

HOSE PREPARATION MACHINES

Overview

HEMS offers specialised machines for the preparation of couplings and hoses ready to be joined. Using HEMS hose preparation range to correctly begin the process of coupling will guarantee performance in your hydraulic systems. Crimp couplings, skive and cut hoses simply and safely!

HCM-CS

HOSE CUTTING AND SKIVING MACHINE

HEMS HCM-CS is the best way to begin hydraulic hose coupling! This 2-in-1 solution to the initial phase of hose coupling offers safety and solidarity in all its results.

Hoses can be cut and skived precisely, with all excess dust collected in an internal tray, to the perfect size for your application. The 250mm steel blade boasts the ability to cut DN50 hoses.

This machine is offered in 12V, 110V, 220V and 400V power supply options, making it ideal for portable operation, wherever it may be needed!

For full information and specification available, please visit our website www.hemsltd.com



HCM-CS (hose cutting and skiving machine)

Motors	2.2kw x 400 x 3ph 2.2kw x 220 x 1ph 1.5kw x 12 volt 110 volt motor P.O.A
Blade:	250 x 25 x 3mm steel knife type
Wire brush:	220 x 25 x 38mm rubber bonded type

HCM-NC

NUT CRIMPER

HEMS HCM-NCF is a floor standing crimping machine, designed to attach couplings from DN4 to DN50 efficiently and easily.

It is easy to set up and use, with simple settings and foot pedal controls to make for hands-free operation.

The Crimping machine comes complete with 10 different sized attachments, with option for a further 3 unique sizes, to cater to ALL types of couplings! There is also option for semi-automatic 'one touch foot control' as well as an integral oil cooler.

For full information and specification available, please visit our website www.hemsltd.com



STANDARD ATTACHMENT SETS

Code	Swage Range	L(mm)
HC-NCA - 15	15 - 20	4
HC-NCA - 20	20 - 25	4
HC-NCA - 25	25 - 30	5
HC-NCA - 30	30 - 35	5.5
HC-NCA - 35	35 - 40	6
HC-NCA - 40	40 - 45	6
HC-NCA - 45	45 - 50	6
HC-NCA - 50	50 - 55	6.5
HC-NCA - 55	55 - 60	6.5
HC-NCA - 60	60 - 65	6.5

EXTRA ATTACHMENT SETS

HC-NCA - 10	10 - 12.5	3
HC-NCA - 12.5	12.5 - 15	3
HC-NCA - 17.5	17.5 - 20	4

Specifications:

Capacity	-32 (DN50) couplings
Setting	Easy to set direct reading calibration
Motor options	3ph x 4kw / 1ph x 3kw
General	Gross weight: 230 kg
	Crated sizes: 120 x 80 x 120cm high

HOSE COUPLING MACHINES

Overview

HEMS newest product range, the Hose Coupling Machines, offer unmatched safety and simplicity in regular maintenance of hydraulic systems. HEMS HCM range varies in size, depending on your application, and is certain to have the solution to joining couplings to hydraulic hoses.

HEMS Hose Coupling Machines make for quick, easy operation and efficient pairing of hydraulic hoses. Each machine is supplied with different sets of attachments to join different sized hoses and couplings. Attachment sets slot into master holes in the throat of the machine and can be changed at ease between jobs. Additionally, charts come with the machines to clearly indicate which attachments are needed for the job! Setting, adjustment and operation are simple. It's micrometer gauge allows swift swage size setting of the workhead. Your Coupling machine will indicate that you have met the desired size with a 'set size reached' light on the control panel.

All machines have very simple snap-in attachment sets to prepare your machine correctly for the application!



HCM-20 HOSE COUPLING MACHINE

HEMS HCM-20 series offers deceptively powerful swaging capacities, despite it's extremely compact design.

HCM-20 offers from DN 6 to DN32 multispiral hose assembly and comes equipped with 10 sets of attachments. Further attachments can be supplied for a wider range of hoses.

This machine is offered in vehicle and bench mounted counterparts.

For full information and specification available, please visit our website www.hemsltd.com

Specifications:

Capacity:	-32 (DN50)	
Actuator:	Single acting spring return 52 tonne ram	
Setting:	Direct reading micrometer type guage	
Std Dies:	16, 19, 23, 29, 39, 45 and 51mm	
Extra dies:	10, 12, 14, 26, 34, 57 and 63mm	
Flared one piece dies and special form are available		
General:	Max dies length	= 88mm
	Max swage dia	= 71mm
	Max Opening over die	= die+ 28mm
	Die holder throat open	= 104mm



STANDARD ATTACHMENT SETS

Code	Swage Range	Length (mm)
HCA - 16	16-19	55
HCA - 19	19-23	55
HCA - 23	23-26	55
HCA - 30	30-34	88
HCA - 39	39-45	88
HCA - 45	45-51	88
HCA - 51	51-57	88

EXTRA ATTACHMENT SETS

HCA - 10	10-12	55
HCA - 12	12-14	55
HCA - 14	14-16	55
HCA - 26	26-30	88
HCA - 34	34-39	88
HCA - 57	57-63	88
HCA - 63	63-71	88

HCM-32 HOSE COUPLING MACHINE

HEMS HCM-32 series is very similar to the HCM-20 series with its compact yet powerful design. The key difference is that it has wider swaging capacities for wider range of applications! HCM-32 offers from DN 4 to DN50 multispiral hose assembly. This machine is offered in vehicle and bench mounted counterparts and is supplied with 9 sets of standard dies. There is also option for more die sets supplied separately.

For full information and specification available, please visit our website www.hemsltd.com

Specifications:

Capacity:	-32 (DN50)	
Actuator:	Single acting spring return 65 tonne ram	
Setting:	Direct reading micrometer type gauge	
Std Dies:	16, 19, 23, 29, 39, 45, 51, 57, 68mm	
Extra dies:	14, 26, 34, 63, 74, 77mm	
Flared one piece dies and special form are available		
General:	Max dies length Max swage dia Max die opening Die holder opening	= 88mm = 71mm = die + 28mm = 122mm
Power options:	12volt. 110/220volt x 1ph 220 /400volt x 3ph	



STANDARD ATTACHMENT SETS

Code	Swage Range	Length (mm)
HCA-32-16	16 – 19	55
HCA-32-19	19 – 23	55
HCA-32-23	23 – 26	55
HCA-32-29	29 – 34	88
HCA-32-39	39 – 45	88
HCA-32-45	45 – 51	88
HCA-32-51	51 – 57	88
HCA-32-57	57 – 63	88
HCA-32-68	68 – 74	88

EXTRA ATTACHMENT SETS

HCA-32-14	14 – 16	55
HCA-32-26	26 – 30	55
HCA-32-34	34 – 39	88
HCA-32-63	63 – 68	88
HCA-32-74	74 – 77	88
HCA-32-77	77 – 83	88

HCM-40B HOSE COUPLING MACHINE

HEMS HCM-40B is our sole bench mounted offering, and a cost effective solution for coupling many of your hoses and couplings!

This machine is offered in bench mounted counterpart and is supplied with 7 sets of attachments, with further option for more!

Optional quick change tooling is available.

For full information and specification available, please visit our website www.hemsltd.com



Specifications:

Capacity:	-20(DN32) 4SP, -24(DN40) R2, -32(DN50) R1	
Actuator:	Double acting annular cylinder. Piston force of 80 tonnes provides over 290 tonnes compression when expressed as radial tonnage	
Setting:	Easy to set direct reading micrometer dial Auto stop at set size	
Controls:	Push button operation. Panel light indicates swage completion	
Std Dies:	16, 19, 23, 29, 39, 45 and 51mm	
Extra dies:	10, 12, 14, 26, 34, 57 and 63mm	
General:	Max dies length Max swage dia Max Opening over die Die holder throat open	= 88mm = 66mm = die+ 30mm = 106mm
Motor Options:	4kw x 3ph or 3kw x 1ph	

STANDARD ATTACHMENT SETS

Code	Swage Range	Length (mm)
HCA-24 – 16	16 – 19	55
HCA-24 – 19	19 – 23	55
HCA-24 – 23	23 – 26	55
HCA-24 – 30	30 – 34	88
HCA-24 – 39	39 – 45	88
HCA-24 – 45	45 – 51	88
HCA-24 – 51	51 – 57	88

EXTRA ATTACHMENT SETS

HCA-24 – 10	10 – 12	55
HCA-24 – 12	12 – 14	55
HCA-24 – 14	14 – 16	55
HCA-24 – 26	26 – 30	88
HCA-24 – 34	34 – 39	88
HCA-24 – 57	57 – 63	88
HCA-24 – 63	63 – 71	88

HCM-50 HOSE COUPLING MACHINE

This coupling machine is similar to the HCM-40 series, but is designed to cater to larger hose users. Workshops frequently maintaining larger hydraulic systems should not be without this efficient machine!

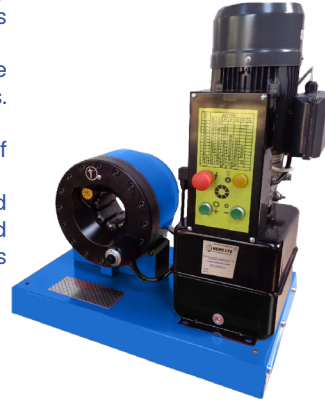
Similar to other models in our Hydraulic Coupling Machine Range, the HCM-50 comes equipped with attachment sets. With this model offering the highest swage range available.

This machines double acting fully enclosed ram is capable of providing a massive 370 tonnes

This machine is offered in vehicle and bench mounted counterparts and is supplied with 9 sets of standard attachments. There is also option for more attachment sets supplied separately.

Optional quick change tooling is available.

For full information and specification available, please visit our website www.hemsltd.com



Specifications:

Capacity:	-32(DN50) 45H	
Actuator:	Double acting annular cylinder. Piston force of 100 tonnes provides over 370 tonnes compression when expressed as radial tonnage	
Setting:	Easy to set direct reading micrometer dial Auto stop at set size	
Controls:	Push button operation. Panel light indicates swage completion	
Std Dies:	16, 19, 23, 29, 39, 45, 51, 57 and 68mm	
Extra dies:	14, 26, 34, 63, 74 and 77mm	
General:	Max dies length Max swage dia Max Opening over die Die holder throat open	= 90mm = 83mm = die+ 30mm = 130mm
Motor Options:	4kw/5.5 x 3ph or 3kw x 1ph	

STANDARD ATTACHMENT SETS

Code	Swage Range	Length (mm)
HCA-32 - 16	16 - 19	45
HCA-32 - 19	19 - 23	45
HCA-32 - 23	23 - 26	45
HCA-32 - 29	29 - 34	80
HCA-32 - 39	39 - 45	80
HCA-32 - 45	45 - 51	80
HCA-32 - 51	51 - 57	80
HCA-32 - 57	57 - 63	80
HCA-32 - 68	68 - 74	80

EXTRA ATTACHMENT SETS

HCA-32 - 14	14 - 16	45
HCA-32 - 26	26 - 30	45
HCA-32 - 34	34 - 39	80
HCA-32 - 63	63 - 68	90
HCA-32 - 74	74 - 77	90
HCA-32 - 77	77 - 83	90

HCM-50 FLOOR STANDING

HOSE COUPLING MACHINE

HEMS HCM-50F is a floor standing, high performance hose coupling machine, perfect for coupling of large hoses on a regular basis.

The snap-in detent retained dies, up to 105 mm long, easily accommodate 6-wire twin elbow hose assembly up to the - 32 (DN50) capacity of the machine.

Uniquely, this hose coupling machine offers foot pedal controlling.

This machine is offered in floor mounted model and comes complete with 13 sets of standard attachments, with option for more if needed!



For full information and specification available, please visit our website www.hemsltd.com

Specifications:

Capacity:	-32 (DN50) R13 / R15	
Actuator:	Double acting annular cylinder. 110 tonne ram	
Setting:	Direct reading micrometer type gauge	
Controls:	Foot pedal	
Std Dies:	16, 19, 23, 26, 29, 34, 39, 45, 51, 57, 63, 68 and 74mm	
Extra dies:	6, 8, 10, 12, 14 and 77mm	
Flared one piece dies and special form are available		
General:	Max dies length Max swage dia Max die opening Die holder opening	= 105mm = 84mm = die+ 34mm = 140mm
Power options:	5.5kw x 3ph or 3kw x 1ph Special voltages also available	

STANDARD ATTACHMENT SETS

Code	Swage Range	Length (mm)
HCA-32 - 16	16 - 19	45
HCA-32 - 19	19 - 23	45
HCA-32 - 23	23 - 26	45
HCA-32 - 26	26 - 30	80
HCA-32 - 29	29 - 34	80
HCA-32 - 34	34 - 39	80
HCA-32 - 39	39 - 45	80
HCA-32 - 45	45 - 51	80
HCA-32 - 51	51 - 57	80
HCA-32 - 57	57 - 63	80
HCA-32 - 63	63 - 68	105
HCA-32 - 68	68 - 74	105
HCA-32 - 74	74 - 77	105

EXTRA ATTACHMENT SETS

HCA-32 - 6	6 - 8	45
HCA-32 - 8	8 - 10	45
HCA-32 - 10	10 - 12	45
HCA-32 - 12	12 - 14	45
HCA-32 - 14	14 - 16	45
HCA-32 - 77	77 - 84	105