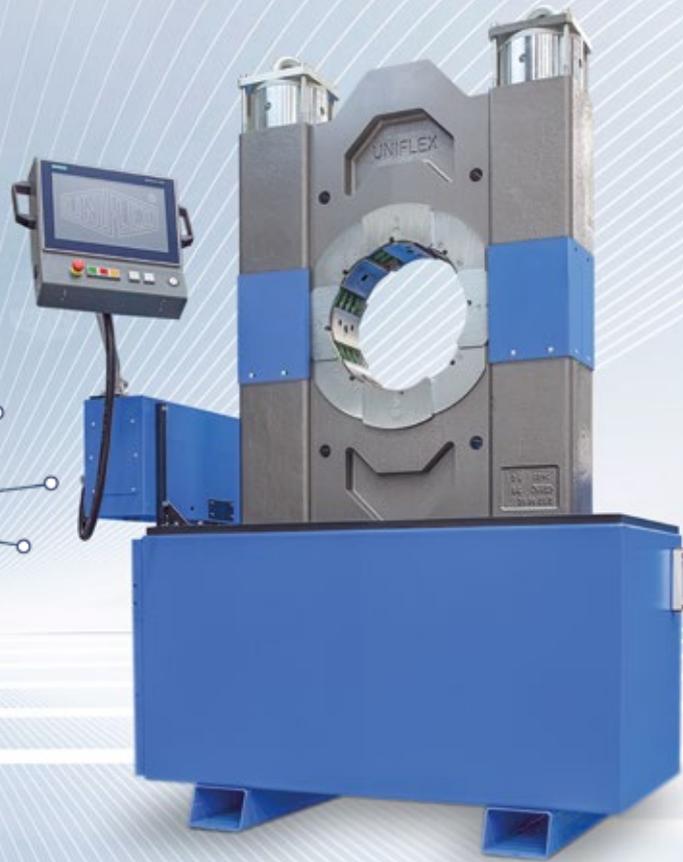


Image Catalog

The Best Return on Investment



since 1972



UNIFLEX hose crimpers with the proven IPC Control system are setting standards for quality, cost effectiveness and ergonomic operations.

UNIFLEX: 50 years on the road to the future

Innovation and sustainability in hose processing

UNIFLEX-Hydraulik GmbH was founded in Frankfurt am Main in 1972. Thanks to the pioneering innovations and the extraordinary product quality, the flourishing company rapidly developed into one of the worldwide leading suppliers of machines for the production of hose assemblies.

Today, after 50 years, UNIFLEX is a supplier par excellence as regards to the production of hose assemblies – ranging from workshop equipment to the production plant. Hose crimpers, hose cutting machines, perforating devices, skiving machines, embossing devices, test systems, software and cleaning devices, which are just as innovative as they are reliable and long-lasting, were and still are developed in close cooperation with leading hose assembly prefabricators and users all over the world and distributed globally.

Customer requirements with a focus on technology and services

UNIFLEX-Hydraulik GmbH has been developing, producing and distributing innovative systems for the production and processing of hydraulic hose assemblies for 50 years. The company with its branches and subsidiaries in America and Asia is a supplier to the entire world market. More than 85% of the UNIFLEX products are exported, inter alia, to market leaders like Caterpillar, Danfoss, Gates, Hansa-Flex and Parker.



Service and development at the parent company at Karben

The machine manufacturing plant

Utmost care for highest quality

At UNIFLEX, there are no production lines and there is no mass production. The hose crimpers and all other devices and machines are produced in line with classical manufacturing processes, by hand and mostly only to order.

Therefore, every crimper is really a unique "Made in Germany" product carefully assembled by well-trained skilled staff.

This is why custom-made products and customized variants are always feasible.

UNIFLEX-Hydraulik GmbH based in Karben near Frankfurt



Innovation and up-to-date quality

Building on the innovative lead as a result of the development of the slide bearing technology 50 years ago, UNIFLEX has relentlessly strived for further, practice-based development and innovation of sustainable and ergonomic machines for the production and repair of hoses.



The difference: The unique slide bearing technology

In contrast to lubricated crimpers, UNIFLEX crimpers function with nearly no friction loss at all. This reduces the maintenance operations to a minimum, because "crimping without lubricating" is cleaner and less labour-intensive. Furthermore, UNIFLEX machines are known for optimum work results, a reliable Return on Investment and maximum ergonomics. A comprehensive range of accessories makes operations with the different devices even simpler.

Two-year manufacturer`s warranty

Right from the beginning, UNIFLEX has been offering a two-year warranty for the functions and materials of all devices and will continue to do so in future.

Digitalisation

The networking of men and machines

Everybody is talking about digital transformation, and UNIFLEX takes action – for a long time already. In order to be able to offer all UNIFLEX customers innovative, computer-controlled devices, the company has developed the UNIFLEX Wireless Management System (UWMS) subsequent to the Control.2 system that has proved its worth from the day it was launched.

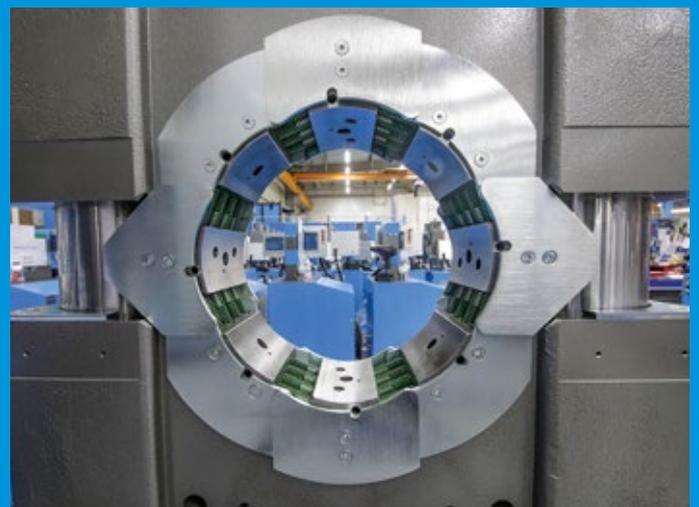
This innovative software can be used to save product data on a server and to consistently update all supplements. Via the Internet, users can then download an app to their smart phone or tablet and subsequently send the crimp order by Bluetooth directly to the hose crimper.

UWMS
(UNIFLEX Wireless
Management System)



The advantages:

- **Current crimp data keep the customers and users up to date.**
- **All data of the installed hydraulic crimpers (e.g., number of crimping operations, details about what has been crimped, plus the data recorded during the crimping process) can be retrieved at any time.**
- **Entry of series numbers enables users to compile stable tracing systems and systems for repeat orders.**
- **Data analyses and reports, such as market assessments, can be compiled with ease.**



Pioneering innovations and extraordinary product quality.

2022 50 years UNIFLEX



2008 ISO 9001 BUREAU VERITAS Certification.



2020 IoT – Internet of Things Industry 4.0



2004 Subsidiary UNIFLEX-Hydraulik Asia-Pacific Pte. Ltd. (Singapore) to serve the markets of the Asia-Pacific region.



2001 UNIFLEX Spezialmaschinenbau GmbH is founded as an international cooperation with the fluid technology specialists Clavel and REM.



2017 45 Years of UNIFLEX in Pop Art Style: UNIFLEX and the Pop Art era are about the same age and both created a change.



2000 UNIFLEX CNC Metalltechnik GmbH is founded in Großalmerode near Kassel as a subcontractor for the production of standard and special crimping dies.



Japan: Sale



1998 Subsidiary UNIFLEX of America LLC (Plymouth / Minnesota / USA) to serve the markets of the American continent.



2016 Russia: Opening of the partner company in Yekaterinburg.



1996 Construction of the new company building in Karben with modern production and office space – 10 km north of Frankfurt, with excellent transport connections.



2015 Presentation of the HMC 12-2000, strongest 8-jaw C-press with 2000 tons crimping force and UNIFLEX slide bearing technology.



1994 Presentation of the HM 310 Futura, the first tube press with thin yoke die design & fixed 6 o'clock jaw.



2014 Uruguay: Opening of the branch office in Montevideo.



1992 Takeover and considerable expansion and modernization investments by the Freiherren von Waitz group of companies.



2013 India: Opening of the branch office in Bangalore.



seit 1986 Innovations, such as the legendary slide bearing technology, made UNIFLEX the world's leading supplier of machines for the production of hose assemblies.



2011 UNIJOIN Machinery (Shanghai) Co., Ltd. is founded as a production and assembly company for the local market.
UNIJOIN Machinery



1972 Foundation of UNIFLEX-Hydraulik GmbH by Peter Schröck, Mechanical Engineer in Frankfurt am Main.



2009 Subsidiaries UNIFLEX-Hydraulik Trading (Shanghai) Co., Ltd. in China and to expand its Asian business, which continues to grow.



HM 10 hose crimper.



We want to be the partner who supports all customers with “half a century of experience”.

UNIFLEX – synonymous with meeting the highest demands.



Due to advanced, robust and extremely durable technology, UNIFLEX is synonymous with meeting the highest demands – worldwide.

Hence, staff members at UNIFLEX are especially motivated, because they are ambitious to have satisfied customers.

We are also recognized for our user-friendly machines and extraordinary investment for their customers – and customers’ clients.

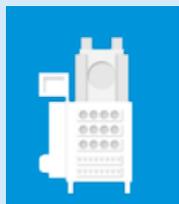
This philosophy drives us to meet the highest customer expectations as regards to quality and service, to continually enhance our internal processes and to design them with greater transparency for all. Our impetus is the will to create solutions. Therefore, we listen and cooperate as a prudent partner to ensure our quality and service are unparalleled.



How can you save more than 70 % of CO₂?

By reducing the weight and increasing the life cycle.

Good engineering and a low energy consumption of 4 kW (competitors: > 5.5 kW) and a long-life design are the OPTIMUM for our future!



0.75 t once in 30 years x 1.7 = 1.275 t of CO₂

**UNIFLEX
approx. 0.75 t**



0 years

15 years

30 years

1.2 t twice in 30 years = 2.4 x 1.7 = 4.08 t of CO₂



**Others
approx. >1.2 t**



**Others
approx. >1.2 t**

**CO₂
4.08 t**

0 years

15 years

30 years

What about Cost of Ownership?



Precision

The precise production of component parts from qualified suppliers ensures the quality and long life for our machines.



Innovation

The technical department delivers designs that meet the standards for tomorrow based on customer input.



Universal

UNIFLEX machines are universal and can be used for all types of fittings and diverse applications.



Warranty

UNIFLEX is proud of all of its products and provides a 2-year warranty on all new products and a 1-year warranty on second-hand machines.



Service

Your complete satisfaction is very important to us. Therefore, we place great value on a global all-round service.

 service@uniflex.de

Do you need help? Send us a video:

 WeChat: +49 (0) 152/03540155

 WhatsApp: +49 (0) 152/03540155

 Skype: [service@uniflex.de](https://www.skype.com/people/service@uniflex.de)

 FaceTime: [service@uniflex.de](https://www.apple.com/face-time/)



Presence

The UNIFLEX Team can be contacted at all times in the following showroom-warehouses:

Karben (DE), Singapore (SG), Schaumburg (IL, USA), Montevideo (UY), Bangalore (IN), Shanghai (CN), via partner company: Yekaterinburg (RU).

 sales@uniflex.de

Sustainability pays off

Hydraulic crimpers with slide bearing technology from UNIFLEX are offering a Return on Investment that is second to none.

- The cost of exchanging slide bearings, oil, springs as well as a refurbish every 2 years for a life cycle of 23 years amounts to approximately € 14,000. Added to a machine price of € 20,000, this results in total costs of € 34,000 for 16,000,000 crimping processes.
- Furthermore, the slide bearing technology requires only 2 minutes of service per week to remove deposits. Lubricated machines require about 7 minutes in addition to the cleaning process to regrease with the lubricant.

As a result, the cost per crimping process decreases to an incredible € 0.0021!



That's what climate protection looks like: A machine still in operation after more than 25 years and more than 16,000,000 crimping processes.

UNIFLEX Products

Leading supplier for high-quality machines

The broad range of UNIFLEX products for all applications and hose diameters offers everything the hydraulic hose industry needs in order to provide its clients with optimum quality.

Service Crimpers

Intermittent use in service and workshop applications.

S.08-09



Cutting Machines

Machines for cutting hoses.

S.14-15

uxinside.net



P.10-11

Production Crimpers

Crimpers suitable for big production series.



Skiving Machines

Machines for skiving hoses.

S.16-17

uniflex.de



Peripheral Equipment

More machines for hose assembly preparations.

S.18-19



Test Benches

Machines for testing hose assemblies.

S.20-21



Special Equipment

Custom machines for unique applications.

S.22

Cleaning Devices

Machines for cleaning hoses.

S.21



Labelling, Software and UPMS (IoT und App)

S.12-13, 22, 24



“ What about greaseless crimpers? ” 



SH 2



HM 200



SC 3

SC 4



SH 4

Technical Data	SH 2 M H2* SH 2 M Ecoline SH 2 P** SH 2 A SH 2 LA***	HM 200 Ecoline* HM 200	SC 3 Ecoline*	SH 4 Ecoline* SH 4 Mobileline	SC 4 Ecoline* SC 4 C.2
Crimp force (kN/t)	900/90;770/77**; 450/45***	1,300/130	1,200/120	1,800/180	1,800/180
SAE R12	1¼", ¾" ***	1¼"	1¼"	2"	2"
Industrial	1¼"	2"	2"	2"	2"
Max. crimp range (mm)	63	70	70	70	70
Opening/Length master dies (mm)	+22/75	+30/75	+35/100	+27/100	+35/110
Die type	263	239	239-xx	239-xx	239-xx
Type of application	Mobile	Workshop/Mobile	Workshop/Mobile	Workshop/Mobile	Workshop/Mobile
First-Class Advantages	    	    	    	    	    

First-Class Advantages

-  **Greaseless**
Slide bearings on the crimp tool improve efficiency by 20%, reduce friction and help keep the tool free of contaminants.
-  **Universal**
For all types of hoses and fittings.
-  **Ecoline**
High quality for those new to crimping.
-  **Ergonomic**
Ease of use maximizes productivity.
-  **Environment friendly**
Engineered to last.

Low pressure hose crimper

SL 3-16 M

Low pressure crimper with 2 dies set integrated Ø 5 and Ø 15 for DN 03 to 16.

SL 3-32 M

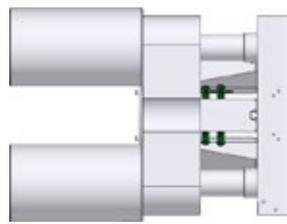
up to 1¼"

SL 3-75

up to 3"



	SC = Press tool with Cylinder	SH = Hollow piston press tool
No greasing	★★★	★★★
Low maintenance	★★★	★★
Compact	★★	★★★
Light weight	★★	★★★
Accessibility of the workpiece	★★★	★★
Dirt-sensitivity	★★★	★
Sustainable	★★★	★★
Good value	★★	★★★
Well suited for	Workshop	Mobile
Factory warranty in years	3	2



SH 7* SH 7 S**	SC 6 Ecoline* SC 6	SC 6 S Ecoline SC 6 S	SH 6 Ecoline* SH 6 Mobileline SH 6 S Ecoline SH 6 S Mobileline	SH 10 Ecoline SH 10	SH 10 XL Ecoline S 10 XL*	SC 12 i A SC 12 i C.2*
2,400/240; 3,200/320	2,000/200	2,800/280	2,400/240; 2,800/280	2,800/280	2,800/280	3,700/370
2"	2"	2"	2"	2"	2"	3"
2"	3"	3"	3"	4"	4"	4"
82	102	102	102	145	145	145
+24/90	+45/110	+45/110	+43/110	+45/126	+61/126	+61/126
239-xx/265	239-xx/266	239-xx/266	239-xx/266	239-xx/237L	239-xx/237L	239-xx/237L
Workshop/Mobile	Workshop	Workshop/Mobile	Workshop/Mobile	Workshop	Workshop	Workshop

Features

Slide bearing technology

- No greasing improves cleanliness of machine and prolongs its lifetime.
- Maximum productivity with very low maintenance costs.
- Flaking cannot stick in grease, 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.

PUM

PUM with SH 2 Ecoline and cordless screwdriver

Nominal pressure	70 MPa (700 bar)
Adjustable pressure relief valve	up to 700 bar manually adjustable
Drive	All commercially available cordless screwdrivers (min. 25Nm)
Oil tank volume	2.5 l
Delivery rate	3.2 L/min Low pressure up to 5 MPa (50 bar) 0.8 L/min High pressure above 5 MPa (50 bar)
Weight	8.5 kg with oil



Production Crimpers

“ What about 6-o'clock dies? ”



NEW



HM 3 H



HM 222



HM 225



HM 375 | HM 380

Technical Data	HM 3 H*	HM 222* NEW	HM 225*	HM 375*	HM 380*
Crimp force (kN/ton)	750/75	1,350/135	1,600/160	3,150/315	3,400/340
4 SH	¾"	1"	1¼"	2½"	3"
Industrial	2"	2"	2"	4"	4"
Length master dies (mm)	100	75	90	126	126
Speed (mm/sec)					
Close	8.3	10/16**	19/30**	23	23
Crimp	8.3	5/10**	1.5/3**	1.4	1.3
Open	13.8	10/16	19/30	33	33
Max. crimp range (mm)/opening	70/+35	70/+35	70/+40	165/+70	165/+70
Die type	239-xx	239	239-xx	239-xx/237L	239-xx/237L
First-Class Advantages					

** Standard: Half power, twice faster.

First-Class Advantages

- Greaseless**
Slide bearings on the crimp tool improve efficiency by 20%, reduce friction and help keep the tool free of contaminants.
- Universal**
For all types of hoses and fittings.
- Fixed 6-o'clock die**
Stationary bottom die for efficient positioning of the product.
- Low Noise**
Very quiet hydraulic system.
- Ergonomic**
Ease of use maximizes productivity.
- Environment friendly**
Engineered to last.

* Machine pictured.

Control C.2



Control C.2 with screen protection option 807.2
HMI mit 7" Widescreen-Touch-Panel
Interfaces:
Ethernet RJ45
USB
Serial Port (COM)
Profinet
Profibus



ICC – Industrial (hose) Crimp Calculator (with C.2 and IPC controller)

Automatically calculate your crimp diameter directly from your hose and fitting measurement based on compression.

Includes the official agreed, tested and approved industrial hose crimp calculator/ Interface with fitting and ferrule data from Mario, PT, Campbell and Dixon.



HM 400



HM 450 | HM 480 | HM 495



HM 660 | HM 665 | HM 1200

	HM 400*	HM 450	HM 480*	HM 495	HM 660	HM 665*	HM 1200
	3,750/375	4,000/400	4,800/480	6,000/600	8,000/800	6,000/600	12,000/1,200
	3"	3"	3"	3"	3"	3"	3"
	6"	6"/12"***	8"/12"***	8"/12"***	10"	12"/16"***	10"
	150	150	150	150	200	250	200
	18	18	18	18	15	17	11
	1.4	1.4	1.3	1.0	2	0.9	1.5
	20	20	20	20	15	25	11
	190/+130	310/+130	310/+150	310/+150	325/+120	450/+180	325/+120
	239-xx/554	239-xx/237L/245	239-xx/237L/245	239-xx/237L/245	239-xx/237L/246	239-xx/237L/298	239-xx/237L/246

*** For pipe fitting with special dies.

IPC



Industrial PC with 12" touch panel integrated RFID reader

- Interfaces:
- Ethernet RJ45
 - USB 3.1
 - Serial Port (COM)
 - Profinet
 - Profibus
 - CAN bus

Features

Engineered solutions using quality components

- Hi-Low cylinder – Maximum efficiency producing less heat.
- Lateral reinforcement optimizes overall tolerance.

Fixed 6-o'clock die

- Workpiece does not move, making it easier to position laterally.
- Increases productivity, driving up profitability.
- Reduces risk for injuries.

CONTROL IPC



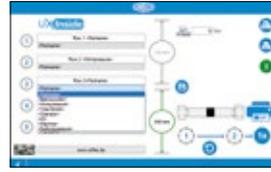
START MENU



CALIPER



LABEL



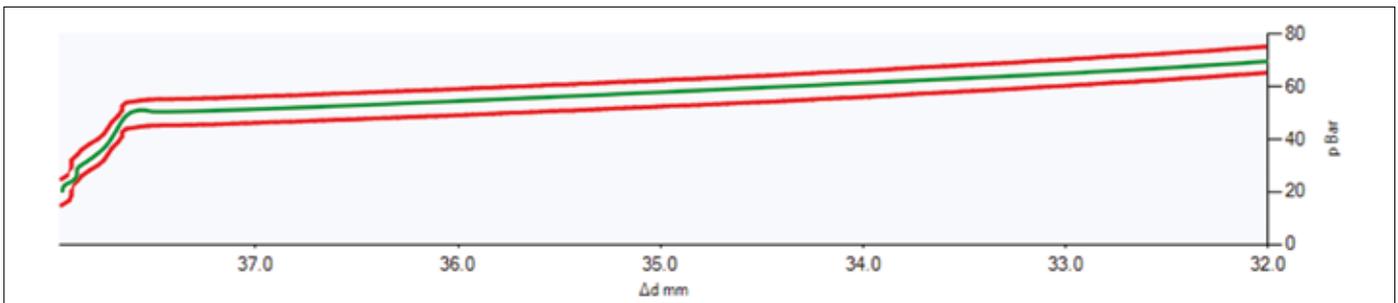
CMK



PFM

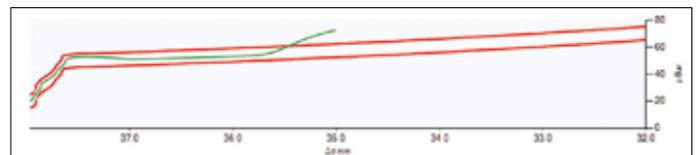
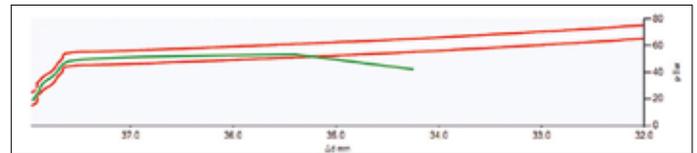


The PFM function enables forming to a defined pressure/diameter with monitoring of the minimum and maximum pressure/diameter. Enter the forming diameter. The forming diameter is the diameter to which the tool moves. The workpiece is permanently monitored during pressing every millisecond.

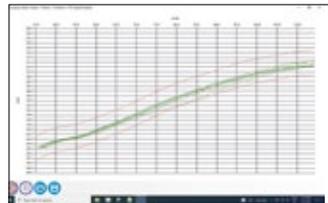
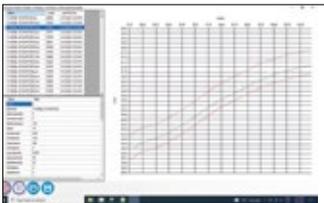


Every millisecond the monitoring system compares the crimping pressure and if there is an anomaly, it stops the crimping instantly. The functionality allows to detect repeated crimping, non adapted dies sets, non conforming crimping parts (non conforming ferrules, inserts, hoses), non conforming skiving and also non conforming insertion of the parts.

All these data are recorded and can be reviewed at any time.



COMPARE CHARTS

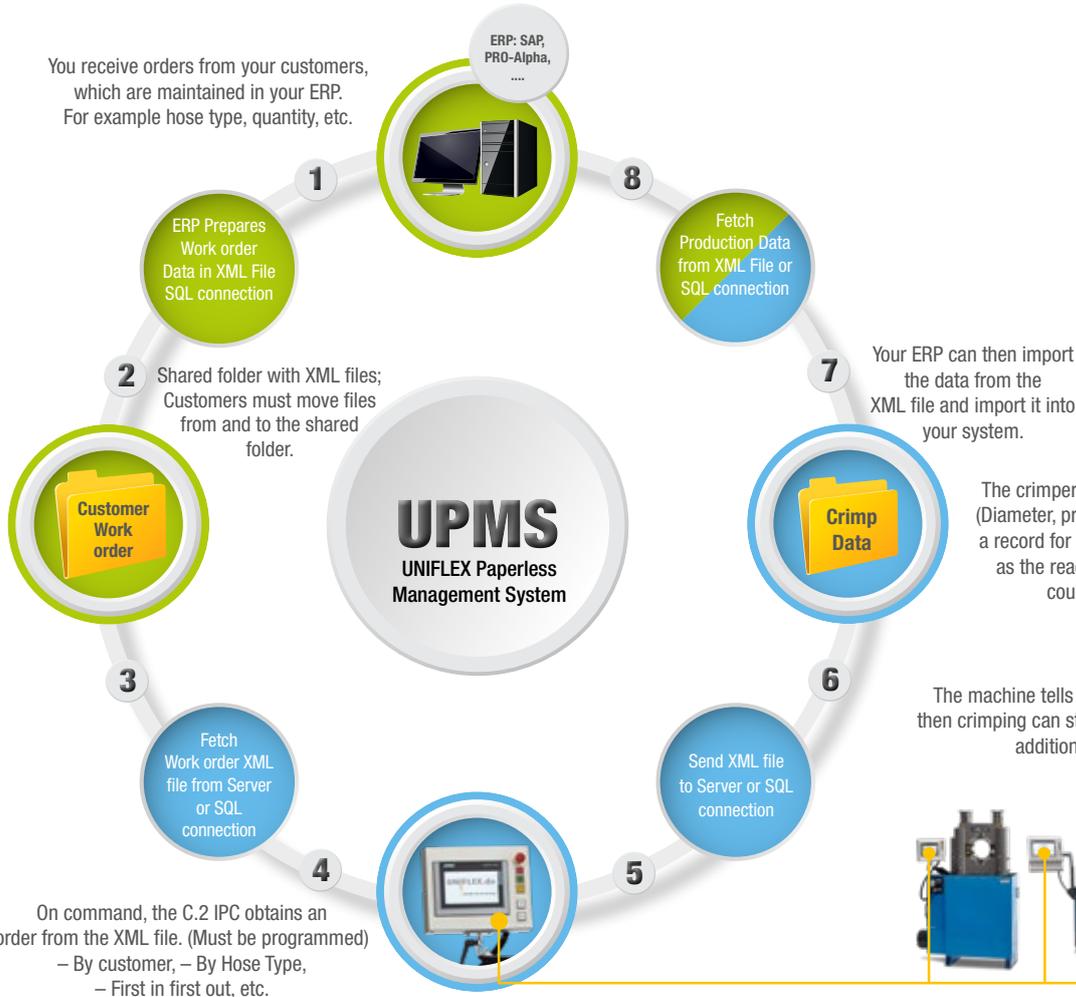


In addition, diagrams of the data sets can be called up here directly from the pressed workpieces.

● Customer's Work Element

● UNIFLEX Work Element

You receive orders from your customers, which are maintained in your ERP. For example hose type, quantity, etc.



UNIFLEX Paperless Management System (UPMS)

IoT

Internet of Things

UNIFLEX has develop a complete Paperless Management system. Taking the data directly from your ERP and bringing them back directly to a dashboard.

The crimper sends all crimp data to the new XML file. (Diameter, pressure, holding time, ...) The crimper adds a record for each crimp. It contains all settings as well as the reached pressure, the achievable measure, counter, date and customized values.

The machine tells the operator which dies to install and then crimping can start. (Visualization of the used parts and additional order details is possible)



UNIFLEX Wireless Management System (UWMS)

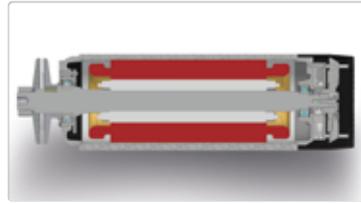
NEW APP



UWMS (UNIFLEX wireless management system) allow you to put your recipe to crimp on a server and keep this information update. It will then be use live from all your customer via an app on your phone or tablet connected to internet.

Cutting Machines

“ What about a cutter with a flat motor, large shaft, double bearings? “



EM 1

EM 1 S | EM 1 SB



EM 3



EM 4



EM 6

Technical Data	EM 1*	EM 1 S EM 1 SB*	EM 3*	EM 3 Ecoline	EM 3 DC	EM 4* EM 4 DC
Workshop 4SH / R15	5/8"	1 1/4"	1 1/4"	1"	1 1/4"	1 1/2"
Production 4SH / R15	-	-	3/4"	-	-	-
Industrial	1 1/4"	1 1/4"	2"	1 1/4"	2"	2"
Drive (kW)	1.2	1.2	3	1.8	12 VDC : 2 kW/ 24 VDC : 3.2 kW	3 12 VDC : 2 kW
Cutting blade (mm)	TM 160	TM C 160	TM 275	TM G 200	TM Z 250	TM C 275/250
First-Class Advantages						



First-Class Advantages

- Special Brake Motor**
A safety feature meeting DIN CE standards requiring the cutting blade to stop turning in 10 seconds.
- Special Cutting Motor**
Higher forces are achieved using a larger shaft.
- Test-proven Cutting Blades**
Cutting blades are made out of test-proven material.
- Ecoline**
High quality for those new to crimping.
- Environment friendly**
Engineered to last.

Cutting blades

TM C, TM G and TM

High quality cutting blades:
TM C, TM G and TM.



TM C

Lasts 7 times longer, cuts twice as fast, generates less smoke, less debris in the hose and less heat. Reduces the risk of separation of the rubber from the wire.



Extraction systems for Cutting Machines

Technical Data	UVC 50 FSD	UVC 100 FSD
Max. volume flow	700 m³/h	1,440 m³/h
Max. vacuum	3,250 Pa	4,600 Pa
Dust collection container width	10 l	12 l



EM 8



EM 115



EM 120



EMI 150 | EMI 200



USC 10 | USC 20 | USC 30

	EM 6 DC	EM 6 M EM 6 P*	EM 6 Ecoline	EM 8 M* EM 8 P	EM 115*	EM 120*	EMI 150*	EMI 200*	USC 10* USC 20 USC 30
	2"	2"	2"	2"	3"	3"			
	-	1 1/4"	-	1 1/4"	2"	3"	3"	3"	
	2"	3"	2"	4"	3"	4"	6"	8"	2"/4"/6"
	24 VDC : 3.2 kW	4.6 $\text{M}_{3\sim}$	2.4 $\text{M}_{1\sim}$	4.6 $\text{M}_{3\sim}$	7.5 $\text{M}_{3\sim}$	7.5 $\text{M}_{3\sim}$	7.5 $\text{M}_{3\sim}$	7.5 $\text{M}_{3\sim}$	5 $\text{M}_{3\sim}$
	TM C 250	TM C 350	TM C 275	TM C 400	TM C 520	TM C 520	TM C 520	TM C 600	200/250/350
									

Features

Unique drive motor with double bearings and large shaft

- Reduce scrap with straight cuts.
- Less contamination.
- Maximizes motor life, giving you the lowest cost of ownership in the market.
- More cuts between sharpening while increases profits.
- Cut faster and generate more profit.

UPG 10

UPG 10

Guillotine for industrial hoses up to 3" (max. OD: 90 mm). Only for hoses without metal insert.



Skiving Machines

” You can also skive internally and externally in the same time? “



USM 2



USM 10

USM 10 S

Technical Data	USM 2*	USM 10 Ecoline	USM 10*	USM 10 S*
Internal skiving	5/8" - 2"	5/8" - 2"	5/8" - 2"	5/8" - 2"
External skiving	3/16" - 2"	3/16" - 2"	3/16" - 2"	3/16" - 2"
Drive (kW)	Manual	0.37 ^M _{1~}	0.37 ^M _{3~}	0.37 ^M _{3~}
Type of application	Mobile	Workshop	Workshop	Workshop
First-Class Advantages				

First-Class Advantages

- Internal & External Skiving**
Simultaneous internal and external skiving in one operation.
- Universal**
For all types of hoses and fittings.
- Ecoline**
High quality for those new to crimping.

USM 10 S

USM 10 S
With TU Table and tooling storage
(USM 10 S TU Package).





USM 100



USM 125



USM 150

	USM 100*	USM 125*	USM 150*
	5/8" - 2 1/2"	5/8" - 4"	2" - 5"
	1/4" - 2"	5/8" - 4"	2" - 5"
	1.2 / 1.8 ^M _{3~}	3.3	4.4
	Production	Production	Production

Features

User-friendly control improves efficiency

- Full concentration on the piece due to control via foot pedal.
- Big Makrolon® window provides a good view on the workpiece.

CE compliant

- Protective cover with gas spring for easy opening.
- Safety flap for injury-free working.
- Safe installation on the workbench.

Accessories



TU-Table



SSG

Marking-, Bending Machines, Nipple Inserter, Pin Prick

” For the all-purpose workshop! “



UNE 10



UNE 115



PR 10



PR 12



PR 14

Technical Data	UNE 10	UNE 115	PR 10	PR 12	PR 14
Working range	≤ 2"	≤ 3"	Ø 8 - 45 mm	Ø 8 - 55 mm	Ø 30 - 100 mm
Air pressure (bar)	7	8	-	-	-
Force (kN)	5.1	8	-	-	-
L x W x H (mm)	600 x 810 x 310	625 x 1185 x 320	290 x 150 x 330	270 x 200 x 400	400 x 265 x 565
Weight (kg)	35	100	~ 8	~ 22	~ 58
First-Class Advantages	 		 		

First-Class Advantages



Universal

For all types of hoses and fittings.



Ecoline

High quality for those new to crimping.

Perforating dies for crimpers



- PR PB-232 F
- PR PB-237 G
- PR PB-266 P
- PR PB-554 H

PR PB

Delivered in 4 pieces set



UP 10 Ecoline



UP 15



UP 15 P



UIM 10

Technical Data	UP 10 Ecoline	UP 15* UP 15 Ecoline	UP 15 P NEW	Technical Data	UIM 10
Marking area (mm)	Ø 12 - 80	Ø 11.5 - 90	Ø 11.5 - 90	Working area	2" (up to DN50)
Marking depth (mm)	~ 0.5	~ 0.5	~ 0.5	Marking depth (mm)	10 - 150
Insertable steel characters (pieces)	25	26*	26*	Production capacity (h)	700
L x B x H (mm)	285 x 265 x 410	272 x 200 x 750	600 x 454 x 500	Air pressure (bar/psi)	5/72
Weight (kg)	10	28	80	L x W x H (mm)	330 x 190 x 313
Weight (kg)				Weight (kg)	4.5
First-Class Advantages				First-Class Advantages	

* Depending on the type holder.

504.003
Type holder for
UP 10 Ecoline.



508.1001.3
Type holder for
UP 15.
(4 wheels, 2 rows,
17 space total)



UBM 6-20 M

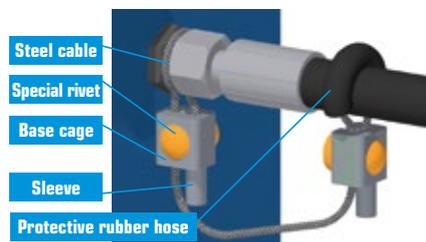
UBM 6-20 M

Tube bender OD Ø 6 mm to Ø 20 mm.



POP-Lock (Hose retention system) **NEW**

Component assembling overview



POP-LOCK_DN32-50 POP-LOCK_DN16-25 POP-LOCK_DN5-12



Test Benches and Cleaning Machines

» What about an integrated tank? « 



P 160 Ecoline



P 160



P 180



P 250



Technical Data Test Benches	P 160 Ecoline	P 160	P 180 NEW	P 250
Test pressure (bar)	150 - 1,300	150 - 1,300	150 - 1,500	150 - 1,500
Test pressure (psi)	2,175 - 18,850	2,175 - 18,850	2,175 - 21,750	2,175 - 21,750
Drive	Oscillating intensifier	Oscillating intensifier	Oscillating intensifier	Oscillating intensifier
Connection	Steck-O	Steck-O	Steck-O	Steck-O/Cone
Tank dimensions L x W x H (mm)	1,200 x 600 x 250	1,590 x 795 x 370	2,395 x 825 x 400	2,2194 x 850 x 470
Test bench dimensions L x W x H (mm)	1,400 x 600 x 1,200	2,210 x 950 x 1,325	2,916 x 1,020 x 1,200	2,700 x 1,450 x 1,550
Max. flow rate (l/min)	1.1	1.1	3.5	7.5
Options				
High pressure	–	150 - 3,000 bar / 2,175 - 43,500 psi	150 - 3,000 bar / 2,175 - 43,500 psi	150 - 3,000 bar / 2,175 - 43,500 psi
Low pressure	–	20 - 1,300 bar / 290 - 18,850 psi	20 - 1,300 bar / 290 - 18,850 psi	20 - 1,500 bar / 290 - 21,750 psi
First-Class Advantages	  	 	 	 

First-Class Advantages



Universal

For all types of hoses and fittings.



Ecoline

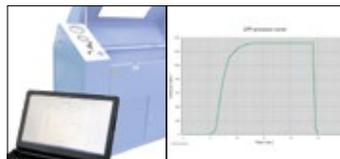
Value driven solution for less frequent use.



Integrated Tank with water

Quiet and saves workspace.

Test Benches – Accessories & Options



UPP Pressure Sensor for test benches



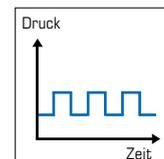
Extension element



Fast clamping system



4 Steck-O adapter 405.6



Dynamic test



P 260



P 320



P 350 mit Container



P 350

	P 260 	P 320 	P 350
	150 - 1,500 2,175 - 21,750	150 - 1,500 2,175 - 21,750	150 - 1,000 2,175 - 14,500
	Oscillating intensifier	Diaphragm pump + intensifier	Diaphragm pump + intensifier
	Steck-O/Cone		
	2,194 x 890 x 1,100	1,606 x 1,260 x 2,130	1,960 x 1,950 x 2,200
	2,700 x 1,450 x 2,100	2,270 x 1,420 x 2,525	2,100 x 2,170 x 2,650
	7.5	12.5	12.5
	150 - 4,500 bar / 2,175 - 65,250 psi	150 - 4,500 bar / 2,175 - 65,250 psi	—
	20 - 1,500 bar / 290 - 21,750 psi	20 - 1,500 bar / 290 - 21,750 psi	20 - 1,000 bar / 290 - 24,500 psi
			

Technical Data	RG 2	RG 10
Cleaning Devices		
Max. air consumption (NI/min)	100	250
Drive (air, bar)	Diaphragm pump, 7 bar Air	Diaphragm pump, 7 bar Air
Tank capacity	38 l	215 l
Output (l/min)	25	180
Working range (ID)	Up to 1¼"	Up to 2"
First-Class Advantages		

Cleaning Machines



RG 2



RG 10

” Try crimping instead of welding or screw/pin connections? “



KS 6 | KS 8 | KS 10 HMC 1-30 HM 245 HM 380 | HM 480 | HM 665 | HM 1200 HMC 5-200 HMC 12-2000

Technical Data	KS 6* KS 8* KS 10*	HMC 1-30*	HM 245	HM 380 HM 480 HM 665 HM 1200*	HMC 5-200	HMC 12-2000
Crimp force (ton)	50/80/180	25/30	75	340 bis 1,200	2,000	2,000
Industrial	-	1"	1"	4" - 16"	5"	12"
Max. crimp range (mm)	55/139/139	Ø 70	70	165 bis 450	165	380
Opening without dies (mm)	95/190/190	90	105	215 bis 580	210	435
First-Class Advantages						

Special Equipment – End Products



(Cooper-) Cable Rebar fasteners Insulator Heater Aircon hose



Special dies for forming tubes with square or round ends.

* Machine pictured.

HM 480



Assembling Hose and Fittings with Safety as Priority No. 1



Advanced training is an important investment in the future of a company in order to maintain or enhance quality and safety. As a supplier of machinery for production of hose assemblies, we are continuously extending our product range to meet the requirements of the market. Furthermore, we supply the appropriate material to our customers and we offer training courses, which qualify for production of hose assemblies meeting the high requirements regarding safety and quality. First-Class skilled personnel with expert know-how provide decisive competitive advantages. The production of hose assemblies with the best machines available on the global market ensures quality and safety.

Training

Interesting to know

In 2016, we commissioned a market study showing the following interesting results:

Many manufacturers of hose assemblies are using targeted training and practical training for the advanced training of their employees.

But only approximately 23% of the employees of those companies are qualified regarding hoses, even though 76.3% of all customers suppose that their supplier has properly trained personnel!

93.2 % of all customers expect technical recommendations from their hose supplier.

42.5 % of the customers believe that sales growth is associated with the requirement to train the customers regarding quality.

23.7 % have a vocational education in hydraulics or fluid technology.

Only 10.2% believe that training is not the decisive factor for purchasing a machine, only the price.

1. Hose Assembling

Theory and practice

Target Group

Manufacturers of hydraulic hose assemblies, using UNIFLEX machinery for production. Employees of the hose assembly department, quality control, maintenance and sales departments.

Theory

The participants acquire basic knowledge about

- Types of hose selection
- Rubber and thermoplastic hoses
- International standards and regulations
- Storage and storage periods of hose
- Hose fittings and connection forms

Practice

- Production of hose assemblies with UNIFLEX machines
- Cutting hose
- Marking of hose fittings
- Skiving, internal and external
- Crimping with production and service crimpers
- Cleaning and inspection of the hose assemblies

2. Machine Maintenance

Maintenance and repair of UNIFLEX machines

The participants acquire basic knowledge about the functioning of the machines, their maintenance and repair.

Practice

All types of machine maintenance work is carried out by our experienced service staff.

Duration of training

2 days: Day 1 – basics of hose assembling, theory and practice
Day 2 – machine maintenance
maximum 8 persons per course

Start: 09:00 h

Info and Inscriptions

www.uxinside.net

Experience the Value using UNIFLEX Machines! Share it with your Customer.



UNIFLEX Machine



Certification



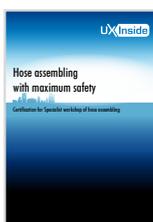
Training
Your service and sales team.



ULS (UxInside Label)



Workshop certified.



Why UNIFLEX?



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



Universal

- For all types of hoses and fittings



Ecoline

- Value driven solution for less frequent use



Ergonomic

- Free access for fast loading of the tool
- Compact design fits in any workshop and is ideal for on-site service
- Large opening travel for easy crimping of elbow fittings without removing the dies



Environment friendly

- Energy efficient and durable



Fixed 6-o'clock Die

- Stationary bottom die for efficient positioning of the product



Low Noise

- Very quiet hydraulic system



Energy efficient

- Less energy consumption with the same performance



Special Brake Motor

- A safety feature meeting DIN CE standards requiring the cutting blade to stop turning in 10 seconds



Special Cutting Motor

- Higher forces are achieved using a bigger shaft



Test-proven Cutting Blades

- Cutting blades are made out of test-proven material

We are happy to serve you.

info@uniflex.de

+49 60399171-0

Management Team:

Administration:

Henning: admin@uniflex.de

Sales:

Patrick: sales@uniflex.de

Engineering:

Carsten: engineering@uniflex.de

Service:

Michael: service@uniflex.de

Operational Management:

Patrick: patrick.sticker@uniflex.de

Product Overview

Service Crimpers



SH 2 M Ecoline



SH 2 P



SH 2 LA



SH 2 A



HM 200



SC 4 C.2



SH 4 Ecoline



SH 4 Mobileline



SH 7 S



SC 6



SC 6 S Ecoline



SC 6 S



SH 6 Mobileline



SH 6 S Ecoline



SH 6 S Mobileline



SH 10 | SH 10 XL



**SH 10 Ecoline |
SH 10 XL Ecoline**



**SC 12 i A |
SC 12 i C.2**

Accessories for Crimpers



Table TU



Basic Sheet
TU-QDS F Basic



Shelf
TU-QDS F Shelf



Pod
TU-QDS F239I



TU QDS Die Storage
System: For PB 232 &
237 & 239 & 266 dies



OSC 10 Retro
Camera system



Trolley 777.1 (for HM 3xx,
HM 220/225, HM 245,
S 6/8/10, EM 115)



PTS System



SHS Mirror



QDS 239 T +
QDS 239 S



Oil cooler



LUF magnetic light



TA



The 12 VDC/24 VDC units
offer spaceand weight-saving
application options, e.g. for
fitting service trucks.



QDC 239.5



265.2 Turntable



PS Double foot pedal



Cable DC GK 205



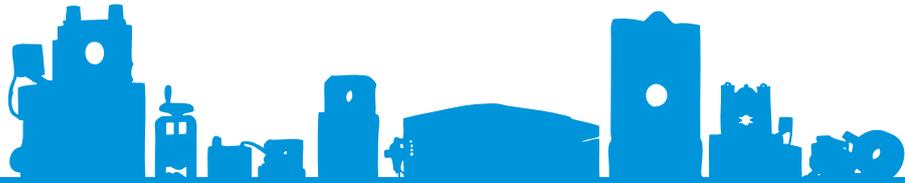
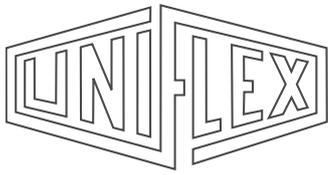
PUM 0.8/3.2-700 bar



Angle scale



Die package:
QDC 239.5 + QDS 239 B
with Quick-Die-Change.



UNIFLEX Special Innovations

– often copied, never matched!



We reserve the right to make technical changes without notice. Based on the customer-specific hose line system the working range of the machines may vary.

Where we are and how to reach us.



Climate-neutral and environmentally friendly printed on 100 % recycled paper.

GERMANY

UNIFLEX-Hydraulik GmbH
Robert-Bosch-Strasse 50-52
61184 Karben/Germany

+ 49 60 399 171 0
+ 49 60 399 171 181
+ 49 174 7641 526
sales@uniflex.de

USA

UNIFLEX of America LLC
1088 National Parkway
60173 Schaumburg, IL/USA

+ 1 847 519 11 00
+ 1 847 519 11 04
sales@uniflex.de

URUGUAY

UNIFLEX Latin America Srl
Saint Bois 5074
Montevideo, UY 12000/Uruguay

+ 598 2228 0026
+ 598 2220 1271
sales@uniflex.de

INDIA

UNIFLEX Hose Assembly Machines
India PVT. Ltd.
Khata No. 588/627, Near Kamla
Hospital, Pataudi Road, Kadipur
Industrial Area, Gurgaon
122001 Haryana, India

+ 91 7982219100
sales@uniflex.de

CHINA

UNIFLEX-Hydraulik Trading
(Shanghai) Co., Ltd.
Room 102, Floor 1, No.3 Building,
No. 9126, Hunan Road,
Pudong New Area,
Shanghai CN 201318/China
+ 86 21 5032 7022
sales@uniflex.de

SINGAPORE

UNIFLEX-Hydraulik
Asia Pacific Pte. Ltd.
No. 51 Bukit Batok Crescent #07-25
658077 Singapore
+ 65 68 96 67 95
+ 65 68 96 64 28
sales@uniflex.de

JAPAN

UNIFLEX JAPAN
Representative Office
1-20-3 Nishi-Shinjuku, Shinjuku-ku
8F, Nishi-Shinjuku Takagi Bldg.
Tokyo, JP 160-0023
Japan
+81 3 6890 3386
sales@uniflex.de