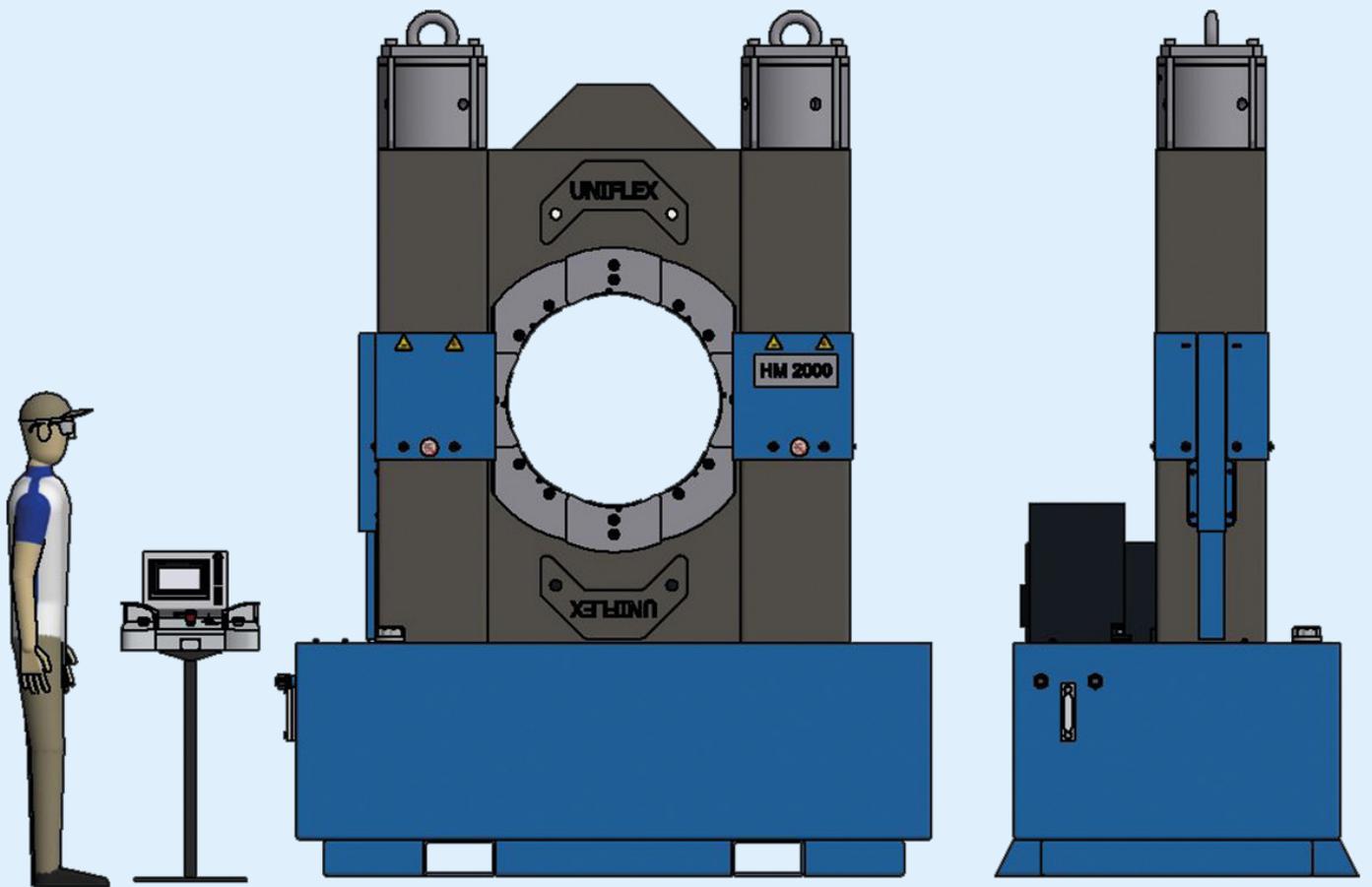


Special Equipment

Solutions for every requirement.



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Special Equipment



Universal

- For all types of hoses and fittings



Greaseless

- Slide bearings on the crimp tool improve efficiency up to 20%, reduce friction and help keep the tool free of contaminants
- No greasing improves cleanliness of machine
- Prolongs the machine's lifetime
- Maximum productivity with very low maintenance costs
- No risk of prematurely damaging the crimping head
- End product can be used in sanitary applications without cleaning
- 20% more capability for crimping stronger or more difficult couplings versus our competition's equivalent crimpers
- Consistently accurate crimp result



Environment friendly

- Engineered to last

Special applications





The UNIFLEX KS 6, KS 8 and KS 10 are designed for precision crimping and calibration.



KS 6, KS 8, KS 10

Technical Data	KS 6 NEW	KS 8	KS 10
Crimp force (kN/Ton)	500/50	800/80	1,800/180
No grease: 20% less friction	✓	✓	✓
Control	Control C.2	Control C.2	Control C.2
Max. Crimp range	55 mm	139 mm	139 mm
Opening	+27.5 mm	+45 mm	+45 mm
Opening without dies	91.5 mm	190 mm	190 mm
Type of dies	PBK 266	PBK 237	PBK 237
Speed (mm/sec)			
Close	12	7	3.5
Crimp	12	7	3.5
Open	30	15	6
Noise level	58 dBA	58 dBA	58 dBA
Drive	5.5 kW 3 VAC	5.5 kW 3 VAC	5.5 kW 3 VAC
Oil	80 l	80 l	80 l
L x W x H (mm)	1,000 x 1,000 x 1,700	1,000 x 1,000 x 1,700	1,000 x 1,000 x 1,700
Weight	470 kg	570 kg	570 kg

Type of dies	
PBK 266	
Ø mm	mm
6.8	3
8	3
9	3
10	3
11	3
12	3
14	4
16	4
17	4
19	4
20	4.5
22	4.5
24	4.5
25	4.5
28	5
30	5
32	5
34	5
36	5
39	5
40	5
44	5
47	5

Type of dies	
PBK 237	
Ø mm	mm
12	3
14	3
16	4
19	4
22	4.5
24	4.5
26	4.5
28	4.5
32	5
36	5
40	5
44	5
47	5
50	5
54	5
57	5
62	5
67	5
71	5
74	5
78	5
84	5
86	5
90	5
96	5
103	5
106	5



Our production crimping models HM 380, HM 480, HM 660, HM 665 and HM 1200 are ideal for the crimping of insulators, cables, steel ropes and reinforcing steel elements.



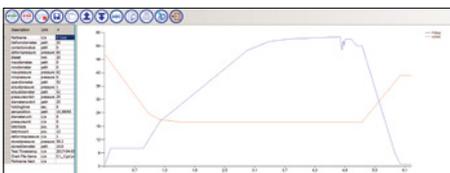
HM 380 | HM 480 | HM 660 | HM 1200



(Cooper-) Cable Rebar fasteners Insulator Heater Aircon hose

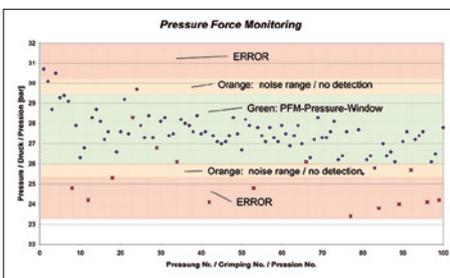


Special dies for forming tubes with square or round ends.



PFC (Pressure Force Control) makes it possible to crimp pressure-sensitive work pieces, such as fiberglass insulators, resulting in a stable connection that will endure extreme forces. PFC is based on the adjustability of the applied crimp force to take into account the individual material characteristics. This secures the highest quality of your products – without having to glue, screw or weld! It is a special demand for a machine crimping with PFC. To find the ideal crimping machine for you, please contact your local UNIFLEX salesperson.

Option: PFC



PFM gives you the option to achieve a substantial quality improvement - for a comparatively small investment of time and money. Here is how it works: After each crimp process with the PFM-Option the reached crimp value is shown. From these measures, the start values for the upper or lower pressure limit can be determined. During each crimp process, the permanently measured crimp value is compared to the entered limits. If this exceeds the set limits, an error message is shown. At the end of the crimp process, it is tested once more if the minimal pressure has been reached. In the case of an error, the operator has the option to check the workpiece thoroughly and to correct any sources of the error. During a detailed examination with the PFM-option, the quality of a production process was increased from 97.8% to 99.7%. The UNIFLEX PFM option revealed that 2% of all produced parts had defects, thus preventing these defective parts from being delivered to customers.

Standard: PFM



UTS enables a comfortable article entry via a PC. The data can be entered in a set MS Excel-sheet and be transferred with UTS to the Control C.2. Therefore, it is possible to compare the data from a number of machines, provide documentation and backup in one go. All crimpings can be documented with UTS, especially with the PFM option, which saves the pressure value as an additional parameter.

Accessories: UTS/UDL



Press designed specifically for the production of automotive hoses. A good example for such a tailor-made solution is the HMC 1-30 and HM 245 with C-shaped crimping tool designed for radial insertion of complex hose lines. This special press is an ergonomically designed, low-noise machine that requires no lubrication. It has been specifically devised for the production of hoses for the automotive industry, offering outstanding press forces and precision. With PFC and other optional features, you can adjust the press force to process materials that are easily damaged, producing strong and lasting connections without any need for gluing, screwing or welding.



HMC 1-30



HMC 245



HMC 1-30



HM 245



Technical Data	HMC 1-30	HM 245
Crimp force (kN/Ton)	300/30	750/75
No grease: 20% less friction	✓	✓
Control	Control C.2	Control C.2
SAE R 12* 1 piece fitting		1"
SAE R 12* 2 piece fitting		3/4"
Industrial	1"	1"
Max. Crimp range	70 mm	70 mm
Opening without dies	90 mm	100 mm
Type of dies	239-38	239
Speed (mm/sec)		
Close	30	27
Crimp	5	5
Open	50	30
Noise level	< 80 dBA	53 dBA
Drive	4 kW	4 kW
Oil	80 l	100 l
L x W x H (mm)	650 x 590 x 1,700	1.020 x 950 x 1,450
Weight	320 kg	610 kg

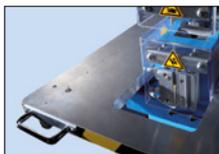
* According to the fitting.

Type of dies		Type of dies (HM 245)	
	239 - 38		239
Ø mm	mm	Ø mm	mm
6.8	38	6.8	50
9	38	9	50
10	38	10	50
12	38	12	50
14	38	14	60
16	38	16	60
17	38	17	60
19	38	19	60
20	38	20	60
22	38	22	60
24	38	24	60
26	38	26	75
28	38	28	75
30	38	30	75
31	38	31	75
32	38	32	75
34	38	34	75
36	38	36	75
38	38	38	75
39	38	39	75
40	38	40	75
44	38	44	75
47	38	47	75
50	38	50	75
54	38	54	75
57	38	57	75
62	38	62	75

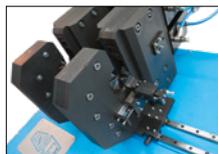
Description



Radial insertion of workpieces, catering even to 90° bends.



Sliding table with handle.



Double head system.



Constant axial centre when crimping jaws are closed.



Stability, innovation and crimping force characterize the UNIFLEX HMC crimper.

This machine is not only able to crimp the biggest hoses ever for a UNIFLEX machine, it is also the most compact one for mobile work in UNIFLEX history. The HMC 12-2000 is the most solid built C-crimper of the 2000 ton category due to its integrated powerbooster for high crimping forces. After a long period of research and development in the field of FEM, this machine outshines all others of its category. The new comer HMC 5-200 complete the range of open head crimper with 200 ton and 4" capacity. UNIFLEX defines new crimping techniques and focuses on the highest quality and user-friendliness as well as on advanced materials.



HMC 5-200



HMC 12-2000

Technical Data	HMC 5-200	HMC 12-2000
Crimp force (kN/Ton)	2,000/200	20,000/2,000
No grease: 20% less friction	✓	✓
Control	Control C.2/IPC	Control C.2/IPC
SAE R15 4SH 1 piece fitting	2"	3"
SAE R15 4SH 2 piece fitting	1½"	3"
Industrial	5"	12"
90° Elbows	4"	3"
Max. Crimp range (mm) with master dies Crimping	175 Ø PB +30mm	380 Ø PB +50
Opening without dies	210 mm	435 mm
Die type	237, 239	247, 245, 237 L
Speed (mm/sec) Close/Crimp/Open	upon request, depends on power unit	upon request, depends on power unit
Oil	100 liter	- - -
L x W x H (mm)	1,100 x 810 x 1,750	2,000 x 750 x 2,400
Weight of tool (kg)	1,650	15,000

* According to the fitting.

More technical data according to the adjacent image	HMC 5-200	HMC 12-2000
D1 = Max. axial diameter	210 mm	435 mm
D2 = Maximum workpiece raw-diameter	195 mm	335 mm
D3 = Max. radial opening	155 mm	350 mm
D4 = Max. flange diameter	300 mm	450 mm
D5 = Diameter basic dies	145 mm	330 mm
L1 = Wide basic dies	126 mm	300 mm

