



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.



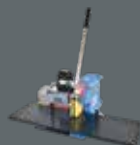
Environment friendly
Engineered to last.



EM 1



EM 3



EM 4



EM 6



EM 8



EM 115



EM 120

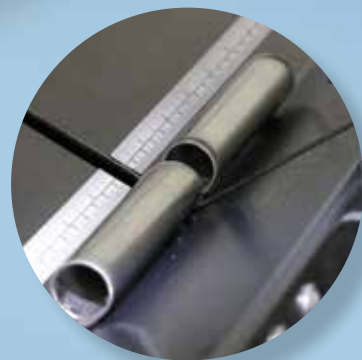


USC 10 | USC 20 | USC 30

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 arrestor



Hose coiling reel UWT 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





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



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



Guide pins ensure straight cuts.



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.





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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



UVC
Suction device



UHG 14 + UHG 14 ext
Hose-guide



Hose coiling reel UWT 2
+ Hose measuring tool UMS 4



UAT 4
Coiler



USH 4 +
Hose rack



513.1
Plate for USH 4



UMS 4 + 514.1
Measuring device + stand

Standard



330.1
Spark arrestor



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.





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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

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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



Hose coiling reel UWT 2
+ Hose measuring tool UMS 4



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

Standard



330.1
Spark arrester



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
Accessories						
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.





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 UWT 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

Standard



330.2
Spark arrestor



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
Options		
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

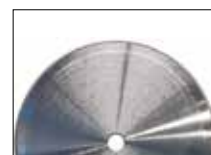
TM C, TM G and TM

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.





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 1¼" (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

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



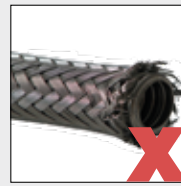
5,7" display I
Touch panel



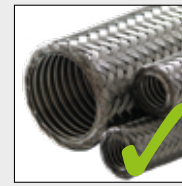
325.3
Hose guide



UHG 14 + UHG 14 ext
Hose guide



Conventional machine



USC

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
Options			
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 m³/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 m³/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



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",
Ø1 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



Skiving Machines

Easy to use and safe.



Internal & External Skiving

Simultaneous internal and external skiving in one operation.



Universal

For all types of hoses and fittings.



Ecoline

Value driven solution for less frequent use.



USM 2



USM 10



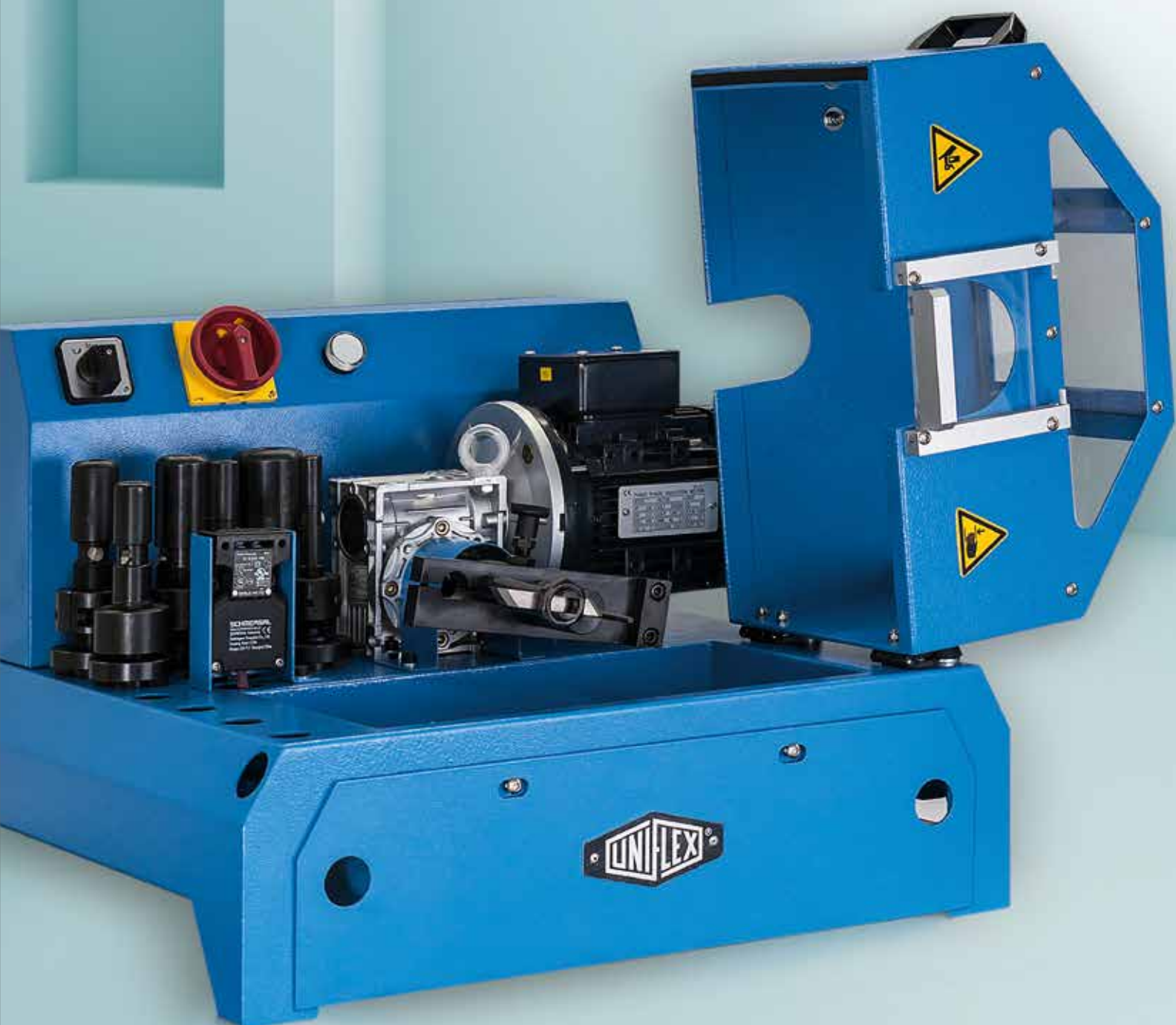
USM 10 S



USM 100



USM 150





The new skiving machine, with the fastest change-over time due to preset tools and simple locking pins. The USM 10 S skives internally from 5/8" up to 2" and externally from 3/16" - 2" dies, making this system the perfect solution.



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

User-friendly control improves efficiency
Full concentration on the piece due to control via foot pedal
Big Makrolon® windows give a good overview
Higher productivity due to quick change-over time
Easy exchange of skiving tool using a locking pin
Preset tools save time. When switching from one size to another, just put in the preset skiving tool and in seconds you are skiving another size (USM 10 S)
CE compliant
Easy-open protective cover
Safety flap for injury-free working
Safe installation on the workbench



USM 2



USM 10

Accessories



SSG
Slitting tool – to keep the skiving chips short



TU - work bench



USM 10 S - PJ RKSTLS
without mandrels



USM 10 S - 313.1
Set with 6 mandrels.
Internal skiving mandrel.



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	Manual	0,37 kW (1~)	0,37 kW (3~)	0,37 kW (3~)
Type of application	Mobil	Workshop	Workshop	Workshop
Noise level	-	60 dBA	60 dBA	60 dBA
L x W x H (mm)	338 x 465 x 445	440 x 440 x 545	440 x 440 x 545	440 x 440 x 545
Weight	16 kg	35 kg	35 kg	35 kg
Tool revolution	–	110 rpm	110 rpm	110 rpm
Options				
Bench	✓	✓	✓	✓
SSG	✓	✓	✓	✓

Packages	
USM 2	+ external skiving mandrel (PJ_EXB 250- DN 05, 06, 08, 10, 12, 16, 19, 25, 31,38, 51) + internal skiving tool (UIS.2 DN 16, 19, 25, 31, 38, 51)
USM 10 ecoline/USM 10	+ external skiving mandrel (PJ_EXB 250- 05, 06, 08, 10, 12, 16, 19, 25, 31,38, 51) + internal skiving tool (UIS.2 DN 16, 19, 25, 31, 38, 51)
USM 10 S	with preset tools for fast and easy tool change with 11 external skiving tools (UES.3 - 05, 06, 08, 10, 12, 16, 19, 25, 31, 38, 51) + 313.1 (Set with 6 internal skiving tools - UIS.3- 16, 19, 25, 31, 38, 51) + tool rack (PJ_RKSTLS)
USM 10 S TU	+ TU same as USM 10 S package, additional: Machine and tool rack mounted on the UNIFLEX table TU

Additional Information



Easy exchange of skiving tool using a locking pin on USM 10 S.



Skiving mandrels are manually adjustable.



Safety switch for riskless operation.



Easy adjustment of the skiving tool.



Blade adjustments for skiving depth need only to be made once for each hose dimension on the USM 10 S.

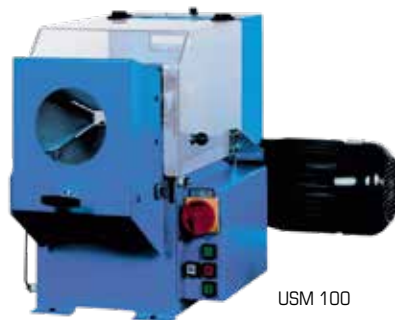


1 tool on the USM 10 Ecoline for all dimensions.



Internal and external skiving - efficient and clean!

The USM 100 is a machine that prepares hoses for assembly, and skiving can be done both internally and externally simultaneously. The USM 150 is a stable machine for skiving up to 5"-industrial and rotary hose. The double-skiving tool with reinforced mandrels can be controlled separately or simultaneously without changing the tool.



USM 100



USM 150

User-friendly control improves efficiency

Full concentration on the piece due to control via foot pedal

Big Makrolon® windows give a good overview

Hose guiding system can be controlled manually

Easy access to scrap drawer

Simultaneous internal and external skiving

Higher productivity due to quick change-over time

Easy exchange of skiving tool using a locking pin

Preset tools save time. When switching from one size to another, just put in the preset skiving tool and in seconds you are skiving another size.

CE compliant

Easy-open protective cover

Safety flap for injury-free working

Safe installation on the workbench (USM 100)



Package

Package USM 100

Machine

+ 5 internal skiving mandrels UIT Ø 20-Ø 25-Ø 31-Ø 38-Ø 51

+ 5 external skiving tools UOP 6,8,10,12,16

+ 5 external skiving tool holder (UOT 6 - 51)

+ 1 chuck (307.903)

+ SSG

Package USM 150

Machine

UIS - DN 50 to DN 125

UES - DN 50 to DN 125

Standard



Simultaneous internal and external skiving. (USM 100)



USM 100



USM 150

Technical data	USM 100	USM 150 NEW
Internal skiving	¾" – 2½"	2" – 5"
External skiving	¼" – 2"	2" – 5"
Drive	1,2/1,8 kW (3 VAC)	4,4 kW (3 VAC), 7 bar (100 PSI)
Type of application	Production	Production
Noise level	60 dBA	60 dBA
L x W x H (mm)	780 x 620 x 550	2545 x 810 x 1500
Weight	70 kg	700 kg
Tool revolution	392 rpm/592 rpm	94 rpm
Accessories		
Bench	✓	–
SSG	Standard	✓
TU Table	✓	–

USM 150	
Internal Skiving	UIS 150 – DN 51, DN 63, DN 76, DN 89, DN 100, DN 125
External Skiving	UES 150 – DN 51, DN 63, DN 76, DN 89, DN 100, DN 125

USM 100	
Internal Skiving	UIT 12, UIT 20, UIT 25, UIT 32, UIT 40, UIT 50, UIT 12, UIT 60,
External Skiving	UOP 06, UOP 08, UOP 10, UOP 12, UOP 16, UOP 20, UOP 25, UOP 32, UOP 40, UOP 50,
Blade Holder	UOT 06 - 50, UOT 60

Accessories



SSG Slitting tool – to keep the skiving chips short. Included with USM 100.



TU - work bench

Additional Information



The SSG slitting tool shortens skiving chips.



Double skiving tool with hose.



Clamping and guiding unit with wheels for up to 5"-hoses.



Nipple Insertter, Pin Prick

Simplify your production.



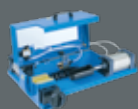
Universal

For all types of hoses and fittings.



Ecoline

Value driven solution for less frequent use.



UNE 10



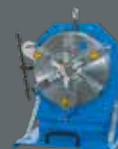
UNE 115



PR 10



PR 12

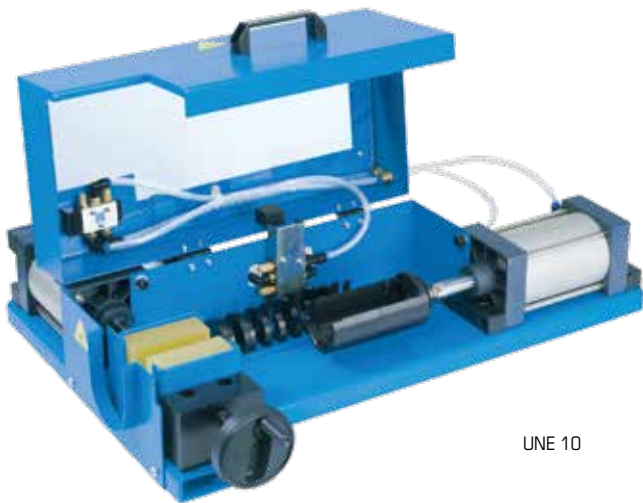


PR 14





The UNE 10 and UNE 115 are high-performance tools for production and the workshop. These machines now permit fittings up to 3" to be inserted or extracted. Due to its innovative rapid tool sled, the insertion of 90 degree, 45 degree or straight fittings without changing tools is now simple and quick with the UNE 115.



UNE 10



UNE 115

Ergonomic

Freely positionable foot pedal for clamping hose saves time and increases productivity – UNE 115

Liftable eyelets for easy positioning of the machine – UNE 115

Easy handling

Universal hose clamping dies for all hose diameters – no change-over eliminates lengthy setup times

Axially adjustable clamping unit for all diameters prevents kinking of thin hoses for efficient operation

Individual clamping force adjustment for damage-free clamping and avoiding scrap

Zero maintenance reduces costs

Rapid sled for inserting curved and straight fittings without time-consuming exchange of fork sets saves time

Safety compliant

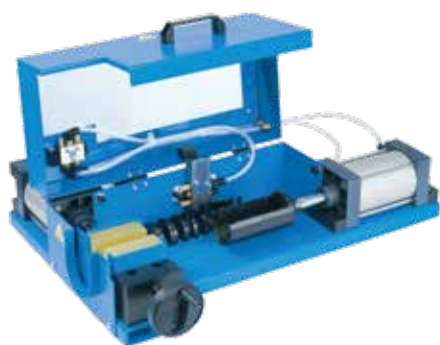
Safety guards on all moving components

CE-compliant, robust UNIFLEX quality

Standard

Established standard functions:
10 inserts for hose ferrules with bended tubes
(Ø 12, 15, 18, 22, 28, 34, 42, 54 mm
and one closed insert)

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



UNE 10



UNE 115

Technical data	UNE 10	Technical data	UNE 115
Max. nipple insertion (OD fitting, straight or elbow)	< 2"	Working range	< 3"
Force	5,1 kN (6 bar)	Hose max. outside	Ø 120 mm
Piston stroke	100 mm	Compressed air connection	8 bar
L x W x H (mm)	600 x 810 x 310	Insertion force	8 kN (8 bar)
Weight	35 kg	Clamping force	8 kN (8 bar)
Pneumatic air supply	7 bar/100 psi	Control	Foot pedal
		L x W x H (mm)	625 x 1 185 x 320
		Weight	100 kg
		Pneumatic air supply	8 bar/116 psi

* According to the manufacturer.

104.1150 standard set UNE 115:

103.100.4 gap application 8-14
103.101.4 gap application 16-22
103.102.4 gap application 24-27
103.103.4 gap application 31
103.104.4 gap application 37
103.105.4 gap application 39
103.106.4 gap application 43
103.107.4 gap application 58
103.108.4 limit plate
103.109.4 centering pin 5
103.110.4 centering pin 7
103.111.4 centering pin 10
103.112.4 centering pin 14
103.113.4 centering pin 19
103.114.4 centering pin 24
103.115.4 centering pin 29
103.116.4 centering pin 42
103.117.4 gap application 65
103.118.4 gap application 80
104.042.3 equipment blade
104.043 star knob

Accessories



TU Table



778.2 hard rubber wheels set (4 pieces) - 2 incl. locking brake for TU

Additional Information



Preloading Safety control coupled to foot pedal.



Secure clamping unit.



Axially adjustable clamping unit - prevents bending of small hose dimensions.



The use of gas hoses (e.g. compressed air, nitrate, etc.) requires perforating the outer layer. With low effort, the PR 10 / PR 12 / PR14 makes perforating the outer layer of hoses easy.

The established UNIFLEX quality gives you a precision tool to work with hoses up to an outer diameter of 100 mm.



PR 10



PR 12



PR 14

Perforating with standards

Constant and quick adjustments of the prick depth directly on the machine

Closable needles

Pricking from 4 sides simultaneously (PR 10/PR PB)

No injury to the pressure holder

Compact construction and tried-and-tested technique

Perforating of even 8 mm OD hoses is possible

Saves space

User friendly

Easy adjustment of hose dimensions

2, 3 or 4 wheels can perforate, depending on what is needed

Saves money

No course of instruction needed

Patent solution vs. costs – PR PB

No investments for additional machines

No maintenance

Saves time due to reproducible adjustments of the prick depths

Easy handling

Perforating dies for crimpers



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

Delivered in 4-piece sets

Accessories



505.1
For PR12
3 Wheel
extension kit



PR 10



PR 12



PR 14



Technical data	PR 10	PR 12	PR 14
Working range	Ø 8 - 45 mm	Ø 8 - 55 mm	Ø 30 - 100 mm
L x W x H	290 x 150 x 330	270 x 200 x 400	400 x 265 x 565
Weight	~ 8 kg	~ 22 kg	~ 58 kg

Machine	PR PB	Hose Ø (0 - max. OD)	PR PB Intermediate die set
S6	PR PB 266 P	0 - 45 mm	/.
S6 ECOLINE	PR PB 266 P	0 - 45 mm	/.
HM290	PR PB 232 F	0 - 68 mm	/.
HM502	PR PB 232 F	0 - 70 mm	554.232 L
S8	PR PB 237 G	0 - 45 mm	/.
S8 ECOLINE	PR PB 237 G	0 - 45 mm	/.
S10	PR PB 237 G	0 - 45 mm	/.
S10 ECOLINE	PR PB 237 G	0 - 45 mm	/.
HM325	PR PB 237 G	0 - 70 mm	/.
HM375	PR PB 237 G	0 - 70 mm	/.
HM380	PR PB 237 G	0 - 70 mm	/.
HM420	PR PB 237 G	0 - 50 mm	245.237 L
HM480	PR PB 237 G	0 - 150 mm	245.237 L
HM485	PR PB 237 G	0 - 130 mm	245.237 L
HM660	PR PB 237 G	0 - 120 mm	245.237 L
HM1200	PR PB 237 G	0 - 120 mm	245.237 L
HM665	PR PB 237 G	0 - 120 mm	245.237 L



PR PB

Additional Information



Constant prick depth



Side view



With perforating wheels

Double Prick Wheels

- Straight perforation
- No twisting of hoses

Adjustments

- Perfect hose guidance and centration
- Optimal adjustment of hose dimensions

Compact construction

- With minimum space requirements
- Mobile usage possible



Marking and Bending Machines

Easy handling, rugged design, reliable operation.



Universal

For all types of hoses and fittings.



Ecoline

Value driven solution for less frequent use.



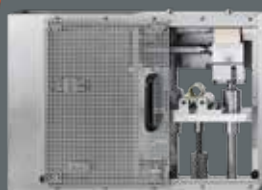
UIM 10



UP 10 Ecoline



UP 15



UP 115



UBM 6-20 M



UNT 6



UNT 10



Use of marked hoses improves safety. The UIM 10 is a low-cost insert marking tool for up to 2" hoses. The marking can be repeated exactly. In order to assure to skive the proper length or the fitting is inserted properly.

You can mark up to 700 hoses in an hour. This means you can manually mark hoses three times faster with a lot more precision.



Stamp Pad:	Cartridges:	Solvent:
515.027.4	515.1 White 515.1 Black 515.1 Red 515.1 Yellow 515.1 Blue	515.1 Solvent

Amortisation

Amortisation reached after 20 hours or 14,000 hoses

Minimum space requirements and easy handling make long trainings or otherwise costly stationaries needless

Reduction of discard through exact positioning of hoses and tools

Time and cost saving positioning of the tools increases productivity and profitability

Low maintenance costs

Pressure stamps for marking the ends of hoses with ink cartridges especially made for this work, prepared not to dry out

One ink cartridge lasts for approx. 10,000 markings

Technical innovations for steady quality

Pneumatic activation of the stamp

Clean markings

Exact and stable markings in each repetition

CE conformity



UIM 10

Technical data	UIM 10
Working range	2" (up to DN50)
Marking depth	10 - 150 mm
Production time max.	700/h
Air Pressure	5 bar (72,5 PSI)
L x W x H (mm)	330 x 190 x 313
Weight (kg)	4,5

UNIFLEX insert – marking tool (ferrule position marking) Increases productivity and improves safety in hose sizes up to 2".



Additional Information



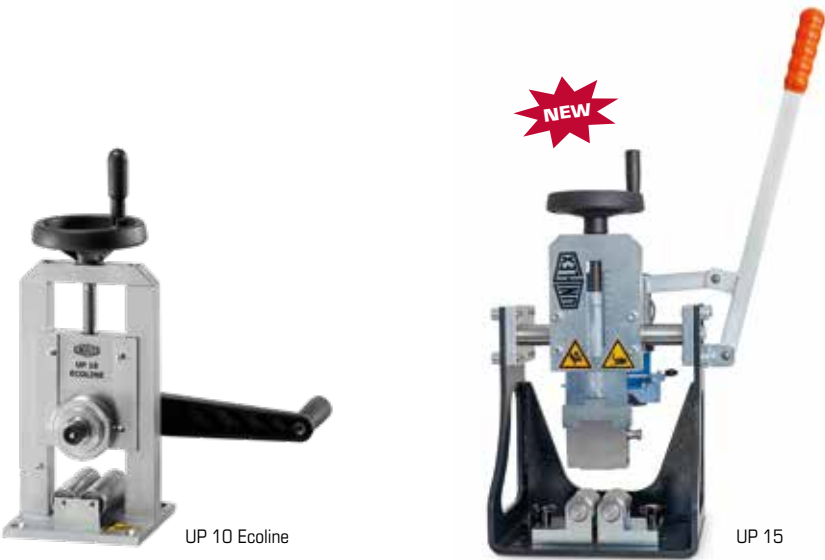
Mark hoses precisely and quickly with the UIM 10.



Optimal marking process



The UNIFLEX marking tool UP 10 Ecoline/UP 15 has a compact table construction. The European safety regulations DIN20066-2012-10, EN853, 854, 856, 857 stipulate that hose lines have to be marked indelibly with the manufacturer code, the assembling date and the max. pressure, e.g: XX_YY/MM_330 bar. This embossing will also allow you to indicate who produced the hose line and when. This is helpful information in the case of warranty claim. The new and compact UNIFLEX marking tool UP 10 Ecoline is a precise and easy-to-handle tool. The robust technology and low maintenance makes it a perfect machine for mobile operations or workshops.



Compact Design
Compact for mobile usage, standard with a 1-row marking tool
User friendly
Easy height adjustments possible
Precise and robust technique
Easy handling and adjustments
Low maintenance
ECOLINE Version
High quality for those new workshops



Package

UP 10 Package =
UP 10 Ecoline + UPTS 10

UP 15 Package
UP15 + UPTS 100

UP 115 PBHC Package =
UP 115 + UPTS 100
506.050.3
506.080

UP 10 Ecoline Package:
UPTS 10
Marking Type Set
Letters: 1x A, B, I, N, R, S, /, 2x P, 10x space,
4x letter of own choice
4 mm high/2,5 mm width
Numbers: 6 x 1; 5 x 2,3,4,5; 4 x 6; 3 x 7,8,9; 4 x 0
wild character 1 x 504.033.4 (5-fold) +
504.034.4 (10-fold)
Neutral: Brush, Tweezers, Mirror

UP 115 Package:
UPTS 100
Marking Type Set
Letters: 1x A, B, I, N, R, S, /, 2x P, 10x space,
4x letter of own choice
3 mm high/2 mm width
Numbers: 6 x 1; 5 x 2,3,4,5; 4 x 6; 3 x 7,8,9; 4 x 0
Neutral: Brush, Tweezers, Mirror



UP 10 Ecoline



UP 15



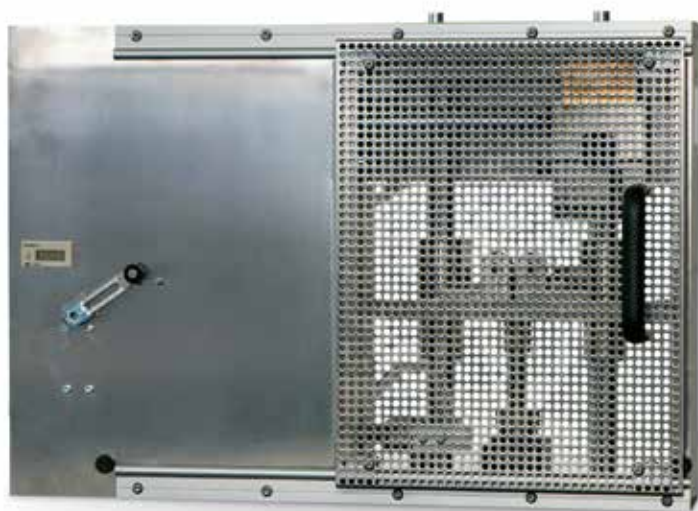
UP 115**

Technical data	UP 10 Ecoline	UP 15	UP 115
Marking area	Ø 12 - 80 mm	Ø 11,5 - 90 mm	Ø 11,5 - 100 mm
Marking depth	~ 0,5 mm	~ 0,5 mm	~ 0,5 mm
Insertable steel type	25 pieces	30 pieces*	30 pieces *
Drive	Manual	Manual	Pneumatic 7 bar (98 PSI)
L x W x H (mm)	285 x 265 x 410	272 x 200 x 750	625 x 465 x 325
Weight (kg)	10	35	48

Marking depth depends on the adjustment of the marking roll.

* Depending on the type holder.

** Not for 1 piece fitting



UP 115 closed

Accessories



504.003

Additional type holder for UP 10 ecoline. Simple change between different markings. 25 types.



506.060.3

Type holder for UP 115. Single row, 13 characters, 4 number type wheels and bar/psi stamp.

508.1003.3

UP 15



508.7001

Counter for UP 15



506.090

Counter for UP 115



506.050.3

Type holder for UP 115. Double row, 15 characters each.

508.1002.3

UP 15



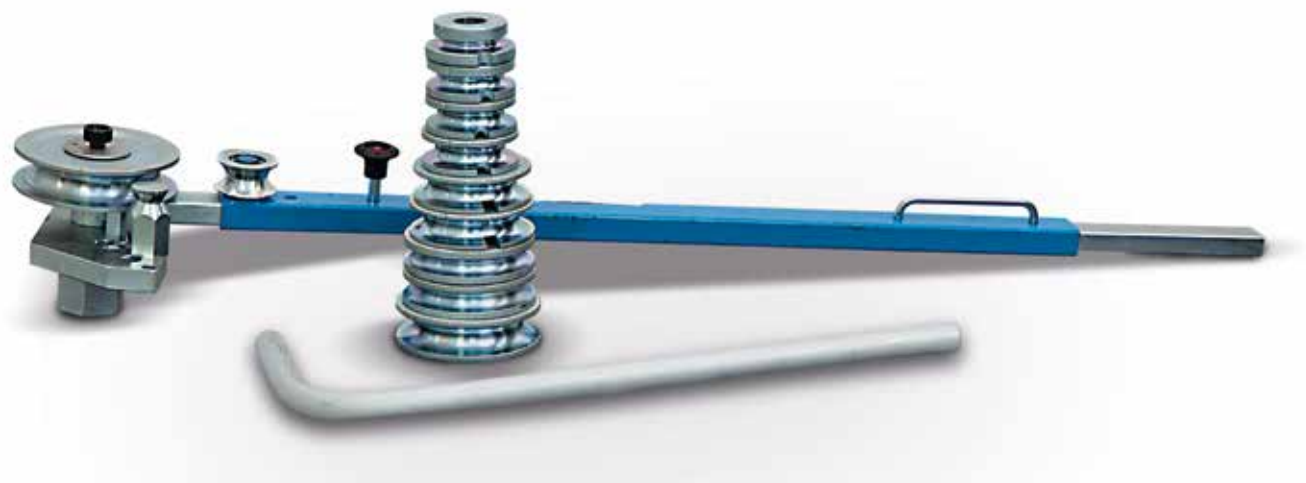
506.080

Height Setting Display for UP 115.

Standard UP 115

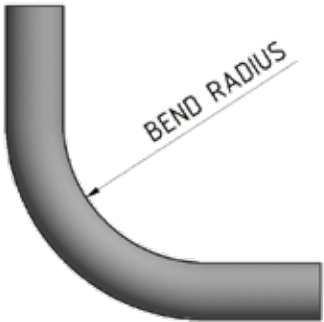
The UBM 6-20 M is a universal bending device for steel pipes up to 20 mm OD. It comes with a set of bending rolls for common applications.

An integrated scale for angle detection helps you to reach the required pipe dimension in only one work step. The telescopic lever keeps the operator's forces low when bending rigid pipes.



Compact design
Compact for mobile usage
Standard with a set of 9 bendings rolls
User friendly
Easy handling
Simple adjustment
Wide workpiece range
Innovative design
Angle scale included
Telescopic lever

UBM 6-20 M		
Technical data	UBM 6-20 M	
Working range	OD Ø 6-20 mm	
Bending radius (mm)	19 - 40	
Drive	Manual	
L x W x H (mm)	870 x 170 x 130	
Weight (kg)	15	
Bendings rolls	Tube OD (mm)	Bending radius (mm)
121.0	6	R19
110.3	8	R19
101.3	10	R21
92.5	12	R21
83.3	14	R22
74.3	15	R28
65.3	16	R30
56.3	18	R35
47.3	20	R40



UNT 6 and UNT 10 are reliable machines for the production of reusable hose assemblies, insertion of high pressure fittings or even to use with a skiving tool.

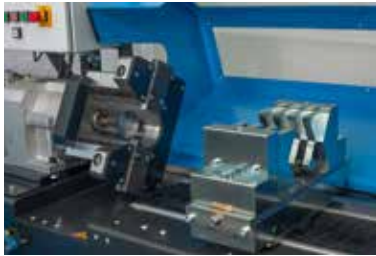


UNT 6



UNT 10

Technical data	UNT 6	UNT 10
Maximum Hex or hose diameter	40 mm (1,57")	100 mm (4")
Maximum travel distance	500 mm (19,68")	300 mm (11,81")
Clamping Jaw	7 – 55 mm (0,02" – 2,16")	12 - 17 mm (0,47" - 0,67") 17 - 46 mm (0,67" - 1,81") 46 - 80 mm (1,81" - 3,15")
Drive	1,5/3,6 kW 3 VAC	1,5/3,6 kW 3 VAC
Motor rotation (RNP)	101/207	101/207
Noise level	70 dBA	70 dBA
L x W x H (mm)	1 600 x 550 x 850	1 600 x 550 x 850
Weight (kg)	176,5	223



Standard



Foot pedal



Security Cover (UNT 6)