

Michann 110 – Pipe cutter

Original user and maintenance instructions



Producer:

Jul ApS

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Facts about this document

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Prepared by: Jul ApS

2. Description

2.1 Product name:

MichannTools – Pipe cutter 110

2.2 Preface

Congratulations on your new Michann-Tools – Pipe cutter 110. You have chosen a strong hand tool from Michann-Tools, which through decades of diligent product development and many years of experience has become one of the most reliable partners for professional users.

This user manual has been prepared for the use of Michann-Tools – Pipe cutter 110. It must be read carefully before using the machine.

The user manual contains important information about safety and the use of the machine in general.

It must be kept accessible, together with the machine.

2.3 Technical data

Pipe Cutter	Unit	Pipe Cutter 110
Voltage	V	18
RPM / min no load	rpm	100
Pipe diameter capacity	etc.	110
Weight	Kg	8.5

Battery		
Voltage	V	18
Capacity	Ah	4.0
Weight	Gr.	570

Charger		
Voltage	V	100-240
Output voltage	V	16.8 – 21
Charging current amperage	A	2
Charging time	Hours	5
Weight	Gr	350

3. Introduction:

3.1 Pictograms

The following pictograms are used throughout this user manual:

								
Pay attention	Rotating parts	Read the instruction	Hearing protection	Security glasses	Gloves	Personal safety	Electric shock	Good working environment

3.2 General safety instructions

- Read the instructions before using the machine.
Keep the operating instructions easily accessible to everyone who will use the machine. In addition to the safety instructions in this user manual, the regulations of the Danish Working Environment Authority must always be followed.



- When using power tools, the following general and special safety instructions should always be followed to avoid personal injury, electric shock and fire:



1. The machine has rotating parts.

It is essential that the operator follows instructions for correct operation to avoid personal injury due to contact with rotating parts.

Do not wear loose clothing or jewelry.

Use a hairnet if you have long hair.



- ##### 2. Only use accessories and parts recommended in the user manual.
- There is a risk of personal injury if accessories and parts other than those recommended in the user manual are used.

3. General safety.

Power tools are for adults only, keep children away.

Keep the machine out of the reach of children.

Operators must be instructed in the use of the machine, battery and charger.

Unauthorized persons must be kept away from the work area.

Remove the battery when the machine is not in use.



4. Use hearing protection.

The sound level may exceed 85 dB(A).

Michann-Tools always recommends using hearing protection.



5. Wear safety glasses.

Swirling dust or plastic shavings may occur.

Michann-Tools recommends always using safety glasses.



6. Working environment.

Keep the work area clear.

Do not use power tools in the rain or in wet or damp places.

Ensure good lighting over the work area.

Ensure good working posture.

Power tools must not be used near easily flammable sources.



7. Operator safety.

Make sure the PVC pipe is securely clamped in the machine.

Always be aware of what you are doing.

Do not use the machine when you are tired or under the influence.

Do not use the machine if it has damaged parts, or if you suspect damaged parts that could cause a short circuit.

Use your common sense.



8. Maintenance.

It is crucial for the performance and lifespan of the machine that it is maintained correctly.

Have your machine serviced and repaired at an authorized service center.



9. Battery and charger.

Avoid short-circuiting a disconnected battery or charger with metal objects.

Make sure the charger is properly connected and working. Do not charge damaged batteries.



3.3 Special safety instructions

1. Stability

If there is even the slightest risk that the PVC pipe could break, vibrate or cause the machine to tip over, the pipe must be supported to the extent necessary.

2. Cutting and lubricating agents

PVC pipes may be treated with cutting or sliding agents, such as KEMA GM-12, which may contain hazardous substances.

Make sure you have safety data sheets for all chemical substances used.

Make sure to follow personal safety precautions.

3.4 Intended use

- Michann-Tools – Pipe cutter 110 is designed and manufactured to shorten PVC and plastic pipes, and deburr shortened pipe ends, in the same operation.
- The machine may only be used for shortening and deburring PVC and plastic pipes in the same operation.
- Michann-Tools – Pipe cutter 110, may only be used for plastic materials, and not for other materials.
- Michann-Tools – Pipe cutter 110 must be used as directed in this user manual.
- Michann-Tools – Pipe cutter 110 is designed and manufactured for use with a battery-powered electric motor.
It must not be attempted to be operated by other means.

3.4 Rights

- This user manual is published by Michann-Tools, which owns all rights.
- The user manual, or parts thereof, may not be reproduced, copied, or distributed without the written consent of Michann-Tools.
- Michann-Tools reserves the right to continuously update the user manual, as well as parts thereof, to reflect the current version of the product.
- Michann-Tools is not obligated to update already distributed user manuals. Significant changes to the user manual will be available on Michann-Tools' website; www.michann-tools.com

4. Declaration of Conformity

Original Declaration of Conformity

European Union

In accordance with DIRECTIVE 2006/42/EC – Machinery Directive ANNEX II A

Manufacturer:

Company name: Jul ApS
Address: Gesingevej 5 , Tåsinge
5700 Svendborg

- hereby declares that:

Description	Michann-Tools – Pipe cutter 110
Type number	Michann 110

- is designed and manufactured in accordance with:

- DIRECTIVE 2006/42/EC *Machinery Directive (MD)*
- DIRECTIVE 89/392/EEC *MD Member States' legislation on machinery*
- DIRECTIVE 89/336/EEC *MD The laws of the Member States relating to
electromagnetic compatibility*
- DIRECTIVE 73/23/EEC *Low Voltage Directive*
- EN 60204- 1 *Safety of machinery - Electrical equipment of machines - Part 1: General
requirements*

Jul ApS, Gesingevej 5, 5700 Svendborg, or the company's representative is authorized to provide the technical dossier.

5. Load

5.1 Load example

Michann-Tools – Pipe cutter 110 is exposed to the following loads during normal operation. The load consists of PCV pipes up to Ø110 mm. See fig. 5.1.1

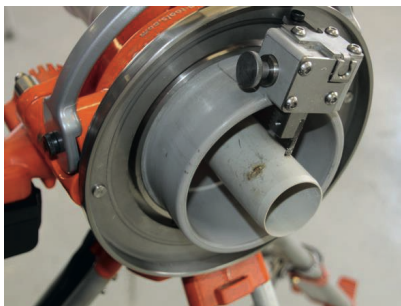
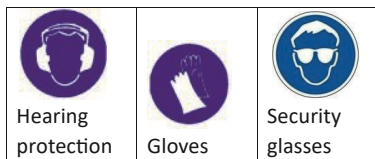


Fig. 5.1.1 Pipe cutter with Ø50 pipe

6. Security

6.1 Safety for users.

- It is essential for your safety that you operate the machine as instructed.
- The machine must be securely fastened.
 - Michann-Tools recommends mounting the machine on the Michann 110 tripod.
- The PVC pipe must be securely attached to the machine.
- Always keep both hands on the handles, respectively the starter switch and the tensioning handle.
 - It is dangerous to put your hands near the rotating trimmer.
- You must wear hearing protection when you are near the machine when it is running.
 - In addition, Michann-Tools recommends using gloves and safety glasses.



6.2 Machine safety

- The machine is designed and manufactured in accordance with the requirements of the 2006/42/EC Machinery Directive.
- Only approved components have been used in the manufacture of the machine.
- The machine is designed to be securely fastened.
 - Michann-Tools recommends mounting the machine on the Michann 110 tripod.

- During transport, the machine is secured in the Michann-Tools transport box.

7. User and maintenance instructions

7.1 User instruction

Michann The pipe cutter is delivered in a sturdy transport case. See fig. 7.1.1



Fig. 7.1.1

7.1.1 Before use Before

first use:

Check that the Pipe cutter, charger and batteries are in the transport box and intact. See fig. 7.1.1.1
Make sure the batteries are charged by inserting the battery into the charger in the direction of the arrow. See fig. 7.1.1.2



Fig. 7.1.1.1 Fig. 7.1.1.2

7.1.2 Assembly and setup

Set up the stand at the desired height. See fig. 7.1.1.3

Insert a battery into the machine. See Fig. 7.1.1.4

Attach the machine to the stand and tighten it. See fig. 7.1.1.5 and 7.1.1.6



Fig. 7.1.1.3 Fig. 7.1.1.4



Fig. 7.1.1.5 Fig. 7.1.1.6

7.1.3 Commissioning and use

The machine can be set to handle PVC pipes of all sizes from Ø50mm to Ø110mm. For pipe diameters below Ø110mm, insert a suitable adapter. See Fig. 7.1.3.1 and 7.1.3.2

The cutting tool is adjusted to fit the desired pipe diameter.

The small black handle is unscrewed / pulled out, and the cutting tool can now be freely adjusted to the desired pipe diameter. See fig. 7.1.3.3

Adjust the cutting tool to a suitable distance from the pipe, see Fig. 7.1.3.4

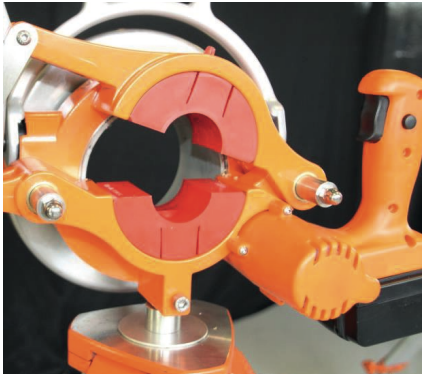


Fig. 7.1.3.1 Fig. 7.1.3.2

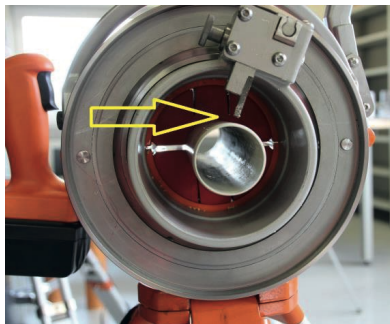
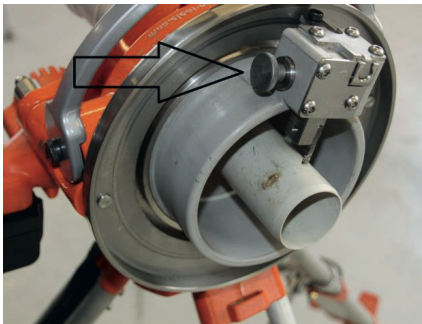


Fig. 7.1.3.3 Fig. 7.1.3.4

7.1.4 Start-stop

ATTENTION: BE CAREFUL WITH ROTATING TOOLS.

The operator's hands must be positioned as shown below!

It is dangerous to touch the rotating tool during operation! See Fig. 7.1.4.1

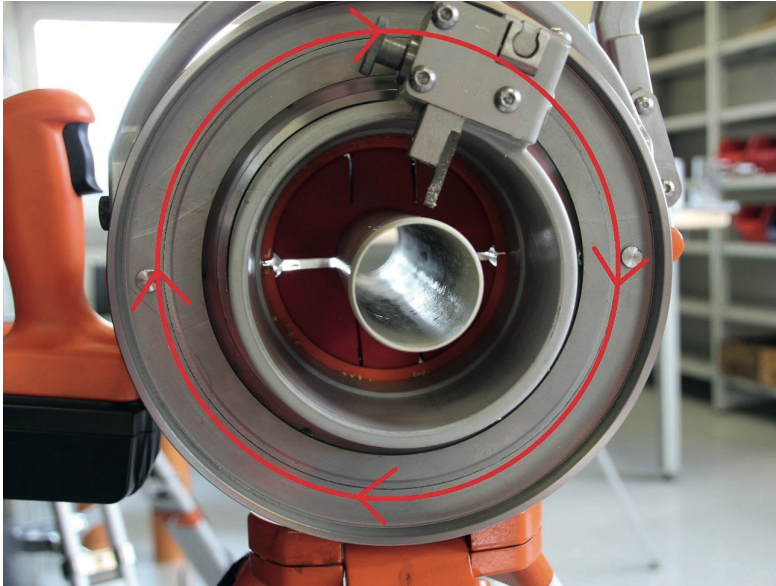


Fig. 7.1.4.1

Secure the pipe in the desired length position by pushing the pipe through the machine's center hole. When the pipe is in position, close the machine's center hole around the pipe by pushing the closing handle in the direction of the arrow. See fig. 7.1.4.2

Place your left hand on the handle, on top of the machine, and your right hand on the start switch on the machine. See fig. 7.1.4.3.



Fig. 7.1.4.2 Fig. 7.1.4.3

ATTENTION!

Make sure there are no other people within the machine's working area!

Press the safety button in, then press the start button. See fig. 7.1.4.4 The tool will now rotate clockwise. See fig. 7.1.4.5

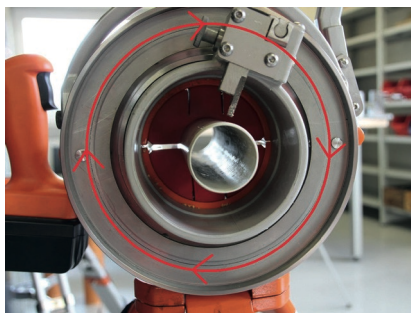
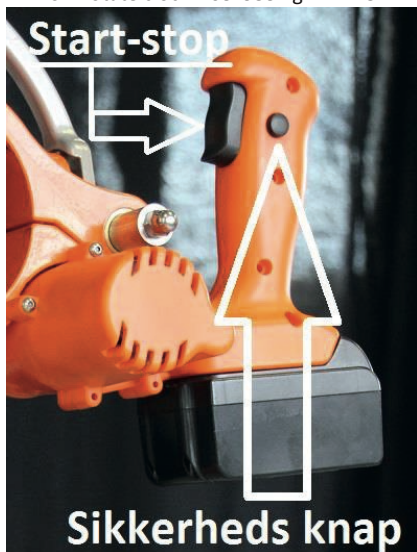


Fig. 7.1.4.4 Fig. 7.1.4.5

Press the handle, on top of the machine, in the direction of the arrow until the pipe is cut and the pipe end is deburred. See fig. 7.1.4.6 and 7.1.4.7



Fig. 7.1.4.6 Fig. 7.1.4.7

Release the start switch and the tool will stop rotating.

ATTENTION!

Wait until the rotation has completely stopped!

The center hole around the tube can now be loosened by pushing the handle against the arrow direction. See fig. 7.1.4.2. The tube can be removed.

The machine is now ready for a new operation.

Go to point 7.1.3

7.1.4 After use

After use, the machine must be removed from the stand.

Make sure to loosen the screw under the machine. See fig. 7.1.4.1

Remove the battery from the machine, **against** the arrow direction. See fig. 7.1.4.2

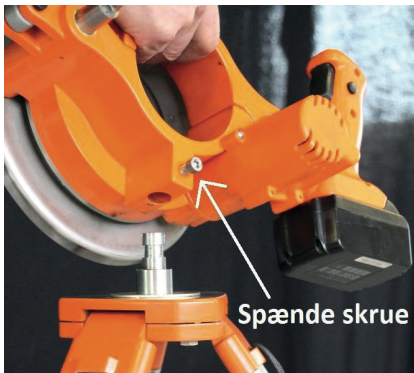


Fig. 7.1.4.1 Fig. 7.1.4.2

Clean the machine of dust and plastic shavings .

Place the machine, batteries and charger in the transport case. See fig. 7.1.4.3



7.2 Maintenance instructions

The machine must be regularly inspected for visible damage.

If visible damage is discovered and the operator considers that it affects the operation of the machine, the machine should be assessed by a qualified person.

All moving parts should be lubricated regularly and as needed. Use acid-free oil.

7.2.1 Adjusting the closing handle

The clamping force of the closing handle can be adjusted if over time a little play occurs in the handle. Use an Umbraco key to adjust with, at the top of the closing handle. See fig. 7.2.2.1



Fig. 7.2.1.1

8. Disposal

8.1 Pipe cutting machine

Machine, tripod and transport box are disposed of as metal waste at an approved collection station.

8.2 Battery and charger

Batteries and chargers are disposed of as electronic waste at an approved collection point.

9. Bill of materials

9.1 Parts list

The machine is delivered as an assembled machine, ready to use, including charger and 2 batteries.

Item number	Description	Number
110-01-00	Pipe cutter 110	1
DWT-B183-40L	Battery	2
DEW-001	Charger	2
110-01-99	Transport box	1

10. Contact

If you need service, or have any questions, you can find answers and contact information, as well as directions to the nearest dealer at <https://michann-tools.com/>

