

Cutting machine

Type C058

Translation of the original operating manual

Streckfuss USA

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EC Declaration of Conformity **In according to EC Machinery Directive 2006/42/EC** **Appendix II A**

We herewith declare that the machine described hereinafter satisfies the essential safety and health requirements set out in the EC Machinery Directive with regard to its design and construction as well as the type marketed by us.

In case of an alteration of the machine without our agreement this declaration shall become void.

We furthermore point out that for the installation of spare parts only original parts of the company Streckfuss USA may be used.

Description of the machine:	Cutting machine for radial components
Machine type:	C058
Machine number:	22.09.209
Applicable directives:	EC Machinery Directive (2006/42/EG appendix II A) EC Electromagnetic Compatibility Directive (2014/30/EG)
Applied harmonized standards, particularly:	EN ISO 12100:2010 DIN EN 13857
Attachment of the CE label:	CE
Place/Date/Signature:	Karlsruhe, den 08.10.2021

Managing director

General

1. Notes on Industrial Safety

The following notes on industrial safety have to be specially adhered to:

- The cutting machine C058 has been constructed according to the current state of the art and conforms to the ESD regulations. Nevertheless, perils may arise from this device if it is used by untrained personnel or for other than the intended purposes.
- **Statement on the Residual Risk**
 1. Danger of electric shock if the switchbox is opened while voltage-carrying. Work in and on the electrical equipment may principally only be carried out by qualified electricians.
 2. Danger of contusion and shearing during set up operation.

The danger areas are marked with signs.



- Applicable accident prevention regulations have to be adhered to by the user, particularly the
 - DGUV-Regulation 1
- The device may only be operated by trained personnel.
- Any mode of operation which can impair the safety of the device has to be refrained from.
- The user undertakes to operate the device only in perfect condition.
- Unauthorised alterations or variations which impair safety have to be refrained from.
- Safety devices may principally not be dismantled or put out of operation. If it is indispensable to dismantle safety devices for the purpose of tool changes or for maintenance and repair work, the safety device has to be re-installed immediately afterwards.

2. Table of contents

	Page
General	4
1. Notes on Industrial Safety	4
2. Table of contents	5
3. General description	6
4. Technical Data	7
Commissioning	8
1. Installation and connecting	8
2. Working with the machine	8
Retool	9
1. General comments on the adjustment of the machine	9
2. Change cutting plate	9
2. Regrinding of cutting plate and cutting blade	10
Faults and their Rectification	12
Maintenance	13
1. Maintenance Plan	13
Spare Parts Catalogue	14
1. Parts list C058	14
2. Exploded view C058	15
3. Pneumatic diagram with component descriptions	16

3. General description

The cutting machine C058 is used for the dimensionally accurate cutting of component connection wires. It makes a recut after soldering a thing of the past.

The cutting plate contains hole combinations which are suitable for the cutting of connector strips, transistors, integrated circuits, block capacitors, resistors and other components. The components are placed by hand into the matching grid field and cut exactly to length by pressing the pneumatic foot valve.

The wire length is usually 3 mm from the lower edge of the component. If a different wire length should be required, this can be achieved by using a thinner cover plate (shorter wire length) or by inserting a spacer plate (longer connection wires).

The angled design of the knife blade keeps cutting pressure on the component to a minimum, so that even terminal strips with thicker terminals can still be cut easily.

If the machine is ordered without a cutting plate, it will be delivered with a protective plate for safety reasons

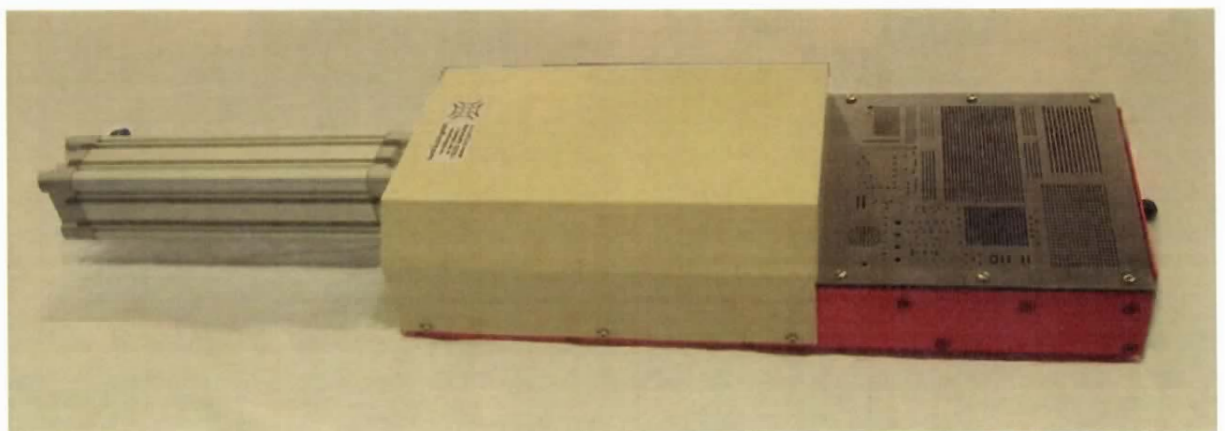


Figure 1
Cutting machine C058

4. Technical Data

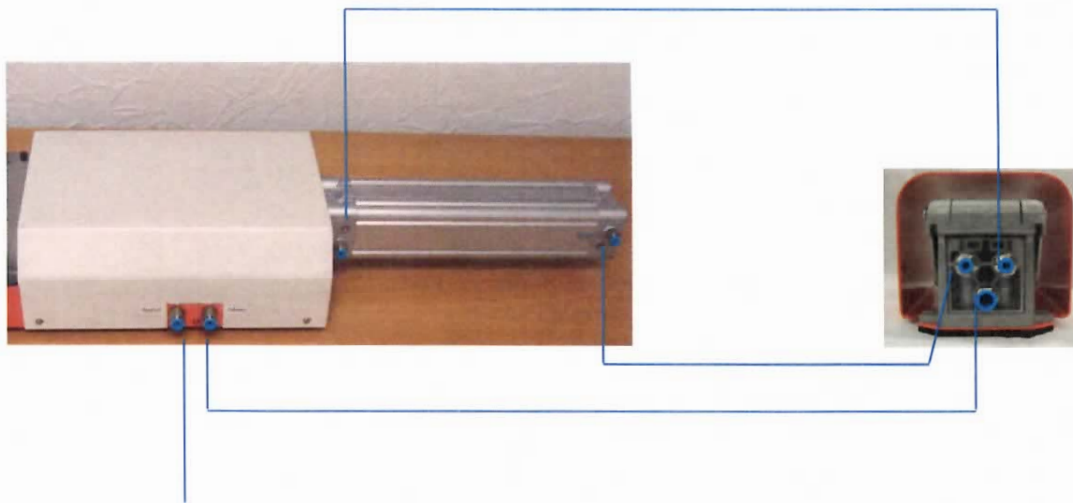
Dimensions	Length: Width: Height:	780 mm 230 mm 110 mm
Weight		approx. 24 kg
Compressed air		6 bar
Hole pattern		13 x 21 drillings for plug-rails, and as well round-pitch for power amplifiers and transistor
Wire Ø		dimensions upon request)
Cutting length		standard 3 mm (other dimensions up on request)
Operating		via pneumatic foot switch
Special hole pattern		on request

Commissioning

1. Installation and connecting

The device is delivered assembled and ready for use. The foot valve and connection hose are included separately and have to be connected by the customer on site in accordance with the enclosed pneumatic diagram. We recommend integrating a maintenance unit with pressure regulator in the supply line. Pressure to be set 6 bar.

Set the device on a suitable work surface and place the foot valve on the floor in a position that is comfortable for the operator to use.



Supply air 6bar

Figure 2 - Connection plan



2. Working with the machine

Make sure that the component is always inserted completely into the cutting plate i.e. up to the lower edge of the component. This is the only way to guarantee that the parts are cut to the same length.

Push the waste drawer in completely and then trigger the cutting process by pressing the foot valve. If the waste drawer is not pushed into the device properly, the device will not work for safety reasons.

The machine must not be used without a cutting plate!



Retool

1. General comments on the adjustment of the machine

- Secure the automat, in case of modification or service-work on it, against a non-purpose
- **Switch off compressed air**
- Please make sure that all screws will be tighten again, after having finished the settings although this is not explicitly mentioned in the following text.
- The machine is equipped to the length by the factory. To prevent damage, setting changes must be carried out carefully by means of existing instruction by qualified personnel.



2. Change cutting plate

To cut other components the cutting plate can be changed.

First disconnect the machine from compressed air.

Remove the 6 screws from the cutting plate and remove the cutting plate.
(Fig.3 pos. 1)

Put the other cutting plate back on and screw it on with the 6 screws.

If the cutting plate is not screwed back on, the machine must be secured against use! The machine must only be used with the cutting plate screwed on, otherwise accidents may occur.

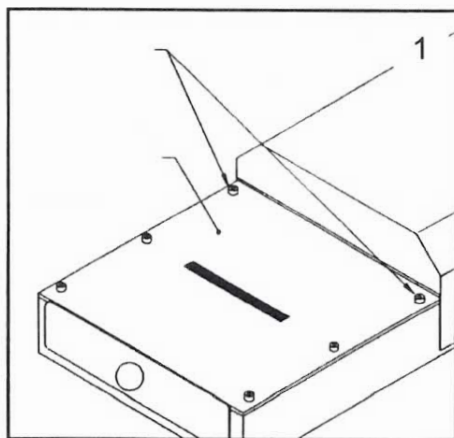


Figure 3 - Change cutting plate

2. Regrinding of cutting plate and cutting blade

Cutting plate and blades are made of high-quality hardened tool steel. These parts do not usually require resharpener. If this should become necessary, however, they are easy to remove.

Please note, however, that in this case the length of the connection wires will be reduced by the same amount as the cutting plate is resharpener. Resharpener the cutting blade does not affect the length of the wires.

To avoid faults which could lead to device damage, we recommend allowing the manufacturer to do any resharpener that is necessary.

Use a brush to clean wire waste or other residue off the machine.

First disconnect the machine from compressed air.

Remove the 6 screws and remove the cutting plate (fig. 4 pos. 1).

Remove the 6 screws from the protecting cover and remove the protecting cover (fig.4 pos.2).

Check the underside of the cutting plate and the cutting edges of the blade for wear.

Lightly grease the guide for the cutting blade (drawing C058, pos. 1) on the machine housing (drawing C058, pos. 19) before reassemble.

Lightly grease both faces of the cutting plate and the surface of the cutting blade

Replace the cutting plate and the protecting cover.

If the cutting plate or the protective cover is not screwed on again, the machine must be secured against use! The machine must only be used with the cutting plate and protective cover screwed on, otherwise accidents may occur.



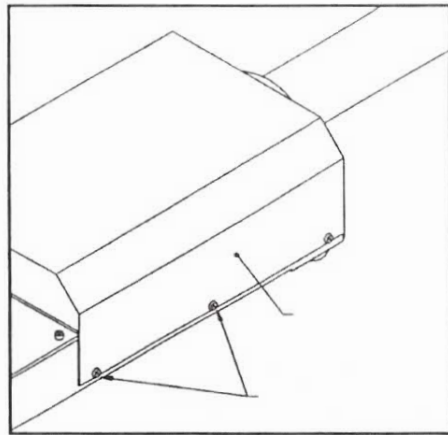
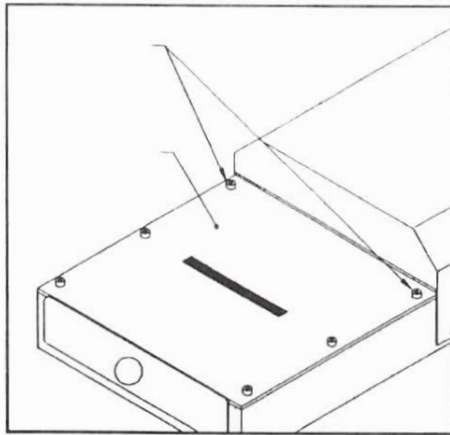


Abbildung 4 - Cutting plate / cutting knife regrind

Faults and their Rectification

Caution: All maintenance and repair work may only be performed by qualified and trained personnel!



If used properly, the machine will function virtually without trouble. If, contrary to expectation, faults should occur, please inform your supplier first.

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The type of fault discussed consequently can be taken down in the following table with the description of causes and measures for the correction of the faults.

Type of fault	Cause	Measures

Maintenance

1. Maintenance Plan

	Interval				Task
	d	w	m	y	
Machine, general	X				By using a brush clean the device of waste leads and other garbage. Empty the waste container
Tools		X			Lightly grease the upper side of the cutting plate. The holes are signed with OIL.

d = daily
w = weekly
m = monthly
y = annualy

Caution: All maintenance and repair work may only be performed by trained specialists!

Caution: No grease may be used for lubricating moving and sliding parts. Use thin lubricants only.



Spare Parts Catalogue

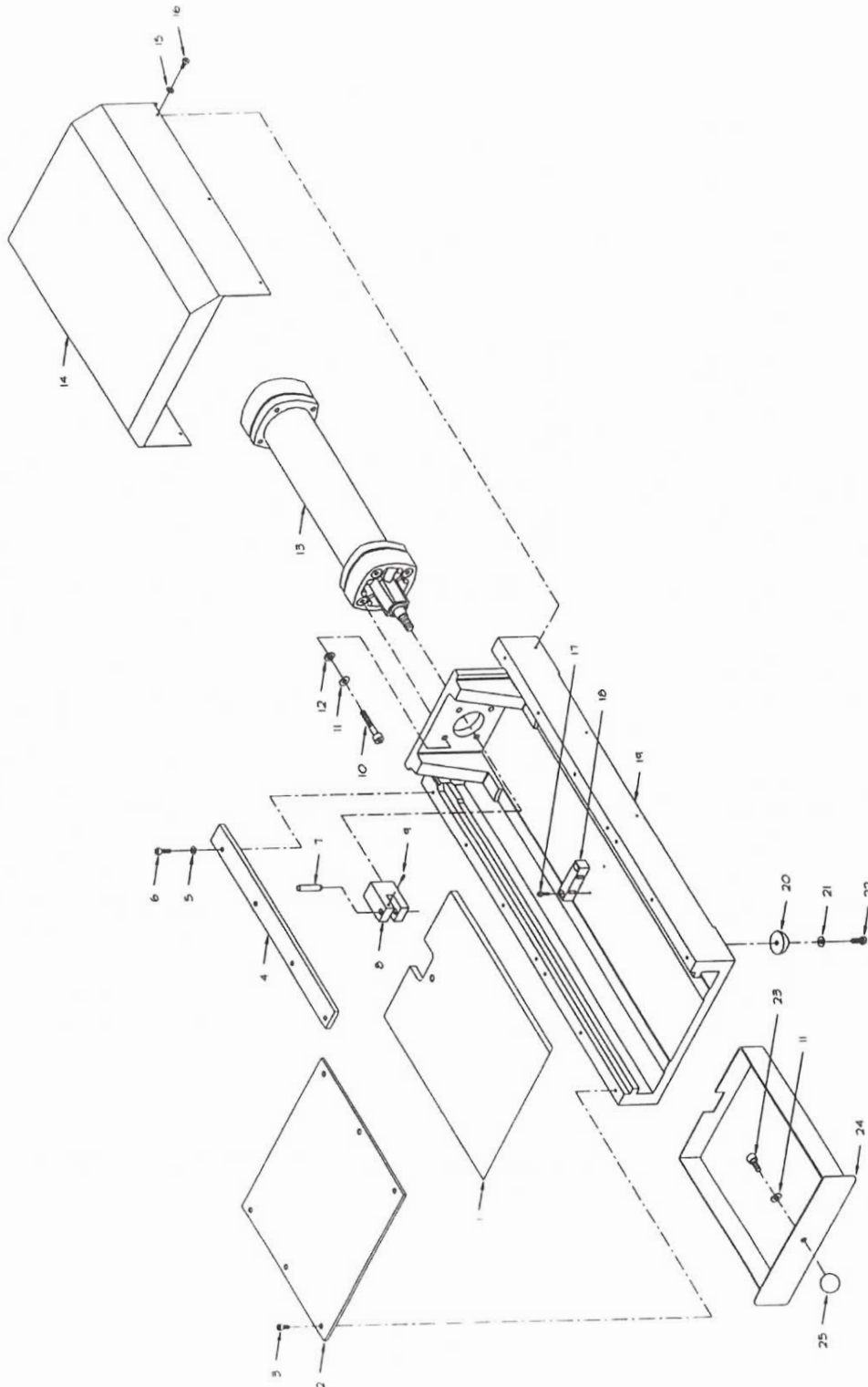
Cutting machine Type C058

1. Parts list C058

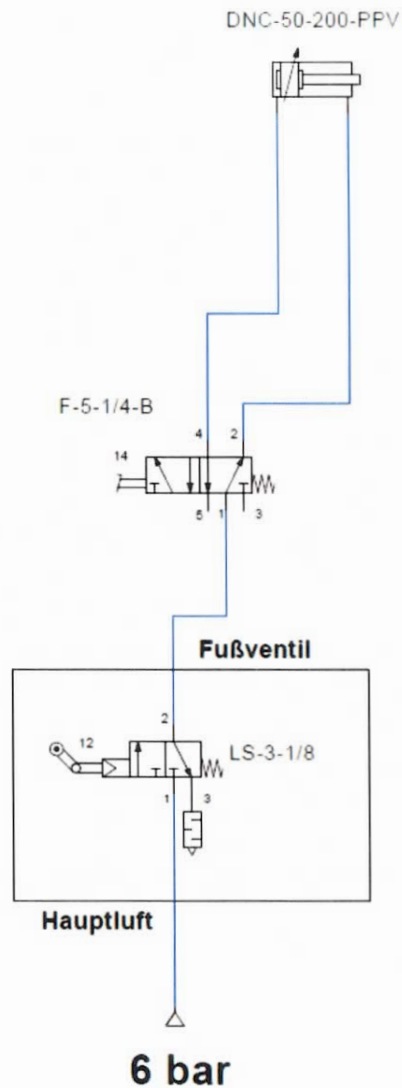
Pos.	Quant.	Description	Part- Nr.	Remark
1	1	Cutting blade	T. 020	*
2	1	Cutting plate	T. 013	*
3	6	Hex. socket screws M4x8		
4	2	Guide strips	T. 007	
5	8	Washers M4		
6	8	Hex. socket screws M4x12		
7	1	Pin 6x30		
8	1	Fork head	T. 010	
9	1	Hex. socket pin M3x8		
10	4	Hex. socket screws M6x35		
11	5	Circlips M6		
12	4	Washers M6		
13	1	Compressed air cylinder with screw connection	DNC-50-200-PPV	*
14	1	Protective hood	T. 016	
15	6	Washers M3		
16	6	Pan-head screws M3x6		
17	2	Hex. socket screws M3x12		
18	1	Magnet for waste container		
19	1	Base body	T. 001-006	
20	4	Rubber feet with assembly parts		*
21	4	Washers M5		
22	4	Pan-head screws M5x12		
23	1	Hex. socket screws M6x10		
24	1	Waste container with ball head	T. 015	
25	1	Plastic button		
26	1	Foot switch, complete	F 5 1/4 B	

Spare parts are marked *

2. Exploded view C058



3. Pneumatic diagram with component descriptions



						Anlage	Blatt Nr. 1		Burst & Zick	
						Ort	von 1 Blatt			
	Aenderung	Datum	Name	Datum	Name	Benennung C058			Zeichnungs-Nr.	
a				gez	15 10 10					Heißler
b										
c				gepr						
d										