



# Cutting Machines

Clean cutting, safe handling, solid structure.



**Universal**  
For all types of hoses and fittings.



**Ecoline**  
Value driven solution for less frequent use.



**Energy efficient**  
Now even more efficient.



**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.



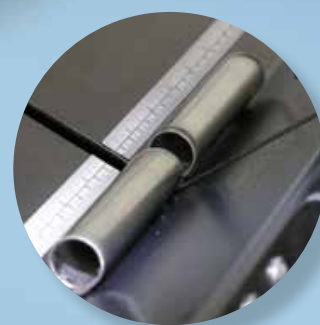
**Environment friendly**  
Engineered to last.



## UPG 10

Guillotine for industrial hoses without  
steel wire up to 2" (max. OD: 90 mm/3,45").

L x W x H (mm): 1 810 x 325 x 800



Minimum cut length 20 mm (0,78")  
2 Guide Pins for smaller size 17,5 + 22,5 mm  
(0,698" + 0,88")



UNIFLEX hose cutting machines have been a synonym for the highest precision and robustness for many decades. The solid and compact tools distinguish themselves by their safe and high-quality cutting function. A distinct property is the positioning of the extraordinarily sharp cutting blades close to the powerful motors. This significantly reduces vibration – which is one of the reasons for extreme durability and low maintenance costs.



EM 3

**Unique drive motor with double bearings and large shaft**

- Reduce scrap with straight cuts
- More cuts between sharpening while increasing profits (not TM C)
- Less contamination in the shop and in the end product will result in more parts out the door and a better environment in the building
- Maximizes motor life, giving you the lowest cost of ownership in the market
- Cut faster and generate a more saleable product

**Quality steel blade**

- Long lasting German quality steel blades, lowering the cost of ownership

**Compact Design**

- Ideal for on-site service

**ECOLINE Version**

- High quality for those new to cutting

**CE compliant**

- Brake motor for safety
- Security shield

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

**Accessories**



UVC  
Suction device



UHG 14 + UHG 14 ext  
Hose-guide



330.1  
Spark arrester



Hose coiling reel UW 2  
+ Hose measuring tool UMS 4



UAT 4  
Coiler



USH 4 + 513.1  
Hose rack



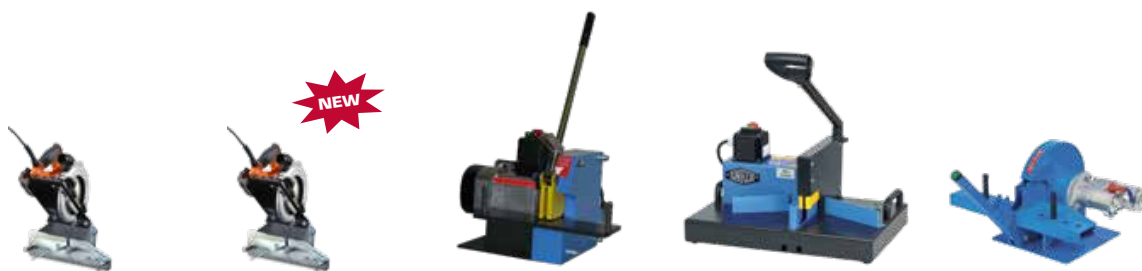
UMS 4 + 514.1  
Measuring device



513.1  
Plate for USH 4



# Technical Data



EM 1      EM 1 S      EM 3      EM 3 Ecoline      EM 3 DC

Technical data	EM 1	EM 1 S	EM 3	EM 3 Ecoline	EM 3 DC
Production SAE R 13 & SAE R 15	–	–	¾"	–	–
Workshop SAE R 13 & SAE R 15*	–	1"	1¼"	1"	1¼"
SAE R 12	⅝"	1¼"	1¼"	1¼"	1¼"
Industrial	1¼"	1¼"	2"	1¼"	2"
Max. outside	Ø 45 mm	Ø 52 mm	Ø 80 mm	Ø 52 mm	Ø 60 mm
Noise level	90 dBA	90 dBA	90 dBA	90 dBA	93 dBA
Brake motor	–	–	✓	–	–
Suction connection	Ø 30 mm	Ø 30 mm	Ø 80 mm	Ø 40 mm	Ø 40 mm
Drive	1,2 kW 1 VAC	1,2 kW 1 VAC	3 kW 3 VAC	1,8kW 1 VAC	12 V/24 V 2,0/3,2 kW
Cutting blade	TM 160x2,5x20	TM C 160x2,5x20	TM 275x3x30	TM G 200x1,6x25,4	TM 250x2x40Z
L x W x H (mm)	360 x 340 x 310	360 x 340 x 310	540 x 440 x 300	400 x 510 x 540	550 x 365 x 410
Weight	8 kg	8 kg	50 kg	20 kg	29 kg
Accessories					
TU Table	✓	✓	✓	✓	✓
Suction device**	–	–	✓	✓	✓
UVC 36 Adapter (230 Volt)	777.150	777.153	777.056	777.153	777.153
UVC 100 Adapter	–	–	330.082.3	330.083.3	330.083.3
Hose measuring tool	–	–	✓	–	–
Foot for UMS 4 (840 mm height)	–	–	✓	–	–
Hose guide 2000 mm (UHG 14)	–	–	✓	–	–

\* With special cutting blade.

\*\* Adapter needed.

## Additional Information

## Cutting blades



High-quality cutting blade, secured with a metal sheet.



Guide pins ensure straight cuts.



Blades  
TM = plain  
TM G = slotted  
TM C = coated

### 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.





UNIFLEX hose cutting machines have been a synonym for the highest precision and robustness for many decades. The solid and compact tools distinguish themselves by their safe and high-quality cutting function. A distinct property is the positioning of the extraordinarily sharp cutting blades close to the powerful motors. This significantly reduces vibration – which is one of the reasons for extreme durability and low maintenance costs.



EM 4

**Unique drive motor with double bearings and large shaft**

- Reduce scrap with straight cuts
- More cuts between sharpening while increasing profits
- Less contamination in the shop and in the end product will result in more parts out the door and a better environment in the building
- Maximizes motor life, giving you the lowest cost of ownership in the market
- Cut faster and generate a more saleable product

**Quality steel blade**

- Long lasting German quality steel blades, lowering the cost of ownership

**Compact Design**

- Ideal for on-site service

**CE compliant**

- Brake motor for safety
- Security shield

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

**Accessories**
**Standard**

 UVC  
Suction device

 UHG 14 + UHG 14 ext  
Hose-guide

 Hose coiling reel UW2  
+ Hose measuring tool UMS 4

 330.1  
Spark arrestor

 UAT 4  
Coiler

 USH 4 +  
Hose rack

 513.1  
Plate for USH 4

 UMS 4 + 514.1  
Measuring device + stand

# Technical Data



EM 4

EM 4 DC

Technical data	EM 4	EM 4 DC
Production SAE R 13 & SAE R 15	1¼"	–
Workshop SAE R 13 & SAE R 15	1½"	1¼"
SAE R 12	2"	1½"
Industrial	2"	2"
Max. outside	Ø 80 mm	Ø 75 mm
Noise level	90 dBA	93 dBA
Brake motor	✓	–
Suction connection	Ø 80 mm	Ø 40 mm
Drive	3kW 3 VAC	2,0kW 12VDC
Cutting blade	TM C 275 x 3 x 30	TM C 250 x 2 x 40
L x W x H (mm)	700 x 510 x 700	740 x 365 x 610
Weight	60 kg	29 kg
Accessories		
Bench	✓	✓
Suction device	✓	✓
UVC 36 Adapter	777.056	777.153
UVC 100 Adapter	330.082.3	330.083.3
Hose measuring tool	✓	✓
Foot for UMS 4 (840 mm height)	–	–
Hose guide 2000 mm (UHG 14)	✓	–

## Additional Information



Guide pins ensure straight cuts, which prolongs blade life.



Blades  
 TM = plain  
 TM G = slotted  
 TM C = coated

## 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.



# EM 6 | EM 8



UNIFLEX hose cutting machines have been a synonym for the highest precision and robustness for many decades. The solid and compact tools distinguish themselves by their safe and high-quality cutting function. A distinct property is the positioning of the extraordinarily sharp cutting blades close to the powerful motors. This significantly reduces vibration – which is one of the reasons for extreme durability and low maintenance costs.



EM 6 M



EM 8 M



EM 8 P

### Unique drive motor with double bearings and large shaft

- Reduce scrap with straight cuts
- More cuts between sharpening while increasing profits
- Less contamination in the shop and in the end product will result in more parts out the door and a better environment in the building
- Maximizes motor life, giving you the lowest cost of ownership in the market
- Cut faster and generate a more saleable product

### Quality steel blade

- Long lasting German quality steel blades, lowering the cost of ownership

### Compact Design

- Ideal for on-site service

### ECOLINE Version

- High quality for those new to cutting

### CE compliant

- Brake motor for safety
- Security shield

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

## Accessories

## Standard


 UVC  
Suction device

 UHG 14 + UHG 14 ext  
Hose-guide

 Hose coiling reel UW 2  
+ Hose measuring tool UMS 4

 330.1  
Spark arrester

 UAT 4  
Coiler

 USH 4 +  
Hose rack

 UMS 4 + 514.1  
Measuring device

 329.1 (for EM 6 M) |  
323.1 (for EM 8)

 513.1  
Plate for USH 4

# Technical Data



EM 6 DC      EM 6 M      EM 6 P      EM 6 Ecoline      EM 8 M      EM 8 P

Technical data	EM 6 DC	EM 6 M	EM 6 P	EM 6 Ecoline	EM 8 M	EM 8 P
Production SAE R 13 & SAE R 15	-	1¼"	1¼"	-	1¼"	1¼"
Workshop SAE R 13 & SAE R 15	2"	2"	2"	2"	2"	2"
SAE R 12	2"	2"	2½"	2"	2½"	2½"
Industrial	2"	3"	3"	2"	4"	4"
Max. outside	Ø 75 mm	Ø 85 mm	Ø 90 mm	Ø 80 mm	Ø 120 mm	Ø 120 mm
Feed	manual	manual	pneumatic	manual	manual	pneumatic
Noise level	93 dBA	90 dBA	90 dBA	90 dBA	90 dBA	90 dBA
Brake motor	-	✓	✓	-	✓	✓
Suction connection	Ø 40 mm	Ø 60 mm	Ø 60 mm	Ø 80 mm	Ø 60 mm	Ø 60 mm
Drive	3,2 kW : 24 VDC	4,6 kW 3 VAC	4,6 kW 3 VAC	2,4 kW 1 VAC	4,6 kW 3 VAC	4,6 kW 3 VAC
Cutting blade	TM C 250 x 2 x 40	TM C 350 x 3 x 30	TM C 350 x 3 x 30	TM C 275 x 3 x 25,4	TM C 400 x 4 x 30	TM C 400 x 4 x 30
L x W x H (mm)	740 x 365 x 610	745 x 690 x 430	820 x 785 x 755	700 x 510 x 700	983 x 760 x 875	983 x 760 x 540
Weight	29 kg	75 kg	110 kg	45 kg	122 kg	140 kg
<b>Accessories</b>						
Bench	✓	✓	✓	✓	✓	✓
Suction device	✓	✓	✓	✓	✓	✓
UVC 36 Adapter	777.153	777.055	777.055	777.056	777.055	777.055
UVC 100 Adapter	330.083.3	330.081.3	330.081.3	330.082.3	330.081.3	330.081.3
Hose guide (UHG 14)	-	✓	✓	✓	✓	✓

## Additional Information



Guide pins ensure straight cuts, which prolongs EM 1 EM 2 blade life.



Blades  
 TM = plain  
 TM G = slotted  
 TM C = coated

## 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.



# EM 115 | EM 120



The EM 115 and EM 120 are highly productive cutting machines. These machines are best suited for high volume manufacturing of 2" hoses along with workshop capability for 3" high pressure hose and 4" industrial hose.



EM 120



EM 115

### Unique drive motor with double bearings and large shaft

Reduce scrap with straight cuts

More cuts

Less contamination in the shop and in the end product will result in more parts out the door and a better environment in the building

Maximizes motor life, giving you the lowest cost of ownership in the market

Cut faster and generate a more saleable product

### Quality steel blade

Long lasting German quality steel blades, lowering the cost of ownership

### CE compliant

Brake motor for safety

Security shield

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

## Accessories



UHG 14 + UHG 14 ext  
Hose-guide



Hose coiling reel UW2  
+ Hose measuring tool UMS 4



UAT 4  
Coiler



USH 4 + 513.1  
Hose rack



UMS 4 + 514.1  
Measuring device



513.1  
Plate for USH 4

## Standard



330.2  
Spark arrester

# Technical Data



EM 115

EM 120

Technical data	EM 115	EM 120
Production SAE R 13 & SAE R 15	2"	3"
Workshop SAE R 13 & SAE R 15	3"	4"
SAE R 12	3"	4"
Industrial	3"	4"
Max. outside	Ø 125 mm	Ø 140 mm
Feed/Control	pneumatic/pneumatic	electric/C.2 IPC
Noise level	80 dBA	80 dBA
Brake motor	✓	✓
Suction connection	Ø 100 mm	Ø 100 mm
Drive	7,5 kW 3 VAC	7,5 kW 3 VAC
Cutting blade	TM C 520 x 4 x 40	TM C 520 x 4 x 40
L x W x H (mm)	1 210 x 650 x 1 650	1 810 x 330 x 1 440
Weight	245 kg	350 kg
<b>Options</b>		
Bench	-	-
Suction device	UVC 100	UVC 100
UVC Adapter	-	-
Hose guide (UHG 14)	✓	✓



## Additional Information



Lateral guide rolls for guiding and positioning of the hose, for a better cutting quality.



Various bending points selectable for straighter cuts and relief of pinch on the blade.



Exchangeable guide (two sizes) for optimum positioning of different hose sizes. (EM 115 only)



Guide for perfectly centering hoses.

## 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.



# USC 10 | USC 20 | USC 30



FOR CORRUGATED METAL HOSES AND PTFE HOSES

Cutting results that often eliminate an additional step. This completely unique planetary cutting machine delivers almost scrap-free production with high efficiency. With a completely variable centering clamp system, all hose ODs to the maximum rating for the machine can be cut. Approximate cutting time is 25 seconds for 1 1/4" (ø DN 32).



USC 10 | USC 20

### Productive and ergonomic

- No dramatic flaring of the stainless steel braid
- Reduces or eliminates time-consuming manual preparatory work, thereby increasing productivity and lowering costs
- Centering hose clamp system
- Shortest cut possible from 10 cm
- No wrapping/unwrapping with adhesive tape required
- Uses standard cutting blades

### Siemens Industrial Color Touch Panel

- Clearly laid-out user-friendly software on a panel with a 6" color display screen
- Large article memory promotes productivity
- Reference run for optimal positioning of the cutting blade for cutting all hose diameters
- Programmable constriction time, cutting blade speed and cutting time allows for good results through a wide range of hose sizes and materials
- Monitoring of production by resettable total counter, batch size counter or daily cut counter

### CE compliant

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

## Standard

- Control C
- Belt Tension Tool
- Reference drive
- Total measurer
- Batch size measurer (resettable)
- Daily measurer (resettable)

## Accessories



Option  
Small outside hose diameter (6-8 mm)  
325.8



5,7" display |  
Touch panel



325.3  
Hose guide

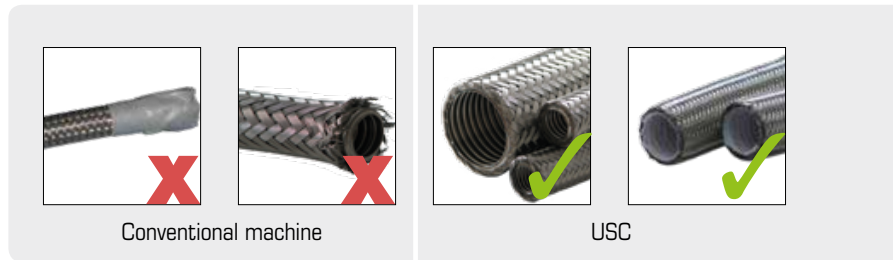


UHG 14 + UHG 14 ext  
Hose guide

61



## Technical Data



USC 10 | USC 20 | USC 30

Technical data	USC 10	USC 20	USC 30
Cutting blade	TM 200 x 2 x 25,4 mm	TM 250 x 2 x 25,4 mm	TM 350 x 3 x 32 mm
Wire braid	2"	4"	6"
Hose diameter	Ø 3/8" - 2" (DN 10-51)	Ø 2" - 4" (DN 50-100)	Ø 4" - 6" (DN 100-150)
Max. rotation wire forming blade	7 200 rpm	7 200 rpm	4 100 rpm
Max. rotation trimming	60 rpm	60 rpm	30 rpm
Drive	4,6 kW 3 VAC	4,6 kW 3 VAC	5 kW 3 VAC
Air pressure	6 bar	6 bar	6 bar
Noise level	85 dB(A)	85 dB(A)	85 dB(A)
Working high	1 020	1 100	1 045
L x W x H (mm)	730 x 670 x 1 400	730 x 770 x 1 500	900 x 1 250 x 1 520
Weight	245 kg	340 kg	580 kg
Control Siemens S7	✓	✓	✓
Article memory	✓	✓	✓
Feed	pneumatic	pneumatic	pneumatic
Suction device*	standard	standard	standard
<b>Options</b>			
Hose guide (UHG 14)	✓	✓	

\* Adapter needed.

## Additional Information



Improved fixture for centering hose clamp. Longer, grooved rollers ensure a better grip.

**Planetary cutting machine** for corrugated metal hoses and PTFE hoses. The unique procedure enables quick and neat cutting of corrugated metal and PTFE hoses without flaring the other stainless steel braid.

- Eliminates flaring
- No more trimming
- Easily slip the ferrule into position
- Reduces assembly injuries
- Improves production efficiency
- Touch panel with memory (optional 5,7" display)
- Quick and easy set up
- Allows broader application range to now include PTFE hose



# Options and Accessories

For Cutting Machines.





### Suction device UVC 100

Suction device for all cutters

Suction: Ø 100 mm

Spark arrestor, Filter alarm

517.025: Active Carbon filter (Pellets)

517.012: Filter HEPA H 13

517.010: Wire filter

517.011: Cassette filter

Drive: 5,5kW 3 VAC

Nominal air flow: 8 600 m<sup>3</sup>/H

Noise level: 60 dB(A)

Option: Suction arm

UVC 100 Adapter:

330.083.3: Ø 40 mm, EM 1S, EM 3.2DC, EM 4 DC, EM 6 DC

330.081.3: Ø 60 mm, EM 8.3, EM 6.2

330.082.3: Ø 80 mm, EM 3, EM3 DC, EM6, EM 8, EM 8.2

L x B x H: 1 550 mm x 475 mm x 1 080 mm

Weight: 140 kg



### Suction device UVC 36

Suction device with spark arrestor

(UVC S36-21 + UVC S36-FL)

UVC 36 Adapter

Art.

777.153: Ø 40 mm, EM 1S, EM 3.2DC, EM 4 DC, EM 6 DC

777.055: Ø 60 mm, EM 8.3, EM 6.2

777.056: Ø 80 mm, EM 3, EM3 DC, EM6, EM 8, EM 8.2

Nominal air flow: 216 m<sup>3</sup>/H

Noise level: 57 dB(A)



### UHG 14 + UHG 14 ext

UHG 14 Hose guide 2 000 mm and

UHG 14 ext. extension guide 1 000 mm

for all cutting machines



### 329.1 (for EM 6 M) | 323.1 (for EM 8)

Resettable cutting counter

# Options | Accessories Cutting Machines



### UWT 2 vs (optional UMS 4 + 514.1)

Electric driven hose coiling reel with foot pedal for easy winding and unwinding of hoses up to 1 1/4" optional with length measuring device incl. foot stand.

RPM per Pedal  
0 to 61 RPM

Maximum Load      80 kg  
L x W x H            800 x 900 x 1 600 mm  
Weight                70 kg



### UMS 4 + 514.1 (floor stand)

Hose measuring tool up to 1 1/4", O1 OD Ø 65 mm can be mounted in front of the cutter or on a hose coiler.

Measures up to 999,99 m  
tolerant            2 - 7%  
L x W x H        250 x 260 x 120 mm  
Weight            5 kg  
Metric unit only



### 513.1 (Accessory)

Plate for USH 4



### Spark arrester

330.1 EM 1 to EM 8  
330.2 EM 120 & EM115



**UAT 4**

Hose winder for storing hoses

Ø 1 200 mm

L x W x H 820 mm x 900 mm x 1 600 mm

Max. load 80 kg

Weight 70 kg

Center pin set up

Smallest Ø 277,5 mm

Biggest Ø 577,5 mm



**USH4-50**

Hose winder for the easy storage of your hydraulic hoses, up to seven levels.

cage-Ø outside/inside 820/760 mm

external dimension 1 000 mm

level high 310 mm

Cage ultimate load 80 kg

513.1:

Plate with fixing bolts

USH 4-5 Height 1 650 mm



**778.2**

Wheel option for TU-UWT



**TU**

Workbench for miscellaneous machines

(84 x 71 x 75 cm)

Max. load: 800 kg