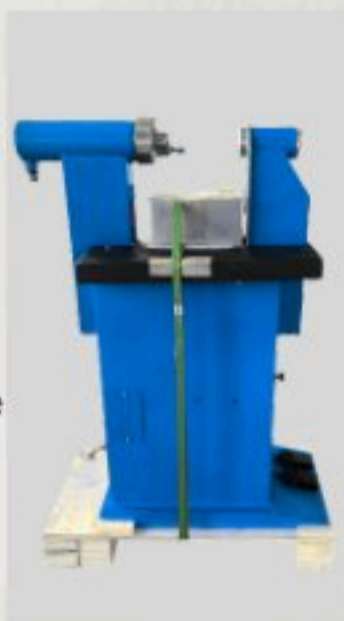


HE-BSR/E 10

Application	Riveting of brake shoes, discs, drums, linings & pads
Type	Automatic
Power Supply	220V / 380V
Working Stroke	120 mm
Working Pressure	10 MPa
Motor Power	1.5 kW
Rivet Ø Range	6–12 mm
Gross Weight	127 kg
Machine Size	850 × 450 × 1200 mm
MEAS	0.46 CBM

Benefits

- Fully automatic operation for high efficiency
- Wide application across multiple brake components
- Consistent and precise riveting results
- Reduces operator effort and cycle time
- Suitable for professional and high-volume workshops
- Robust construction for long-term use



HE-BSR-80

Force	80kN (8T)
Rivet Ø	≤10 mm (Cu / Al)
Pressure	0.5–0.8 MPa
Stroke	40 mm
Air	External compressor Required
Gross Weight	107 kg
Size	580x520x1530 mm
MEAS	0.046

Benefits

- Increases throughput in brake relining operations
- Ensures consistent, high-quality results
- Minimises manual labour and rework
- Built for demanding workshop environments



HE-BSR/E-80

Function	Electro-hydraulic riveting & piercing
Rivet Material	Cu / Al / Fe
Riveting Force	80 kN (8 T)
Rivet Ø	6–12 mm
Stroke	150 mm
Speed	Stepless control
Motor	1.5 kW
Punches / Heads	2 punches / 3 heads
Gross Weight	95 kg
Machine Size	650 × 410 × 1140 mm
MEAS	0.30 CBM

Benefits

- High-force electro-hydraulic performance
- Piercing and riveting in one operation
- Precise, controlled working speed
- Suitable for multiple brake shoe types
- Improves efficiency and reduces manual effort



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HEMS Ltd x Delahenty - a strategic collaboration supplying high-quality tooling solutions for heavy equipment maintenance across Australia.
+61 1300 787 312

