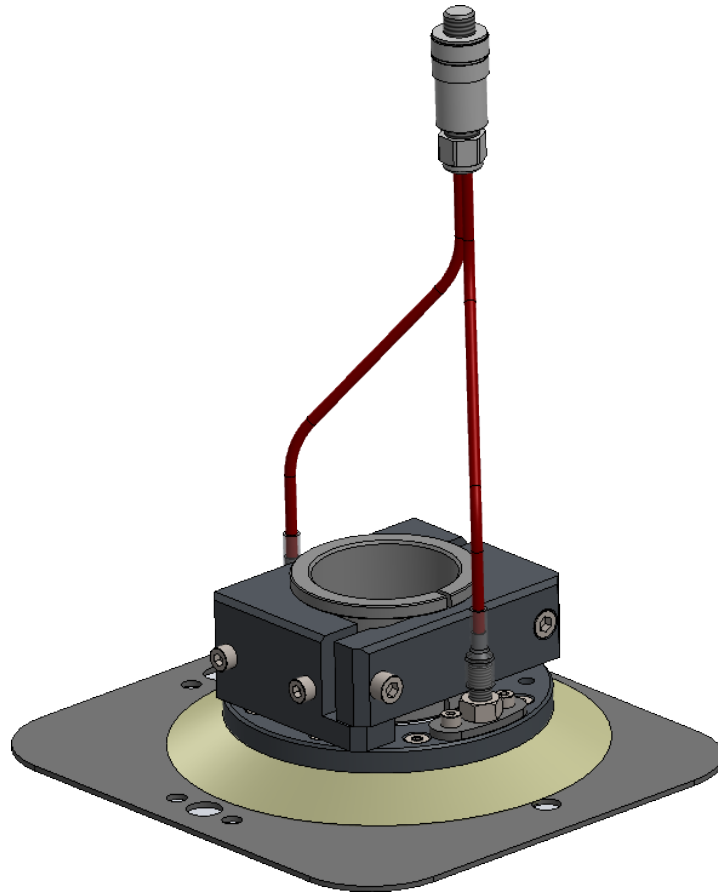


TORCH IMPACT SAFETY SYSTEM

MAGNETIC TORCH IMPACT SAFETY SYSTEM

SAFETY INSTRUCTIONS FOR OPERATING AND MAINTENANCE

No P04096901 - P04096902 - P04096903 - P07006610



ISSUE : EN
REVISION : C
DATE : 10 - 2023

Assembly instructions

REF: 8695 4606

Original instructions

Thank you very much for the trust you have shown by choosing this piece of equipment. It will give you trouble-free service if it is used and maintained as recommended.

Its design, component specifications and manufacturing are in accordance with applicable European directives.

Please refer to the CE declaration enclosed to identify the directives applicable to it.

The manufacturer shall not be liable for any combination of parts not recommended by it.

For your safety, please follow the non-limitative list of recommendations and obligations, a large part of which are included in the Labour Code.

Please inform your supplier if you find any error in this instruction manual.

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INFORMATION

This technical literature is intended for the following machines or products:

- **Magnetic torch impact safety system**



This manual and the product with which it is associated refer to the applicable standards in force.



Please read this document carefully before you install, use or maintain the machine. Keep these instructions in a safe place for future reference. This document must follow the machine described if there is a change in ownership of the machine and accompany it up to demolition.



Display and pressure gauge:

Measurement instruments or displays of voltage, intensity, speed, accuracy etc. are to be considered as indicators, whether they are analogue or digital.



For operating instructions, adjustments, troubleshooting and spare parts, please refer to the special instructions for safe operating and maintenance.



In spite of all the measures applied, invisible residual risks may still remain. Residual risks can be reduced if the safety instructions are observed, the machine is used as recommended and general service instructions are followed.

REVISIONS


























REVISION : B DATE : 02/19

DESCRIPTION	PAGE
Change logos	

REVISION : C DATE : 10/23

DESCRIPTION	PAGE
Update THDi C added	

MEANING OF SYMBOLS

	Reading the manual/instructions is mandatory.		Indicates a hazard.
	Mandatory use of safety shoes.		Warning of an electricity risk or hazard.
	Mandatory use of hearing protection.		Warning of a risk or hazard due to an obstacle on the floor.
	Mandatory use of a safety helmet.		Warning of a risk or hazard of falling with a level change.
	Mandatory use of safety gloves.		Warning of a risk or hazard due to suspended loads.
	Mandatory use of safety glasses.		Warning of a risk or hazard due to a hot surface.
	Mandatory use of a safety visor.		Warning of a risk or hazard due to moving mechanical parts.
	Mandatory use of safety clothing.		Warning of a risk or hazard due to a closing movement of mechanical parts of a machine.
	Make sure you clean the working zone.		Warning of a risk or hazard due to laser radiation.
	Mandatory use of breathing protection.		Warning of a risk or hazard due to an obstacle at a height.
	Visual inspection required.		Warning of a risk or hazard due to the presence of a pointed part.
	Indicates a lubrication operation.		Wearers of pacemakers may not be admitted in the designated area.
	Requires maintenance action.		

A - DESCRIPTION

The magnetic torch impact safety system is a machine protection device that is mounted between the tool holder and a cutting torch. It acts as a safety device in the event of a lateral or vertical impact on the torch by stopping the movements of the machine.

1 - Operating principle

The magnetic torch impact safety device is based on the magnetic fastening of a clamp on a support. A torch collision separates the clamp from its support, which is detected by limit switches. Such detection leads to the immediate stopping of machine movements.

The system is put back in place manually with magnets that precisely reposition the upper part of the clamp.



Important: While putting back in place, make sure no slag is adhering to the magnets.

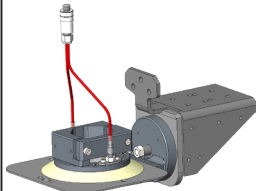
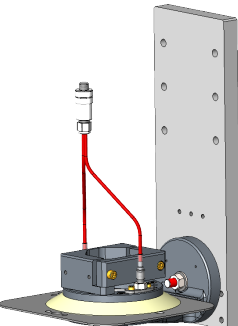
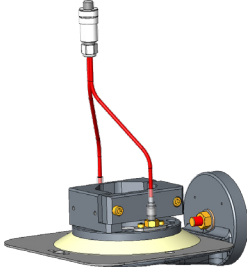
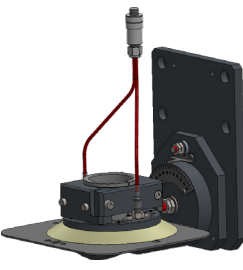
The **Linc-Cut C HD** torch safety bracket can be adjusted along X and Y, to easily adjust torch verticality



For more details about adjusting the torch impact safety system, please refer to the literature:

- 86954569: THDi C tool holder

2 - Item numbers

Item no	P04096901	P04096902	P04096903	P07006610
Type of tool holder	PO250 PO251	POC151 POC251	THDi160 THDi350	THDi 180 C
				

1 - Installing the magnetic torch impact safety system



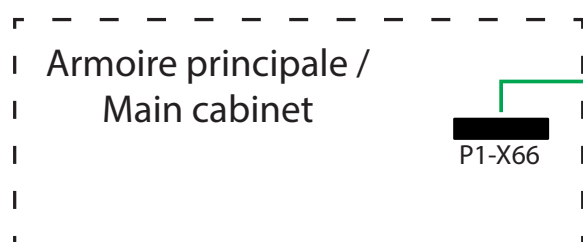
Refer to of the machine layout drawing.



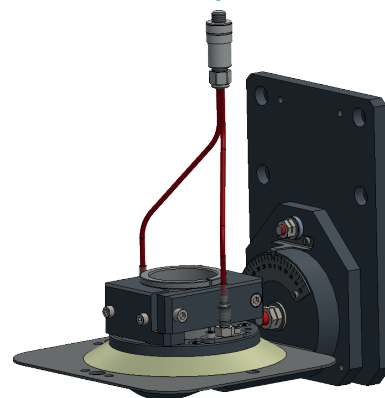
The use of personal protective equipment (PPE) is mandatory.

The magnetic torch impact safety system is fastened to the torch bracket by means of 4 M5 screws

2 - Electrical connections



P1-W66 (07085779)



1 - Care

For a long and trouble-free life, the machine requires a minimum level of care and maintenance.

The frequency of such maintenance is indicated for production in one work shift per day, or maximum 8 hours of daily running for each movement axis. For higher production rates, increase the maintenance frequencies accordingly.

Your maintenance department could photocopy these pages to track maintenance frequencies and times and the operations completed (tick the appropriate box).



Before working on the machine, it is **MANDATORY** to lock out all the supplies of utilities to the machine (electricity, air, gas etc.).
Locking an emergency stop button is not sufficient.



Reminder: The use of personal protective equipment (PPE) is **MANDATORY**.

1.1 Maintenance schedule



This schedule must **absolutely** be followed.
We recommend putting in place a traced system for tracking all your maintenance operations.

Sub-assembly	Component	Type of inspection	Action	Frequency				Step
				1 week	1 month	6 month	1 year	
Torch impact safety system	Magnet		Blowing	X				A
Torch impact safety system		Visual	Inspection		X			B

Step	Operation	OK	NOK
A	<u>Tool holder</u>	✓	X
	Clean the magnets using a blower.		

Step	Operation	OK	NOK
B	<u>Tool holder</u>	✓	X
	Check that the torch impact safety system is properly fastened. Check the condition of cables and connectors.		

2 - Spare parts

Ordering procedure:

Almost all the parts of a machine or installation are referenced in the photographs and sketches.

The descriptive tables contain three types of item:

- items normally held in stock: ✓
- items not held in stock: ✕
- articles upon request: no reference

(For such parts, please complete the list of parts page and send us a copy. In the Order column, state the number of parts required and indicate the type and number of your equipment.)

For items referenced in the photographs or sketches but not included in the tables, please send us a copy of the relevant page and highlight the relevant reference.

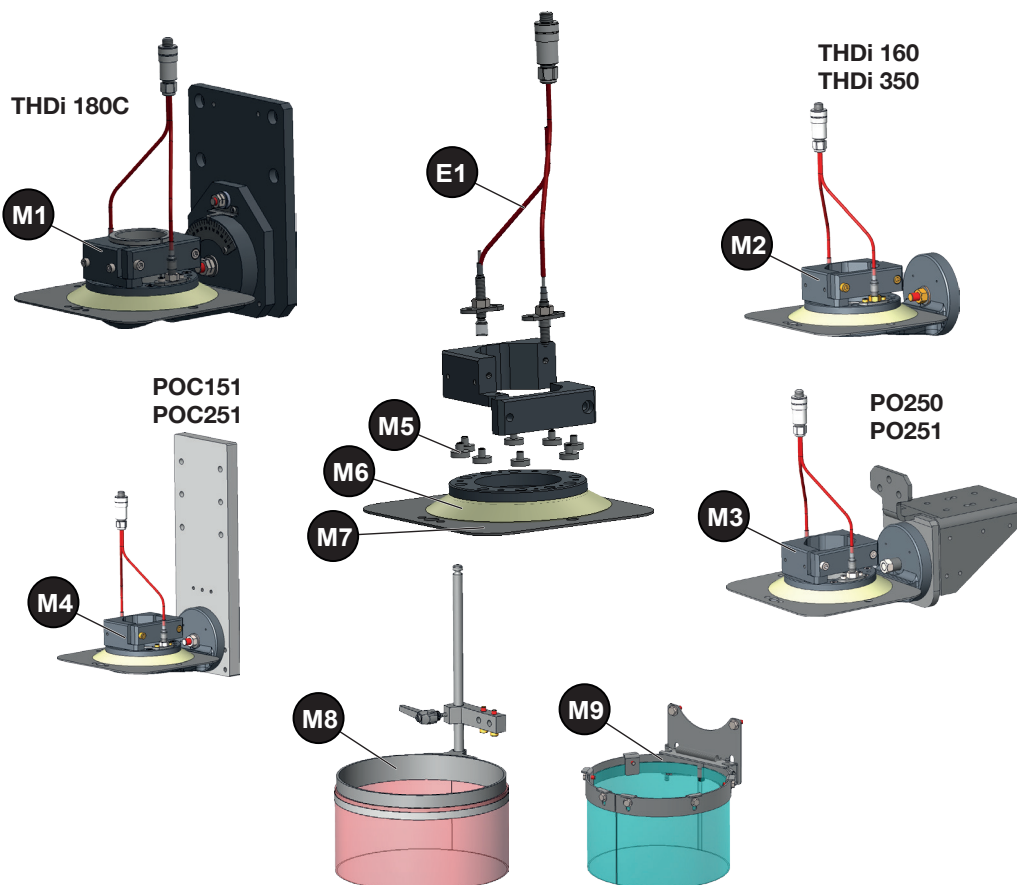
Example:

Ref.	Part no	Stock	Order	Description
A1	W000XXXXXX	✓		Machine interface board
A2	W000XXXXXX	✕		Flow meter
A3	P9357XXXX		↑	Printed front plates

✓ normally held in stock.
✕ not in stock
upon request.

- While ordering parts, please indicate the quantity and note the number of your machine in the box above.

CE Type		TYPE:
Matricule		Number:



✓	normally held in stock.
✗	not in stock
	upon request.

Ref.	Part no	Stock	Order	Description
M1	P07006610			Magnetic torch impact safety system assembly, THDi C
M2	P04096903			Magnetic torch impact safety system assembly, THDi 160_THDi 350
M3	P04096901			Magnetic torch impact safety system assembly, PO250_PO251
M4	P04096902			Magnetic torch impact safety system assembly, POC151_PO251
M5	W000372749	✓		8: Flat magnet, Ø16x4.5 (Elesa France: 501239)
M6	P07056796			Guard washer
M7	P07056779			Protective plate
E1	W000376417	✓		Magnetic torch impact safety system electrical assembly
	PC5702793			Ball plunger (Misumi EUROPA: N-MSPSS-D8)
M8	P07034865			Safety curtain assembly
	P07034868			Safety curtain
M9	P07086325			Safety curtain assembly
	AS-CS-07086330	✓		Safety curtain
	PC6203150			Extension spring, 10x1.5x83

- While ordering parts, please indicate the quantity and note the number of your machine in the box above.

CE Type <input type="text"/> Matricule <input type="text"/>	TYPE:
	Number:

