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EU CERTIFICATE OF CONFORMITY

CONFORMING TO EC Machinery Directive 98/37 EC

We



Fleming Agri-Products Ltd
Newbuildings Industrial Estate
Newbuildings
Northern Ireland
BT47 2SX

Declare in sole responsibility, that the products

Type: Soilmaster

To which this certificate applies, conforms to the basic safety
and health requirements of the Machinery Directive 98/37 EC,
and the Transposed Harmonised Standard:

BS EN 745 (1999)
BS EN 1553 (2000)

Jonathan Lecky
Production Director



**Soilmaster
Operators Manual**

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'Quality, Strength & Personal Service'

This manual is provided to assist you in getting the best results from your machine and ensure that you do so safely. If you have any queries about the use of the machine contact your dealer before use. Please keep this manual for future reference. This Fleming Soilmaster has been designed as an adaptable cultivation machine capable of producing the perfect seedbed on medium soils.

Delivering four operations in one pass the Fleming Soilmaster features floating toothed breaker boards for better soil breakdown. Tines are set at optimal angle reducing the possibility of bringing up stones and sods. Finally the heavy duty bearing mounted crumbler produces a firm level seed bed ready for sowing.

Features include a heavy duty frame which provides not only better soil penetration but high strength and very low maintenance. Slotted lift arms allow impact absorption whilst also minimising wear and tear on the tractor. Its high tensile steel tine bar with reversible tine points makes the Fleming Soilmaster sturdy and dependable, perfect for agricultural use.

1.1 FUNDAMENTAL PRECAUTIONS

On delivery, your dealer gave you an explanation of the operation and maintenance of this Fleming Soilmaster. Please read and understand these operating instructions before operating the machine for the first time. It is essential that you observe all safety instructions.

Incorrect use or mishandling of the machine can endanger:

- Life and Limb of the operator, other persons or animals standing within the vicinity of the machine.
- The machine and other material assets of the owner or third persons.
- The performance of the machine.

Anyone who is involved in the commissioning, operation or maintenance of the Soilmaster must read and understand the following instructions very carefully and observe them at all times.

NEVER DISTRACT ANYONE WHO IS USING A MACHINE.

1.2 AUTHORISED OPERATORS

Youths under the age of 16 may not operate this implement. The owner of the machine must provide the operator with the operating instructions and make sure they have read and understood them. Only then may the soilmaster be put into operation.

The owner must ensure that only authorised persons operate/work on this machine. He is responsible for any third persons or animals within the working area of the soilmaster.

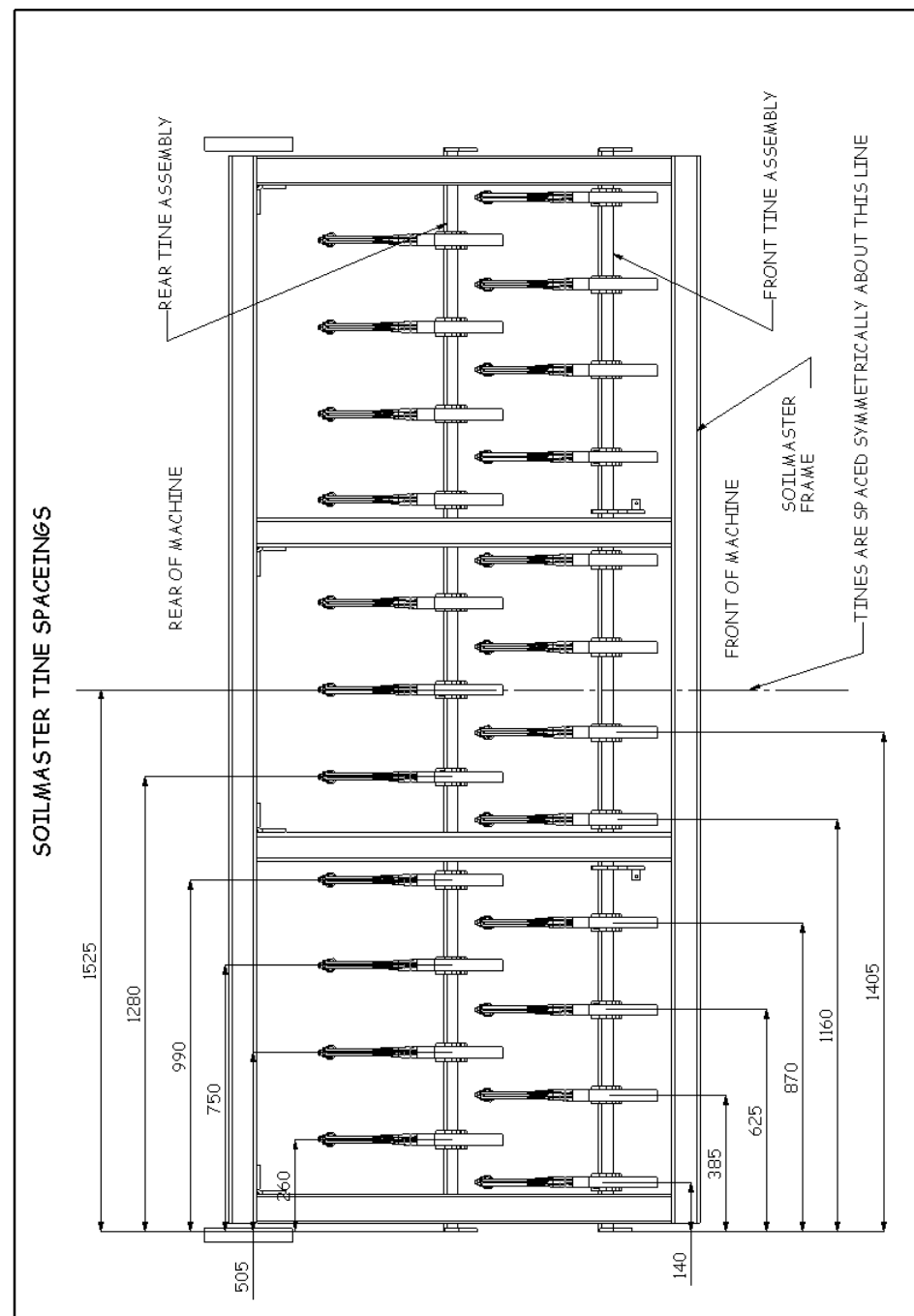
A SAFE DISTANCE OF AT LEAST 5M MUST BE OBSERVED BY ANYONE WITHIN THE VICINITY OF THE SOILMASTER.

1.3 GENERAL SAFETY AND ACCIDENT PREVENTION REGULATIONS

•Ensure the implement is correctly and securely attached to the operating vehicle 3-point linkage using the lift arm pins and locking lynch pins provided.

•**NEVER** attach to a tractor which would be rendered unstable when the implement is operated at its full capacity. Take note of the maximum load permissible on the linkage. The weight of the Fleming soilmaster is 650kg.

•Take extra care when operating machinery on sloping ground. **NEVER** operate on ground on which there is a risk of the tractor becoming unstable.



1.5 MAINTENANCE

- As a rule, disengage the driving system, and stop the engine prior to carrying out maintenance, servicing, cleaning or repair work. **ALWAYS** remove the ignition key.
- Prop the soilmaster with appropriate supports before carrying out any maintenance.
- The manufacturer will not be responsible for any damages or injuries caused by unauthorised repair, alterations or mishandling of the product.
- The tractors generator and battery cables should be disconnected before carrying out any maintenance.
- Maintain product with care. Check periodically for damage that would affect the safe operation of the implement.
- Regularly lubricate the crumbler bearings and hinges using clean grease complying to Din 51502.
- ALWAYS** use genuine Fleming parts.
- ALWAYS** ensure all warning stickers are kept clean and in good condition.
- Check crumbler bolts, KKK tine bolts and all pivot point pins daily.
- CAUTION** paintwork may be damaged if high-powered washers are used when cleaning the soilmaster.

ITEM No.	DESCRIPTION	QTY.	CODE
1	SOILMASTER FRAME ASSEMBLY	1	
2	TINE BAR (FRONT) ASSEMBLY	1	
3	TINE BAR (REAR) ASSEMBLY	1	
4	SM10- TINE ADJUSTING ASSEMBLY	1	
5	TINE BAR CONNECTOR	2	
6	REAR LEVELLER RIGHT ASSEMBLY	1	
7	REAR LEVELLER LEFT ASSEMBLY	1	
8	CRUMBLER ASSEMBLY	1	
9	KKK TINE	23	ZGPP 40
10	HEX BOLT M12 x 50	23	ZFAS 15
11	M12 NYLOCK	23	ZFAS 22
12	TOP LINK CAT I 16" TUBE	1	ZGPP 47
13	TOP LINK CAT I 16" TUBE	2	ZGPP 47
14	TINE BAR PIN ASSEMBLY	8	
15	M6 x 40 ROLL PIN	24	ZFAS 30
16	110mm ADJUSTOR TL PIN	1	
17	80mm ADJUSTOR TL PIN	5	
18	CRUMBLER ARM PIN	2	

•When detaching the implement from the tractor always ensure that the tines are adjusted to the fully raised position and that the crumbler is adjusted to its fully lowered position. Ensure the soilmaster is stable and is safely positioned on a level surface.

•**NEVER** attempt to move this implement manually.

•Before operation make yourself familiar with all elements and controls of the machine as well as their functions.

•Before operation inspect the area around you. Keep children away. All visitors should be kept away from work area.

Under NO Circumstances should anyone attempt to use the soilmaster as means of personal transport. It is designed as specialist purpose farm implement and is unsuitable for the safe transportation of passengers. **NEVER** allow anyone especially children to travel anywhere between the tractor and the soilmaster.

•To avoid personal injury do not allow hands or limbs to enter the area around the crumbler and crumbler arm whilst the crumbler is free to rotate.

•**NEVER** allow children to play on or around tractors and machinery.

1.4 GENERAL OPERATING INSTRUCTIONS

•**IMPORTANT!** When operating the machine for the first time, tighten all bolts each hour during the first five hours of use.

•The attaching and detaching of the implement to a tractor must be carried out by only one operator. There should not be any other people in the vicinity of the implement or in the tractor.

•This Soilmaster is a tractor-mounted farm implement. Attempts should not be made to attach the Soilmaster to any other type of vehicle.

•Ensure the implement is correctly and securely attached to the operating vehicle using the standard 3-point linkage with the lift arm pins provided.

•Adjustments to the crumbler can be made by lengthening or shortening the attached links. Ensure that during operation both links are adjusted to be equal in length to allow proper functioning of crumbler and to avoid any undue stress on the crumbler bearings and crumbler arms.

•The tine depth can also be adjusted using the tine bar adjuster on the implement.

•It is recommended that if unsure of the tine penetration depth required that the tines are set to a shallow penetration depth and increased incrementally until best results are achieved.

•The front levelling bar can be raised or lowered using the tractor Top link.

•**NEVER** attempt to reverse with the soilmaster lowered to the ground as KKK Tines and spring steel mounting bars will be irreversibly damaged.

•Grease crumbler bearings regularly.

•It is recommended that the soilmaster be lifted clear of the ground at head land and during tight turns as undue pressure can be exerted on crumbler frame and tractor.

A (1 : 7)

NOTE: ALL PINS HELD
IN PLACE WITH
M6 x 40 ROLL PINS

KKK TINE
ADJUSTOR

CRUMBLER
ADJUSTOR

17

18

B (2 : 17)

CRUMBLER
ADJUSTOR

17

C (1 : 5)

110mm ADJUSTOR TL
PIN FRONT VIEW (1 : 6)

16

