HEMS
HEAVY EQUIPMENT MAINTENANCE SOLUTIONS LIMITED

BRITISH ENGINEERING. TRUSTED GLOBALLY
KEEP YOUR EARTH MOVING MACHINERY MOVING

HYDRAULIC CYLINDER REPAIR CATALOGUE

CYLINDER REPAIR BENCHES

HONING BENCHES

TESTING & SERVICING

PROFESSIONAL HYDRAULIC REPAIR SOLUTIONS

BENCHES, HONING, TESTING AND SERVICING EQUIPMENT

GLOBAL TOOLING SUPPLIER



2026 EDITION

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PORTABLE CYLINDER REPAIR BENCH KIT
PCRB-4000

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED



SPECIFICATIONS

Torque Capacity of Nut Buster	49,759 Nm (350 bar)
Acting Cylinder	Single or Double
Maximum Cylinder Diameter	200 mm
Maximum Cylinder Weight	1000 Kg
Extraction Cylinder Capacity	10 T
Extraction Stroke	1000 mm
Extraction Open Length	2000 mm
Open Length with Extension Bar	3000 mm
Max Floor Space	2.8 Sq/m
Motor Power	3 HP
Hydraulic System Pressure	350 bar

COMPACT DESIGN
Fits into a 75" x 60" x 50" storage box

HYDRAULIC CONTROL
Hydraulic directional control valve with ratchet mechanism

3HP POWER PACK
Supplied with 3HP hydraulic power unit

PORTABLE CYLINDER REPAIR BENCH KIT
PCRB-5000

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED



SPECIFICATIONS

Torque Capacity of Nut Buster	51,552 Nm
Acting Cylinder	Double
Maximum Cylinder Diameter	300 mm
Maximum Cylinder Weight	1200 Kg
Extraction Cylinder Capacity	10 T
Extraction Stroke	2000 mm
Extraction Open Length	2000 mm
Open Length with Extension Bar	5000 mm
Cylinder Additional Extension	1000 mm
Motor Power	3 HP
Hydraulic System Pressure	350 bar

DOUBLE ACTING TORQUE
Powerful double acting torque system

UP TO 1200 KG CAPACITY
Supports cylinders up to 1200 kg

350 BAR SYSTEM
High Pressure 350 bar hydraulic system

ATTACHMENTS INCLUDED

All the attachments you need for professional cylinder repair.



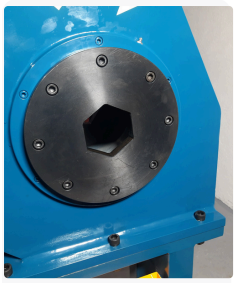
UNIVERSAL WRENCH



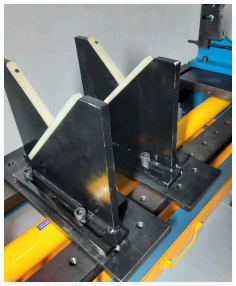
CLEVIS LOCK PLATES



SOCKET DRIVE SET



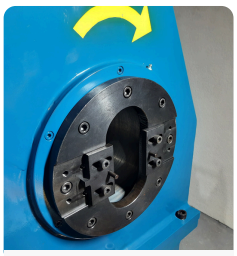
2 x SPANNER PLATES



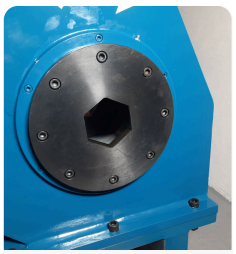
V CHUCKS



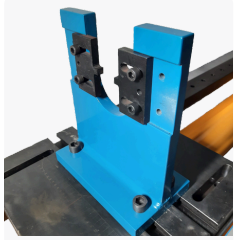
MOUNTING BARS



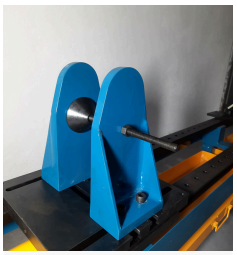
GLAND NUT SPANNERS



3-SLOT SPANNER



GIANT NUT SPANNERS



CLEVIS SUPPORT



SPARE BED PLATE



CYLINDER EXTENSION BAR

SPECIFICATIONS

Model	PCRB-2000	PCRB-4000	PCRB-5000
Design	Portable Bench	Portable Bench	Portable Bench
Torque Capacity	7,500 Nm (350 bar)	49,759 Nm (350 bar)	38,000 lbs ft (350 bar)
Cylinder Operation	Single Acting	Double Acting	Double Acting
Maximum Outer Diameter	100 mm	200 mm	300 mm
Extension Cylinder Capacity	5 Ton	10 Ton	10 Ton
Extension Cylinder Stroke	600 mm	1000 mm	2000 mm
Bench Length	-	4265 mm	5500 mm
Motor Stroke	5 HP	3 HP	3 HP
Nut Runner Torque	250 Nm	250 Nm	250 Nm
Nut Runner Speed	14 - 100 RPM	14 - 100 RPM	14 - 100 RPM
Built-in Spanner	No	Yes	Yes
Hydraulic Pressure	300 bar	350 bar	350 bar
Hydraulic Reservoir Capacity	100 Litres	40 Litres	40 Litres
CE & UKCA Compliant	Yes	Yes	Yes

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SCISSOR JACKS

OPTIONAL ACCESSORY FOR PCRB

HEMS Scissor Jacks are optional accessories developed for easy use to adjust the barrel and ram height with precision. Comes with Nylon pad to safeguard ram surface. Easy to use and is suitable for both PCRB 4000 and PCRB 5000 models.

UP TO 1 TON LOAD CAPACITY



- SAFE OPERATION
- EASY TO USE
- LIGHT WEIGHT
- PRECISION HEIGHT ADJUSTMENT
- NYLON PAD PROTECTS RAM SURFACE

SUITABLE FOR:



Used with PCRB 4000



Used with PCRB 5000

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CHAIN VISE STAND

A STRONG HOLD FOR A SMOOTHER SERVICE

STRONG GRIP
WITH HEAVY DUTY CHAINS

RUGGED CONSTRUCTION
FOR WORKSHOP & SITE USE

OPTIONAL MOBILE STAND
FOR EASY MOVEMENT

IDEAL FOR REPAIR & TESTING
KEEPS CYLINDER SECURE



VERSATILE. RELIABLE. PRACTICAL.

HEMS Chain Vise Stand is designed for hydraulic repair shops and service centers, specially at site where no other option is available to repair the cylinder. Designed for smaller cylinders and everyday repair work, it helps to secure cylinders for assembly, disassembly, inspection, and testing. The optional stand with wheels is easy for transportation and movement. This vice also holds the cylinder to remain secured during testing.

CYLINDER SIZE TO HOLD

80 mm Dia to 300 mm Dia

Larger sizes are also available for up to 600 mm Dia cylinders.



FRONT VIEW



CHAIN VISE DETAIL



WITH OPTIONAL WHEELS

SUITABLE FOR:

ASSEMBLY | DISASSEMBLY | INSPECTION | TESTING

TRUSTED PARTNER IN HYDRAULIC MAINTENANCE

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CYLINDER HONING BENCH

HEMS WS CH 5M

REDUCES LABOUR TIME | HEAVY-DUTY CONSTRUCTION | SAFER REPAIRS | CE & UKCA CERTIFIED



SPECIFICATIONS

Honing Diameter	50 -550 mm
Maximum Stroke	5000 mm
Centre Height	>480 mm
Spindle Speed	15 - 150 rpm
Reciprocating Speed	1 - 30 m/min
Cooling Tank Capacity	300 L
Surface Finish	Ra 0.2 - 0.4
Accuracy	IT7 -IT8
Dimensions (L X W x H)	14,500 x 1000 x 1700 mm

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ROD POLISHING MACHINE HEM-RP-8000

The HEM-RP-8000 is a high-performance pipe outer polishing machine designed for consistent, high-quality surface finishing on a wide range of pipes and tubes.





KEY SPECIFICATIONS

Pipe Diameter Range	60 - 500 mm
Maximum Polishing Length	8,000 mm
Grinding Head Motor	5.5 kW
Head Travel Motor	0.37 kW
Head Lift Motor	0.18 kW
Workpiece Drive	3 x 22 kW
Total Power	11.55 kW
Machine Size (L x W x H)	9,600 x 2,200 x 1,900 mm
Weight	3 t
Surface Roughness	Ra ≤ 0.4 µm
Power Supply	380 V / 50 Hz
Air Supply	0.2–0.6 MPa · 0.6 m³/min

SUITABLE FOR:

- Stainless Steel Pipes & Tubes
- Carbon Steel Pipes & Tubes
- Hydraulic Cylinder Piston Rods
- Pipe Manufacturing
- Industrial Polishing Applications

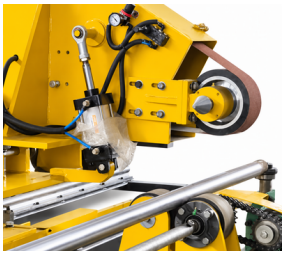
MACHINE FEATURES:

POWERFUL GRINDING HEAD
High performance motorised grinding head for consistent, high-quality polishing results.

ROTATING PIPE DRIVE
Multi-drive roller system ensures stable rotation and smooth polishing of long workpieces.

ABRASIVE BELT POLISHING
Efficient belt polishing system delivers excellent surface finish and reliable material removal.

KEY COMPONENTS:



Grinding Head
Gear, rack and reducer drive vertical movement; VFD sets horzontal travel speed, pneumatic tracking pressure keeps polishing even.



Control Panel
Electrical and pneumatic controls share one cabinet for operation, actuation and grinding-head feed.



Frame
Welded 80 x 80 mm or 100 x 100 mm square-tube construction.



Roller Support
Removable horizontal stop can be repositioned for the job. Grinding head and workpiece rotate clockwise.



Polishing Components
Abrasive belt, polishing cloth, hemp wheel and grinding wheel are interchangeable for different surface finishes.

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AUTOMATIC CYLINDER DIGITAL TESTER

HE-ADCT SERIES

REDUCES LABOUR TIME | HEAVY-DUTY CONSTRUCTION | SAFER REPAIRS | CE & UKCA CERTIFIED



SPECIFICATIONS

Model	HE-ADCT-01	HE-ADCT-02
Tank Capacity	400 Litre	650 Litre
Max Test Pressure	450 Bar	415 Bar
Max Cylinder Weight	600 Kg	15 Tonne
Max Cylinder Length	5,000 mm	10,000 mm
Max Cylinder Diameter	500 mm	600 mm

PORTABLE CYLINDER DIGITAL TESTER

PHT-415

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED



SPECIFICATIONS

Electric Systems
Voltage: 400V 3-Phase
Frequency: 50 Hz
Power: 5kw

Air moltiplicator x4 pression max
32 Bar

Pneumatic Feeding Systems
Flow Rate: 180L/min
Air Multiplier: 4x

Electric Motor
Type: 3-Phase Asynchronous
Power: 5Kw

Hydraulic Plant
Tank Capacity: 700 Litre
Max Oil Temp: 60°C
Max Flow: 20L/min

Max Pressure: 415 Bar (6000 psi)
Fluids Allowed: Oil ISO VG 32/46

Digital Control
Accurate Readings and easy operation

Built To Perform
Reliable testing for demanding applications

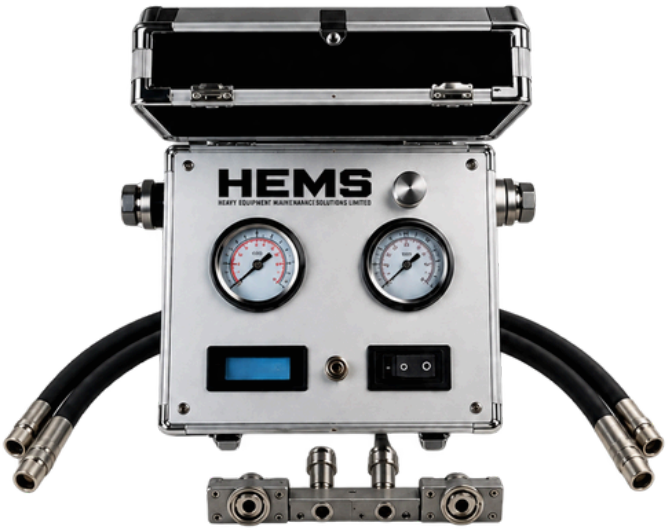
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DIGITAL PORTABLE HYDRAULIC FLOW TESTER

10-1000 TON RANGE

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED



SPECIFICATIONS

Measures	Flow, Pressure & temperature
Max. Working Pressure	Up to 420 bar
Battery	Rechargeable 12v lithium Battery
Loading Valve	Integrated for controlled performance testing
Hose Connection	Quick-connect hoses for easy operation
Carry Case	Rugged, lightweight portable case
Applications	Construction, industrial, and mobile hydraulic system

FLOW, PRESSURE & TEMPERATURE | FAST ON-SITE TESTING | ACCURATE RESULTS | PORTABLE DESIGN

HYDRAULIC CYLINDERS

10-1000 TON RANGE

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED



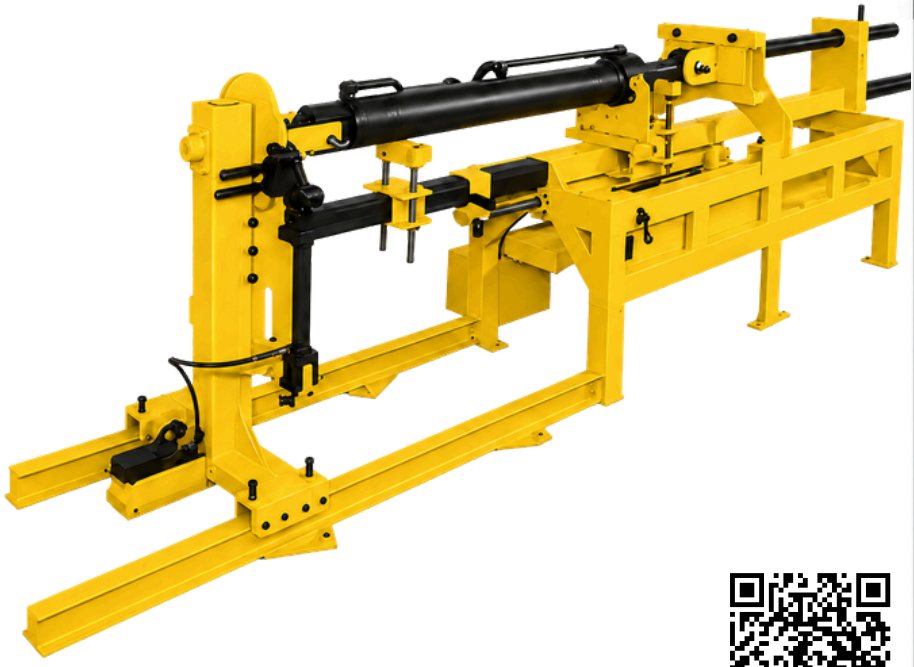
SPECIFICATIONS

Standard Cylinders	10-1000 Ton
Custom Cylinders	Bespoke Designs
Heavy Duty Cylinders	High Load Applications
Hydraulic Power Packs	Up to 700 Bar

CYLINDER REPAIR BENCH

HCS-25-LS

REDUCES LABOUR TIME | HEAVY-DUTY CONSTRUCTION | SAFER REPAIRS | CE & UKCA CERTIFIED



SPECIFICATIONS

Model	HCS-25-LS
Torque Capacity	25,000 Lbs ft (3457.5 Kg-m)
Torque Cylinder	Single Acting
Max. Extended Cylinder Length	22 ft (6.7 m)
Max. Cylinder Diameter	16 in (406.4 mm)
Max. Floor Space (Length)	23 ft (7.0 m)
Max. Floor Space (Width)	3 ft (0.9 m)
Max. Required Air Space	10 ft (3.0 m)
Power Required	Shop Air & Single-Phase
Motor Power	2 HP
Built-in Spanner Wrench	Yes
Access Required	Front & Rear
Torquer Stroke Speed	10 in Stroke (29 Sec / ft)
Rod Extraction / Installation Speed	48 in Stroke (7.6 Sec / ft)
Pendant Control	No
Extraction Force	8,300 lbs (36.9 KN)

CYLINDER REPAIR BENCH

HCS-2520

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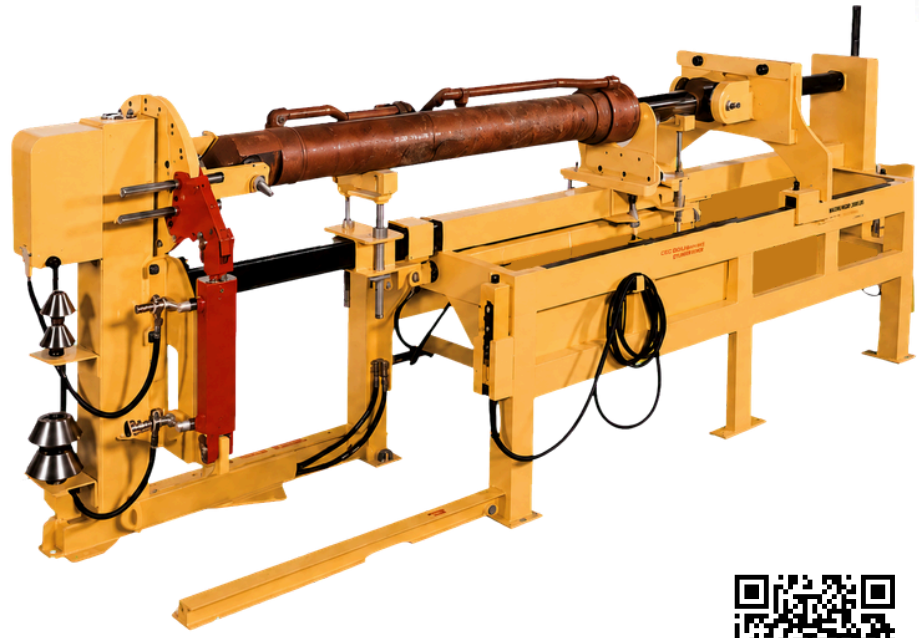


SPECIFICATIONS

Model	HCS-2520
Torque Capacity	25,000 Lbs ft (3450 Kg-m)
Torque Cylinder	Single Acting / Spring Return
Max. Extended Cylinder Length	26 ft (7.9 m)
Max. Cylinder Diameter	22 in (558.8 mm)
Max. Floor Space (Length)	30 ft (9.2 m)
Max. Floor Space (Width)	3 ft (0.9 m)
Max. Required Air Space	10 ft (3.0 m)
Power Required	Shop Air
Motor Power	2 HP
Built-in Spanner Wrench	Yes
Access Required	Front & Rear
Torquer Stroke Speed	10 in Stroke (29 Sec / ft)
Rod Extraction / Installation Speed	14 in Stroke (33 Sec / ft)
Pendant Control	No
Extraction Force	9,900 lbs (44.1 KN)

CYLINDER REPAIR BENCH
HCS-30

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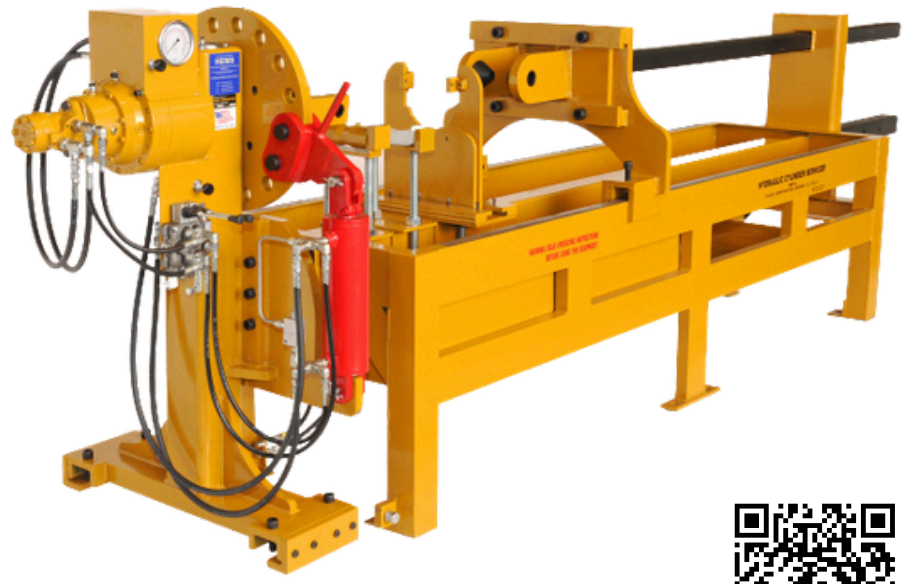


SPECIFICATIONS

Model	HCS-30
Torque Capacity	30,000 Lbs ft (4140 Kg-m)
Torque Cylinder	Double Acting
Max. Cylinder Length (Extended)	22 ft (6.7 m)
Max. Cylinder Diameter	16 in (406.4 mm)
Max. Floor Space (Length)	26 ft (7.9 m)
Max. Floor Space (Width)	3 ft (0.9 m)
Max. Required Air Space	9 ft (2.7 m)
Power Required	All Voltage 50/60Hz/3 Ph
Motor Power	5 HP
Built-in Spanner Wrench	Yes
Access Required	Front
Torquer Stroke Speed	10 in Stroke (14 Sec / ft)
Rod Extraction / Installation Speed	48 in Stroke (52 Sec / ft)
Pendant Control	Yes
Extraction Force	14,400 lbs (62.3 KN)

CYLINDER REPAIR BENCH
HCS-40

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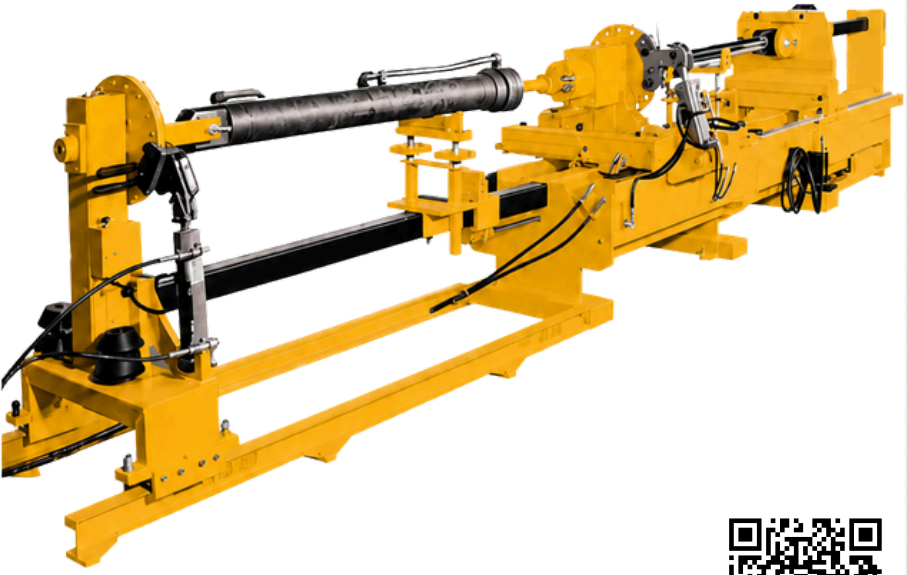
SPECIFICATIONS

Model	HCS-40
Torque Capacity	40,000 Lbs ft (5520 Kg-m)
Torque Cylinder	Double Acting
Max. Cylinder Length (Extended)	26 ft (7.9 m)
Max. Cylinder Diameter	22 in (558.8 mm)
Max. Floor Space (Length)	33 ft (10.0 m)
Max. Floor Space (Width)	3 ft (0.9 m)
Max. Required Air Space	9 ft (2.7 m)
Power Required	All Voltage 50/60Hz/3 Ph
Motor Power	5 HP
Built-in Spanner Wrench	Yes
Access Required	Front
Torquer Stroke Speed	10 in Stroke (13.5 Sec / ft)
Rod Extraction / Installation Speed	48 in Stroke (52 Sec / ft)
Pendant Control	Yes
Extraction Force	14,400 lbs (62.3 KN)

CYLINDER REPAIR BENCH

HCS-60

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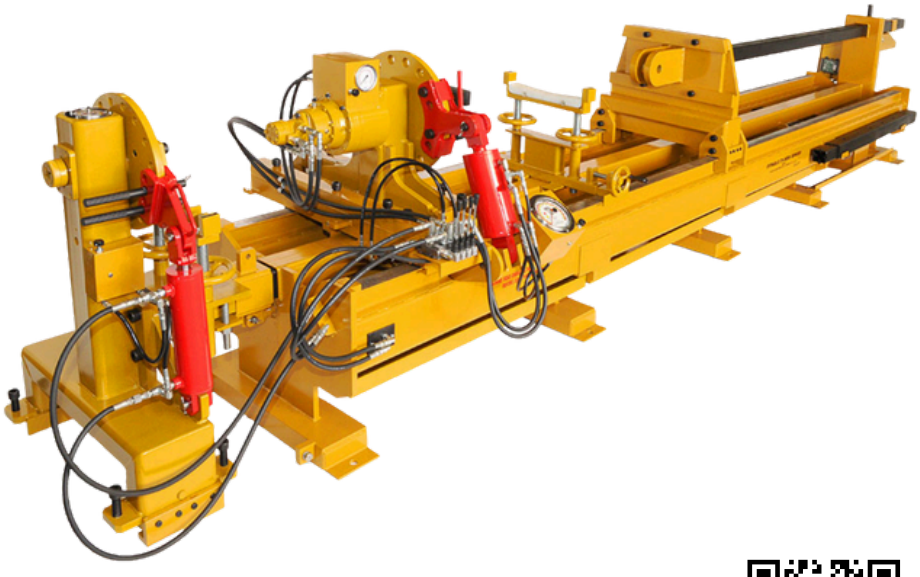
SPECIFICATIONS

Model	HCS-60
Torque Capacity	60,000 Lbs ft (5520 Kg-m)
Torque Cylinder	Both Double Acting
Max. Cylinder Length (Extended)	24 ft (7.3 m)
Max. Cylinder Diameter	20 / 30 in (508 / 762 mm)
Max. Floor Space (Length)	32 ft (9.8 m)
Max. Floor Space (Width)	5 ft (1.5 m)
Max. Required Air Space	11 ft (3.4 m)
Power Required	All Voltage 50/60Hz/3 Ph
Motor Power	7 1/2 HP
Built-in Spanner Wrench	Yes
Access Required	Front
Torquer Stroke Speed	10 in Stroke (14 Sec / ft)
Rod Extraction / Installation Speed	48 in Stroke (4.0 Sec / ft)
Pendant Control	Yes
Extraction Force	14,700 lbs (65.4 KN)

CYLINDER REPAIR BENCH

HCS-60-L

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SPECIFICATIONS

Model	HCS-60-L
Torque Capacity	60,000 Lbs ft (8280 Kg-m)
Torque Cylinder	Both Double Acting
Max. Cylinder Length (Extended)	34 ft (10.4 m)
Max. Cylinder Diameter	20 / 30 in (508 / 762 mm)
Max. Floor Space (Length)	43 ft (13.1 m)
Max. Floor Space (Width)	5 ft (1.5 m)
Max. Required Air Space	12 ft (3.7 m)
Power Required	All Voltage 50/60Hz/3 Ph
Motor Power	7 1/2 HP
Built-in Spanner Wrench	Yes
Access Required	Front
Torquer Stroke Speed	10 in Stroke (140 Sec / ft)
Rod Extraction / Installation Speed	48 in Stroke (4.0 Sec / ft)
Pendant Control	Yes
Extraction Force	14,700 lbs (65.4 KN)

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TUXCO CYLINDER TESTER

HCT SERIES

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED



SPECIFICATIONS

SPECIFICATION	HCT-3000	HCT-5000
Max Testing Pressure	3000 PSI (207 bar)	5000 PSI (345 bar)
Motor Power	7.5 HP	15 HP
Hydraulic Pump Capacity	20 GPM (76 LPM)	8.3 GPM (32 LPM)
Reservoir Capacity	227 Litres (60 Gallons)	
Power Required	All Voltage 50 / 60 Hz	

TUXCO BARREL WASHER

CBW-300

REDUCES LABOUR TIME | PORTABLE DESIGN | SAFER REPAIRS | CE & UKCA CERTIFIED



SPECIFICATIONS

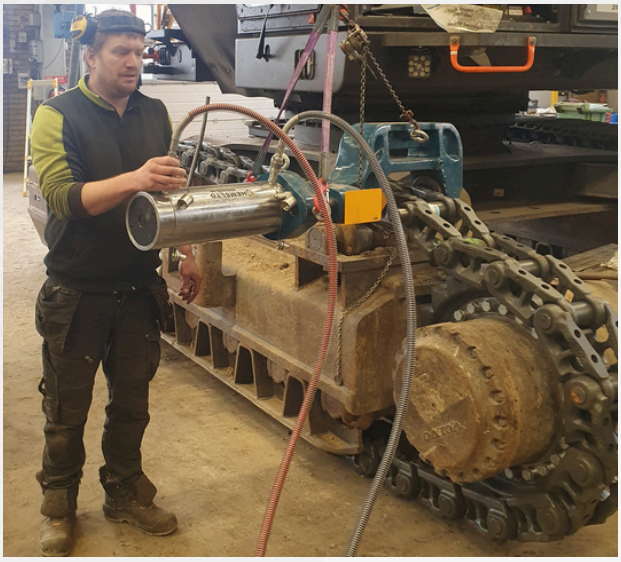
- Rotating Spray — **Deep Internal Clean**
- 12 GPM Pump — **Fast Wash Cycles**
- 4" - 13.5" Bore Range — **Wide Compatibility**
- Splash Guard — **Cleaner Operation**
- 25 Micron Filter — **Reusable Wash Fluid**
- Factory Clean Finish — **Ready to Reassemble**

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PRODUCT VIDEOS

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