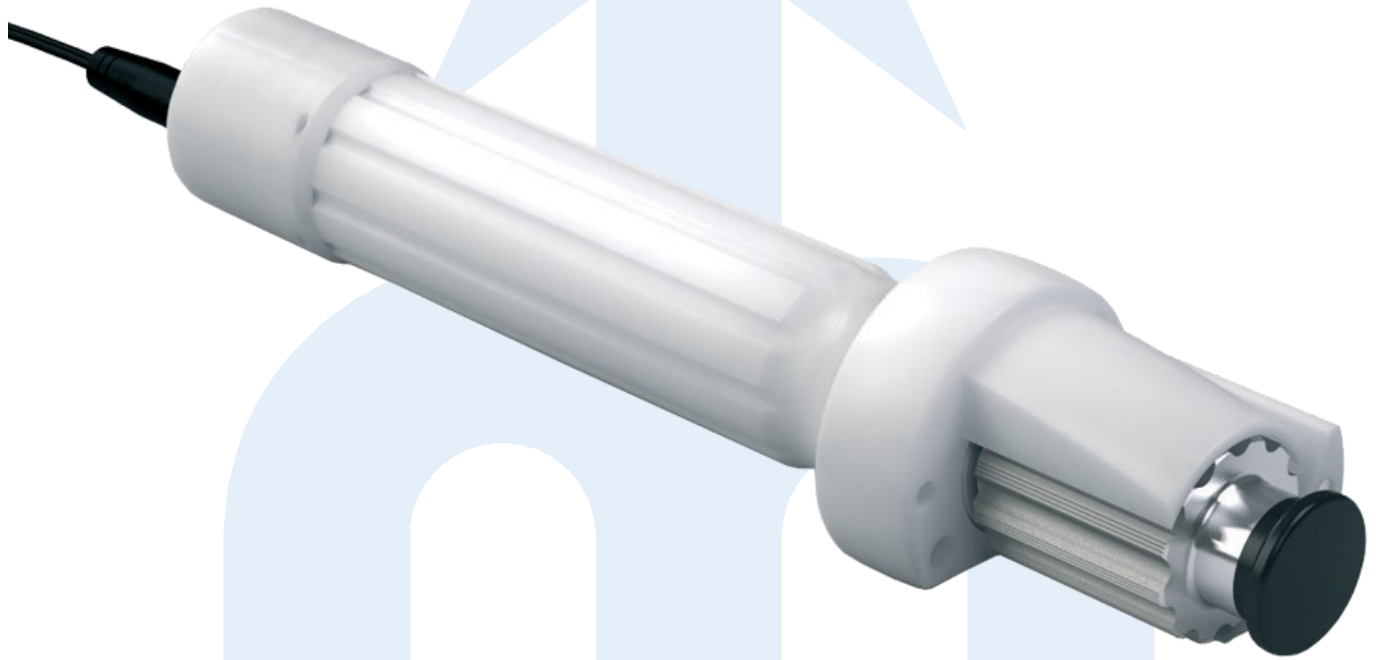




**MEFE**  
MITCHELL ENGINEERING  
FOOD EQUIPMENT PTY LTD

# Operating Manual



## Pin Bone Remover Mini

CAT 200PM

Revision 2

### General Notice:

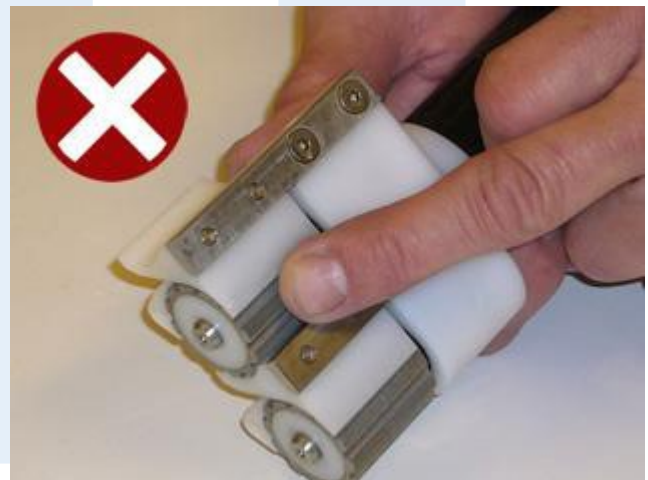
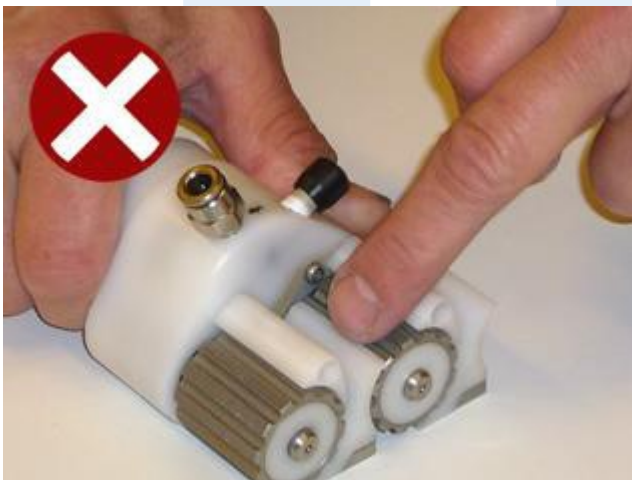
Thank you for choosing this hand held pin bone remover. We hope you will find this tool gives you the speed, yield and efficient that you expect from a professional company.

When you rinse the equipment often and keep it clear from grease you ensure the equipment's possibility to grab the bones. The way you hold and move the machine affects the result of how the bones are pulled out.

This user manual gives you advise on how to avoid broken or left bones and gapping.

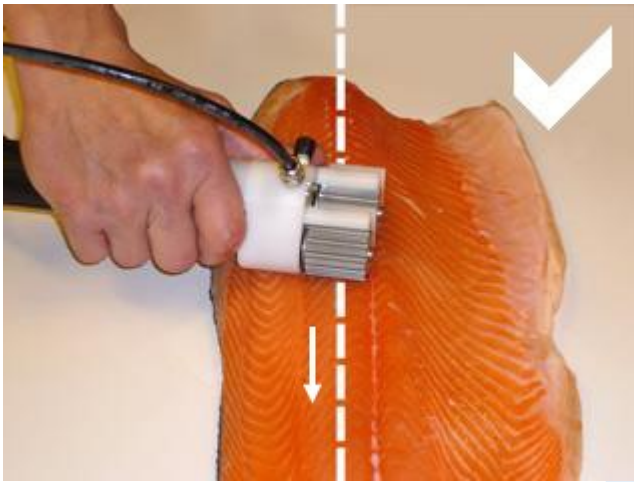
### Specifications

CAT 200PM	
Weight	300g
Effect	55W
Voltage	110-240V AC
Frequency	50-60Hz
Motor brushless	12V DC
Speed	150 rpm
Cable length (handle to outlet)	1.5m with connector



### Watch Out!

Never put your fingers close to the drums while working.



### Placing the fillet right

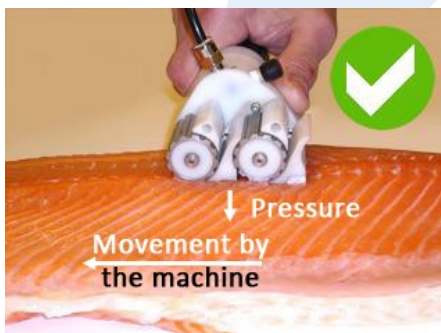
- In order to work most efficient, place the fillet with its head closest to you
- You can then push or hold back the equipment with little risk of imbalance

### Raising the Bones

- Use the bone guide holder if you want to put up the end of the bones
- Slant the machine so that only the bone guide holder touches the fish
- Press down and move your hand towards the tail
- This makes it easier to get hold of the bones with little pressure on the machine



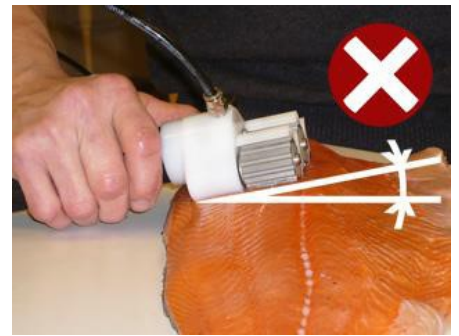
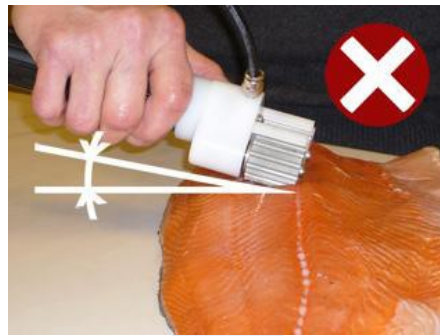
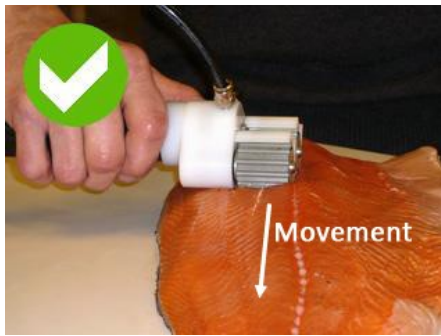
### Placing the machine correct (1)



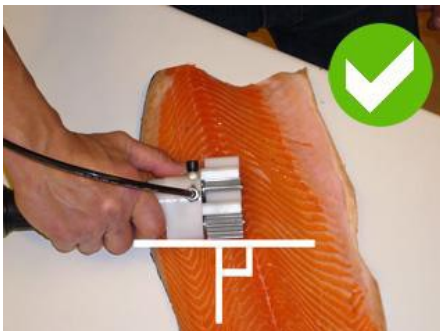
- Make sure the whole area of the machine touches the fish
- Press downwards
- Let the machine move by itself over the fillet. Do not push it forward!
- An uneven pressure can cause an incorrect angle. Missed bones or gapping may occur



## Placing the machine correct (2)



- Make sure the whole area of the machine touches the fish and press while moving the machine over the fish
- Twisting the machine forward or backward may cause gapping or missed bones

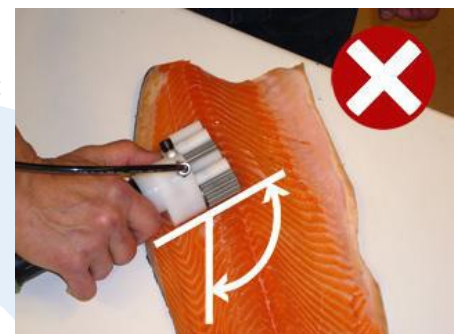


## Placing the machine correct (3)

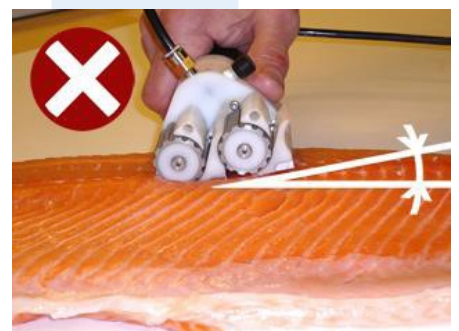
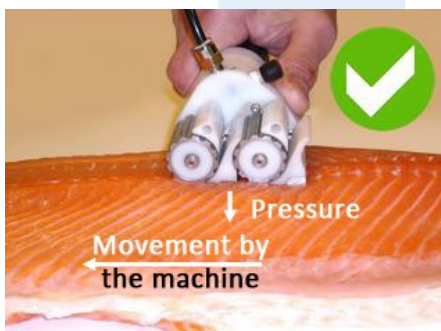
- Always strive to get the drum 90° towards the bone so you can pull it out in the same direction as its fitted in the fish. An incorrect angle cause gapping



- Turn the machine clockwise on a left fillet and anti-clockwise on a right fillet



## Speed and Movement



- Start using a low speed, and pin bone the first fillet. Increase speed as long as the result is satisfying
- Do not push the machine forward—let the drums move over the fillet in the its own speed. If you push you might get broken bones or gapping
- When bones are hard to get out, you might have to “hold the machine back” until you feel the bone is grabbed and fed into the machine

### Pull out the neckbones



- Lift up the fillet and pull the neckbones out
- Strive to pull the bones out in its own direction in order to avoid broken bones
- You can press deep in the fish
- Mind your fingers!



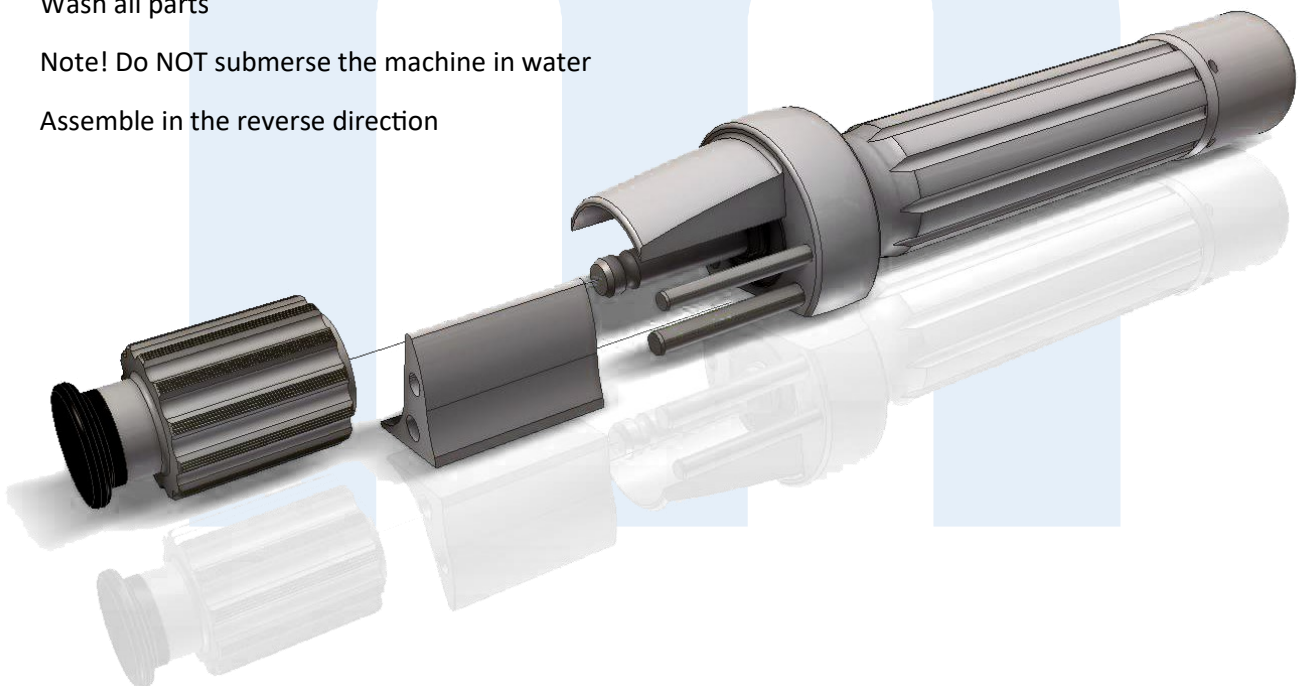
### Rinsing the equipment regularly



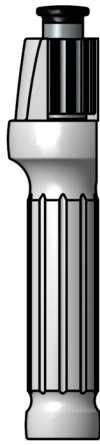
- When the machine is full of bones or grease turn the machine away from the fish and press the water device
- If bones are stuck; try flush more often or flush less often: bones from underneath may press up stuck bones

### Cleaning the equipment after use

- Use your fingers or a tool to remove the drum and bone guide
- Wash all parts
- Note! Do NOT submerge the machine in water
- Assemble in the reverse direction

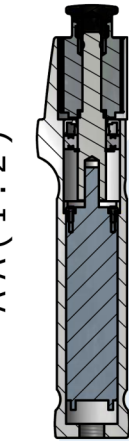


REVISION HISTORY			
ZONE	REV	DESCRIPTION	DATE
	B	Added part	2014-06-25
	C	Changed handle	2016-12-14



DC-max 22S GB SL12V/GPX22 A 35:1

A-A ( 1 : 2 )



PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1		Maxon B7B9F1AA7B82
2	1	202698	Motor plate -Exos Mini
3	1	204147-Handle	Handle Mini
4	4	MRT-A2-M2x5H	Screw -Bufab
9	1	202699	Bone Guide -Exos Mini
12	1	0016H8--5-50	CP -Mattssons
13	1	0016H8--4-50	CP -Mattssons
14	1	203007	Drum Shaft -Exos mini
15	1	RTC-01202407	Oil Seal -ComTech
16	1	S-61901-2RS	Bearing
17	1	04712_12	Retaining ring -Mattssons
18	2	P6SS 3x4 A2	Set screw
19	1	202985	Drum
21	1	0016H8--5-16	CP -Mattssons
22	1	0016H8--4-16	CP -Mattssons
23	1	202984	Hat

Material

Surface treatment

Designed by	Checked by	Approved by	Date:	Generell tolerans	Date:	Generell via
EH			2012-09-18	ISO 2768-	2012-09-18	Ra



CAT 200PM MINI PINBONE

Edition	Sheet
C	1 / 1

