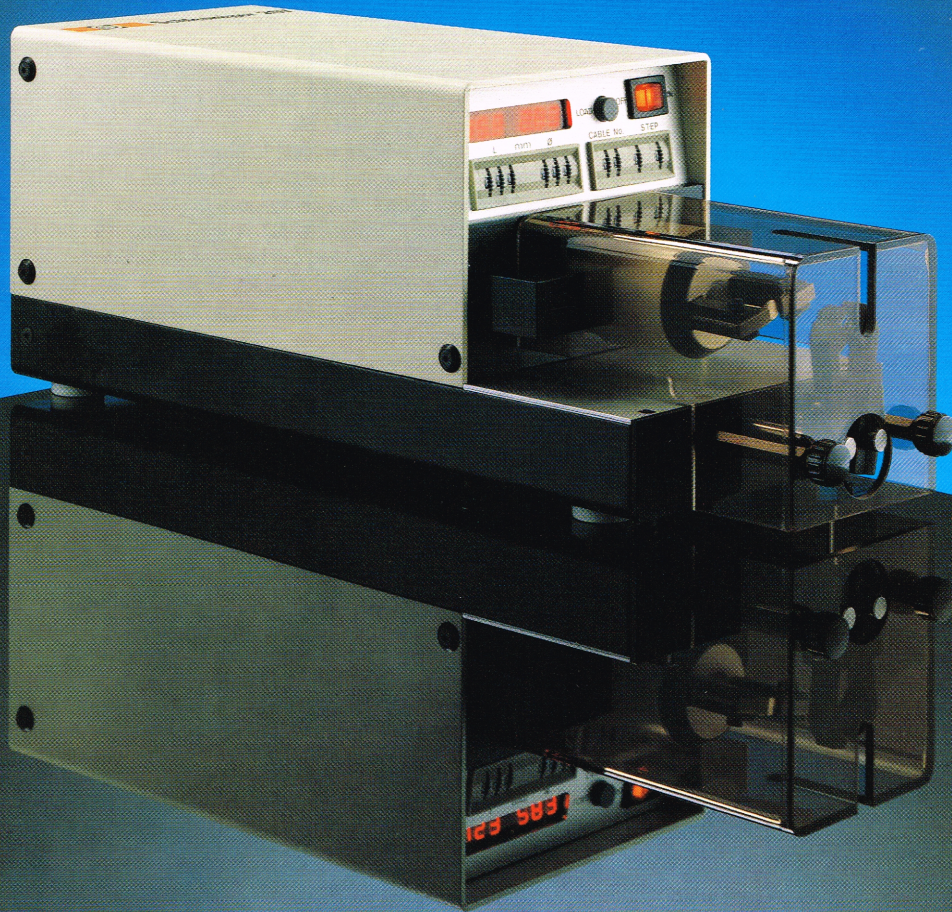




SCHLEUNIGER CO 207



\$A. 13,000 approx

Programmable coaxial cable- stripping machine

Strips up to 3 stages in one machine operation
Strips 3-stage coaxial cable in 7 seconds!

 **DR. SCHLEUNIGER** PRODUCTRONIC AG

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The SCHLEUNIGER 207 can strip most of the coaxial cables available, up to a diameter of 7 mm (275 in.) and up to 20 mm (787 in.) long, all in one machine operation. Of course, you can also strip very difficult single conductor cables.

The SCHLEUNIGER 207 can store all of the stripping values for a total of 99 different cables. The stripping values stored can be called up at random and remain stored for over 2 years without electricity. The stripping head of the SCHLEUNIGER 207 is designed with all of the technical refinements to guarantee the best possible operation. The free opening of the stripping head allows the conductors to be fed directly from above. The stripping diameters can be set to within .01mm (.001 in.) on the SCHLEUNIGER 207. Thus, optimal stripping quality is guaranteed and damage to the

conductors is eliminated. Corrections due to cable tolerances can be carried out with the thumb-wheel switches.

The stripping blades, made of carbide, make flawless stripping of all typical insulating materials with low wear on the blades. For extreme use, blades of carbide, titanium coated can be used. The SCHLEUNIGER 207 works purely electrically and uses only 80 VA.

The few parts subject to wear on the machine, especially the stripping blades and the cable centralizers, can be replaced quickly and easily. The SCHLEUNIGER 207 is light, weighing only 6 kg (13.2 lbs.) and can be easily transported.

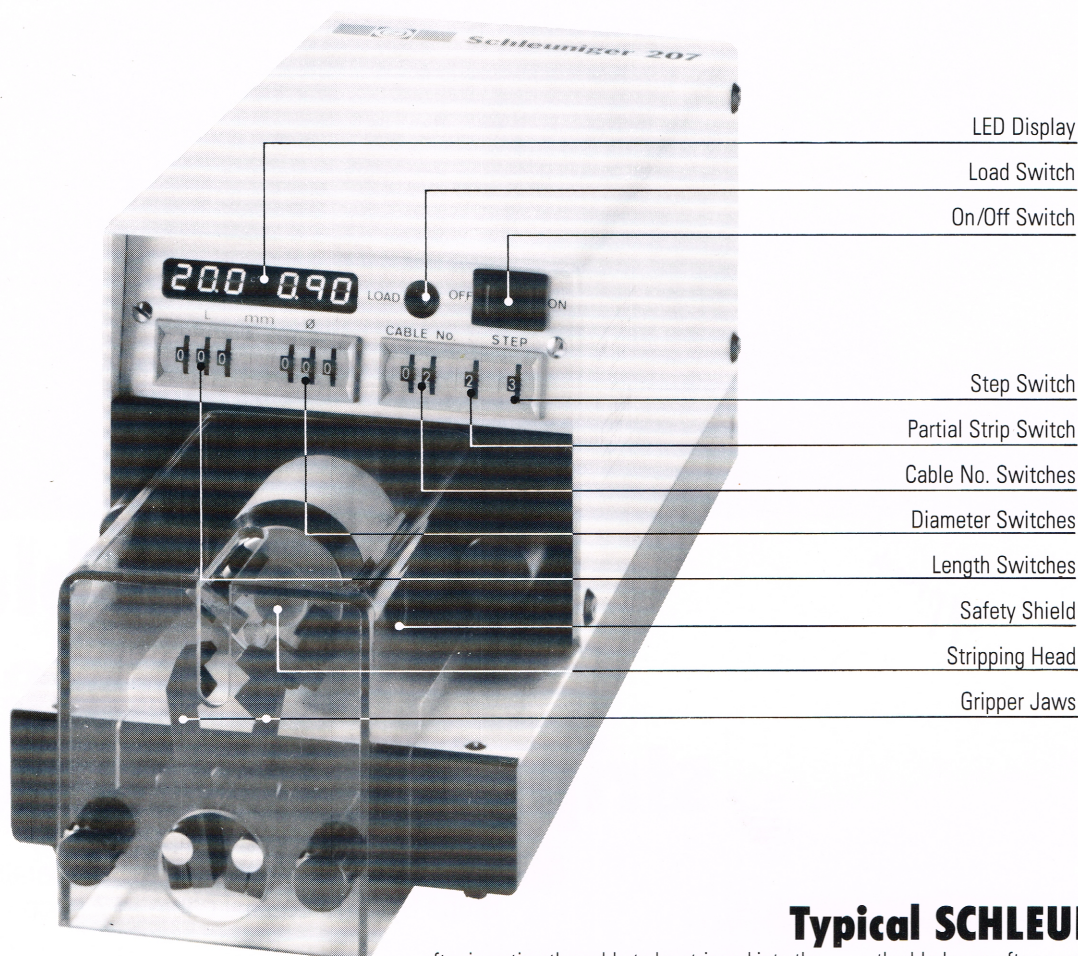
Maintenance and cleaning tasks are few. The SCHLEUNIGER 207 is easily accessible for maintenance work.

The SCHLEUNIGER 207 works extremely quietly and fulfills all the safety directives required.

The electronic controls guarantee flawless functioning of the machine for years without problems.

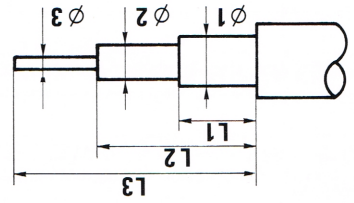
**Strips up to
3 stages
in one
machine
operation**

**99 different
sets of
cable data
in memory**

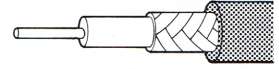


Typical SCHLEUNIGER 207

- after inserting the cable to be stripped into the machine, all the operations of the three stages of stripping are performed, which improves the production rate and saves valuable time
- accurate repeatability when used properly
- no mechanical adjustments necessary when changing the dimensions of the cables
- simple adjustment of the stripping values
- the stripping values stored can be called up at random and are retained even after replacing the blades or after a power failure
- the SCHLEUNIGER 207 is a light and portable piece of bench-top equipment, is very quiet, and does not use compressed air
- can be connected to any normal wall socket (100V, 110V, 220V, 240V / 50 to 60 HZ)
- the electronics section can be lifted off and accessibility to the electrical and mechanical parts is unobstructed, which considerably simplifies the maintenance.

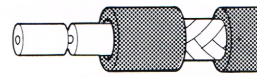


Programming scheme:
Step 1 – Step 2 – Step 3

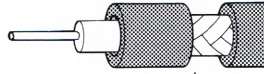


Cutting into and pulling off of outer jacket, screen and dielectric

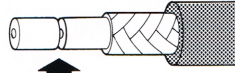
Standard strip



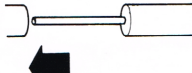
Cut into dielectric without pulling off.
Partial strip option on outer jacket only.



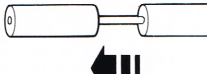
Full strip only on dielectric.
Partial strip option on outer jacket only.



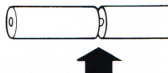
Cut into dielectric without pulling off.
Full strip only on outer jacket.



Full stripping of insulation.



Partially pull off insulation.



cut into insulation only.

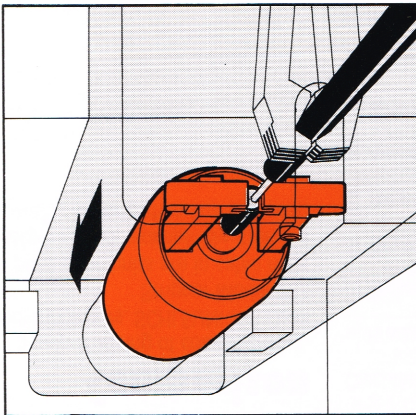
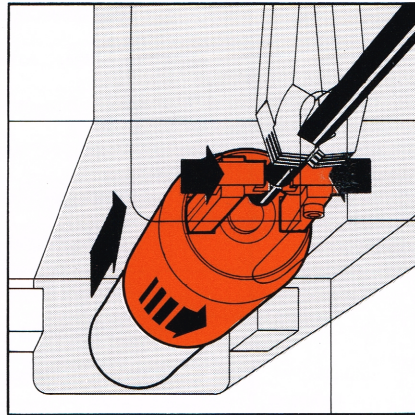
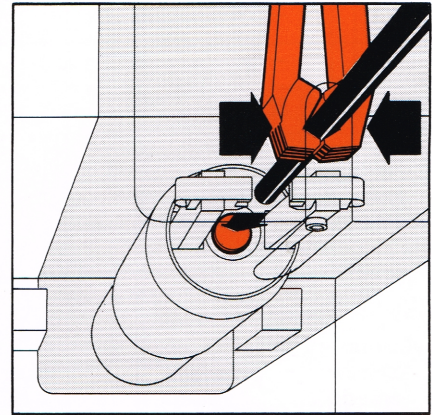
Partial stripping possibilities

Partial stripping functions are easily selected with the step switch without reprogramming the machine.

Partial stripping of single cables

The cable to be stripped is inserted manually as horizontally as possible between the gripper jaws and the stripping blades up to the sensor. As soon as the cable touches the sensor, the stripping cycle begins.

The two gripper jaws hold the cable exactly in the center of the stripping head. The sensor retracts.



The stripping head goes to the first programmed position for the stripping length $L1$. The stripping blades close while rotating to the programmed stripping diameter. At the same time, the cable centralizers close in order to centralize the cable.

The stripping head pulls the insulation off after cutting through it.

The 2nd and 3rd stages of stripping are carried out in accordance with the same work principle. After the stripping cycle is completed, the gripper jaws release the cable and the sensor returns to its original position.

Technical data

Stripping length	max. 20 mm (.787 in.)
Stripping diameter	max. 7 mm (.275 in.)
Production rate	approx. 300-350 pcs/hr. (3stages)
Machine cycle rate	1stage = 3 sec. (1), 2stages = 5.5 sec.(1+2), 3stages = 7 sec. (1+2+3)
Noise level	approx. 62 dB (A)
Safety standard	DIN 31001
Blades	Carbide or carbide, titanium coated
Possible adjustments	Length 0.1mm (0.01 in.) step Diameter 0.01mm (0.001 in.) step
Memory capacity	99 different cables with up to three stripping stages each
Memory retention after power failure	2 years
Supply voltage, selectable	100V, 110V, 220V, 240V/50 to 60 Hz
Power consumption	approx. 80 VA
Working temperature	from 10° C-40° C
Net weight	6 kg
Dimensions	L 370x W 135x H 143 mm (L 14.5"xW 5.5"xH 5.6")

Specifications subject to change without notice.

Calculation
for 3-step stripping

Calculation basis		By hand (with tool)		By machine (with 207)	
a) Production capacity pcs/hour	20	Example Switzerland	Customer	Example Switzerland	Customer
b) Personnel costs per hour	25.-	Example Switzerland	Customer	Example Switzerland	Customer
c) Working hours per year	1'800	Example Switzerland	Customer	Example Switzerland	Customer
d) Price tooling / 207 stripper	100.-	Example Switzerland	Customer	Example Switzerland	Customer
e) Amortization per hour $(\frac{d}{c})$	-.06	Example Switzerland	Customer	Example Switzerland	Customer
f) 10% Interest/hour $(\frac{e}{100} \times 10)$	-.06	Example Switzerland	Customer	Example Switzerland	Customer
g) Electricity costs /year (144 KW/h)	40.-	Example Switzerland	Customer	Example Switzerland	Customer
h) Max. Maintenance /year	500.-	Example Switzerland	Customer	Example Switzerland	Customer
i) Max. Tooling costs /year	1'000.-	Example Switzerland	Customer	Example Switzerland	Customer
Personnel costs per hour (b)	25.-	Example Switzerland	Customer	Example Switzerland	Customer
Amortization /hour $(\frac{d}{c})$	-.06	Example Switzerland	Customer	Example Switzerland	Customer
Interest /hour (f)	-.06	Example Switzerland	Customer	Example Switzerland	Customer
Electricity /hour $(\frac{g}{c})$	-.03	Example Switzerland	Customer	Example Switzerland	Customer
Maintenance /hour $(\frac{h}{c})$	-.27	Example Switzerland	Customer	Example Switzerland	Customer
Tooling costs / hour $(\frac{i}{c})$	-.55	Example Switzerland	Customer	Example Switzerland	Customer
k) Total costs /hour	25.06	Example Switzerland	Customer	Example Switzerland	Customer
l) Total costs /year (kxc)	45'108.-	Example Switzerland	Customer	Example Switzerland	Customer
m) Production /year (axc)	36'000	Example Switzerland	Customer	Example Switzerland	Customer
Costs per 3-step stripping $(\frac{l}{m})$	1.25	Example Switzerland	Customer	Example Switzerland	Customer

3-step stripping of coaxial cables.
Handstripping vs. SCHLEUNIGER Coax
Stripper Model 207
(All production units are in cable ends
3-step stripped, example Switzerland
in sfr.; amortization 207 in 1 year)

Comparison



TECHNISCHE INFORMATION TECHNICAL INFORMATION

RIEMENWECHSEL 207

- 1 Feder aushängen.
- 2 Beide Schrauben des Mitnehmers lösen und Mitnehmer abziehen.
- 3 Auslöserstange aus dem Abisolierkopf ziehen.
- 4 Zangenhalterschrauben lösen und Spannzangen abziehen. Spannzangen nicht vertauschen!
- 5 Kleine Sicherheitsmutter abschrauben.
- 6 Grosse Mutter der Abisolierwelle abschrauben.

ACHTUNG: Bei aufgeschlagenem «L» auf dem Motorträger hat die Mutter ein Linksgewinde.

- 7 I-6kt-Stiftschraube der Riemenscheibe vier Umdrehungen lösen.
- 8 Abisolierwelle aus der Maschine ziehen.
- 9 Neuen Riemen einlegen.

Wiedermontage in umgekehrter Reihenfolge.

VORSICHT: Beim Anschrauben der Riemenscheibe auf die Aufbohrung der Welle achten!

Beim Festziehen der kleinen Sicherheitsmutter auf ein kleines Spiel zwischen der Mutter und der Gegenscheibe des Lagers achten!

Einstellungen des Auslösers und der Spannzangen nach den Beschreibungen der Bedienungsanleitung ausführen!

REMOVAL BELT 207

- 1 Un-hook sensor solenoid spring.
- 2 Remove sensor disc.
- 3 Remove sensor pin.
- 4 Remove grippers (do not mix up the left and right grippers).
- 5 Remove small hex nut.
- 6 Remove large hex nut.

CAUTION: If vertical post has an «L» stamped on it, the hex nut has a left hand thread.

- 8 Slide main spindle out of machine.
- 9 Install new belt.

Reverse the procedure to install the belt.

BE CAREFUL to install the pulley setscrew into the hole in the spindle.

Also, **BE CAREFUL** when installing the small hex nut. There must be a small amount of play between the nut and the washer.

The grippers and the sensor must now be calibrated using the optional calibration set as described in the manual.

- 7 Loosen pulley setscrew 4 turns.

