



ELITE TR 5

User manual



Version January 2024



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1.FIRST STEPS

Congratulations on your purchase of the ELITE model TR 5 automatic band saw setter.

Please read this guide before you begin.

The TR 5 is an automatic band saw setter from 20 mm (3/4") to 120 mm (4.72")

This manual presents the main functions of the setter in order to avoid risks to your health or that may cause breakdown or premature wear of the machine.

If in doubt, contact us or one of our authorized distributors.

“Informative Note: The use described in the manual of this band saw setter described therein may present some variations in use since our machinery is subject to possible construction modifications, depending on the incorporation of technological advances in our setting equipment. ”



2.SECURITY

2.1.Safety rules

Carefully observe and apply the following safety rules, failure to comply with these rules may cause personal injury or damage to the machine itself.

The installation and maintenance of the machine described in this manual must be carried out only by operators who are familiar with its operation and have sufficient technical knowledge.

The ELITE setting machines of the TR 5 model range have been designed for setting band saws, excluding any other type of operation.



DANGER HIGH VOLTAGE



DANGER OF ACCIDENT



DANGER DUE TO SPARK PROJECTION



WEAR PROTECTIVE SHOES



DANGER FROM SHARP TOOLS



USE HEARING PROTECTORS

These warnings do not include all possible risks that improper use of the machine could cause. For this reason, the operator must proceed with prudence and observing the rules.



2.2. Use and storage of the instruction manual

This instruction manual must be read and understood by all personnel who come into contact with the machine.

This manual is for:

- Indicate the correct use of the machine according to the type of work to be carried out.
- Provide the necessary instructions for the transport, adjustment and maintenance of the machine.
- Facilitate the ordering of spare parts and information of risks.

Limits of use of the manual:

The machine is intended for professional use and therefore the experience of the operator is required and of vital importance.

Importance and conservation of the manual:

This manual must be considered part of the machine and must therefore be attached to it until the end of its use.

Additional information and clarifications:

The user, owner or maintenance person can contact the manufacturer to request any additional information on the use of the machine and possible modalities for maintenance and repair intervention.

Expiration of responsibility:

The manufacturer is considered exempt from any liability in the event of:

- Improper use of the machine
- Use of the machine by untrained persons
- Serious failures in scheduled maintenance
- Unauthorized interventions or modifications
- Use of non-original spare parts.



2.3.Declaration of conformity

The company hereby **Elite Sharpening Machines, SLU**
C/Juan Oró, 27
ES-08635 Sant Esteve Sesrovires

declares that the product indicated below, based on its conception and construction, as well as the version put on the market by our company, complies with the mandatory basic health and safety requirements of the CE directive.

This declaration loses its validity in the event of unauthorized modifications to the product.

Product name: ***ELITE model TR 5***
Product type: ***Automatic band saw setter***
Serial No.: _____

EC Directive Competences:

- **EC Machinery Directive (2006/42/EC)**
- **European directive on electromagnetic compatibility (2014/30/EU)**
- **The protection purposes of the CE low voltage directive (2006/95/CE) were fulfilled according to annex I, nr. 1.5.1 of the machinery directive 2006/42/EC**

The technical documentation was compiled by Legal representative of the documentation:

Sergi Valls Gramunt
Juan Oró, 27
ES-08635 Sant Esteve Sesrovires

Date / manufacturer - Signature: _____

Signatory data: Sergi Valls Gramunt, CEO



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3. TECHNICAL DATA

In the following information table, find the list of technical specifications of the sharpening machine described in this manual.

TECHNICAL DATA	ELITE TR 5
Band saw Width	From 20 to 120 mm. (3/4" to 4.72")
Band saw thickness	From 0.8 to 1.6 mm.
Tooth pitch	0 to 35 mm (0" to 1.37")
Working speed	60 - 80 teeth/minute
Setter motor	0,18 kW
Connection	220/400 V. 3Ph 50/60 Hz



4. TRANSPORTATION

The ELITE TR 5 is delivered packed in a wooden box.

During all transportation and transfer, the machine must be kept in its original vertical position; any variation in this position may result in the loss of the warranty.

AVAILABLE VERSIONS		
Model	Packaged size (mm)	Gross weight (kg)
TR 5 - Without kickstand	330 x 330 x 370	75
TR 5 - With kickstand	400 x 400 x 1400	145



4.1. Unpacking and assembly instructions

Take special care when lifting the load: The load cannot be centered!

To lift or move the load, use a forklift with blades long enough to support the machine, taking into account the width and depth of the machine when calculating the weights to be lifted.

Once the packaging is opened, remove the fixing stops from the feet of the machine.



Once the machine has been moved to its final work destination, you must secure the machine to the ground using the 4 screws placed on the base support of the machine.

If this is not done, there is a high risk of tipping the machine and causing serious injury to personnel and the machine itself.

Once the machine is in its final location, you can also remove the protective film and other protections from the components, which secure and prevent the carriage from moving.





5.INSTALLATION

5.1.Placement of the machine

Before any work, make sure that the machine is well aligned and does not oscillate at any of its ends, in which case it must be chocked to prevent movement. For correct leveling it is necessary to use a leveling tool. This control must be carried out both longitudinally and transversally.



Poorly leveling the machine can cause unwanted vibrations and premature wear of the linear guides.



WARNING: The machine must not be used under any circumstances by unqualified or unauthorized personnel.



5.2. Electrical connection



DANGER HIGH VOLTAGE!

The electrical connection of the machine must be carried out by qualified technical personnel only at the voltage indicated in the machine order / machine identification plate.

If you have any questions about the voltage, consult the manufacturer before connecting.

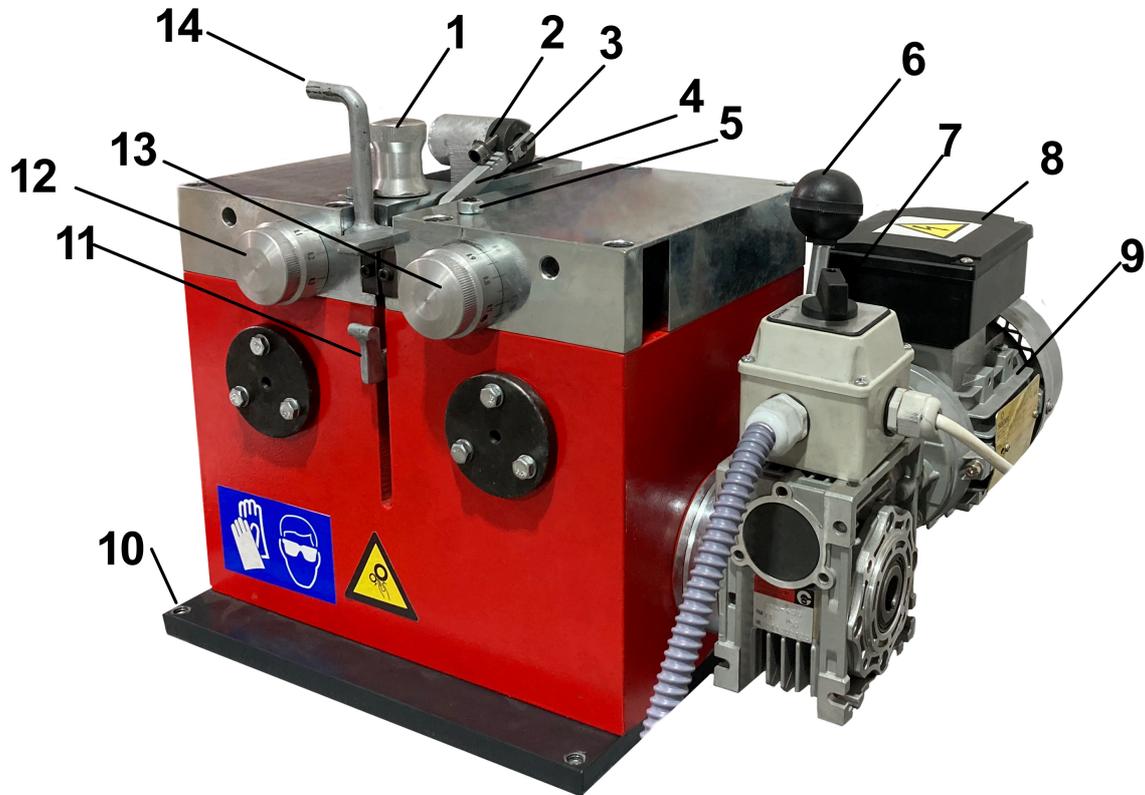
Check that the motor rotates in the correct direction and that the installation has the corresponding ground connection.

Any claim for incorrect connection will be out of warranty.

Remember: Before connecting the machine, remove any guards the machine may have to protect components during transport.

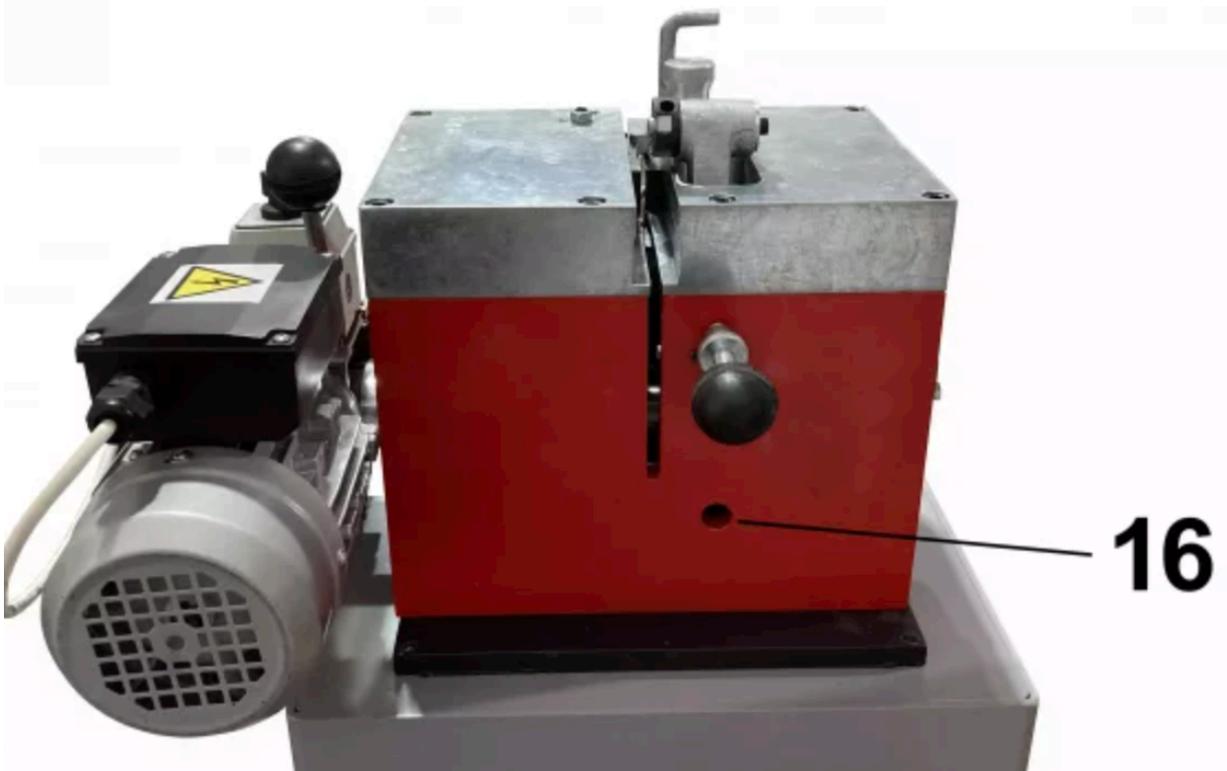


5.3. Main components of the machine

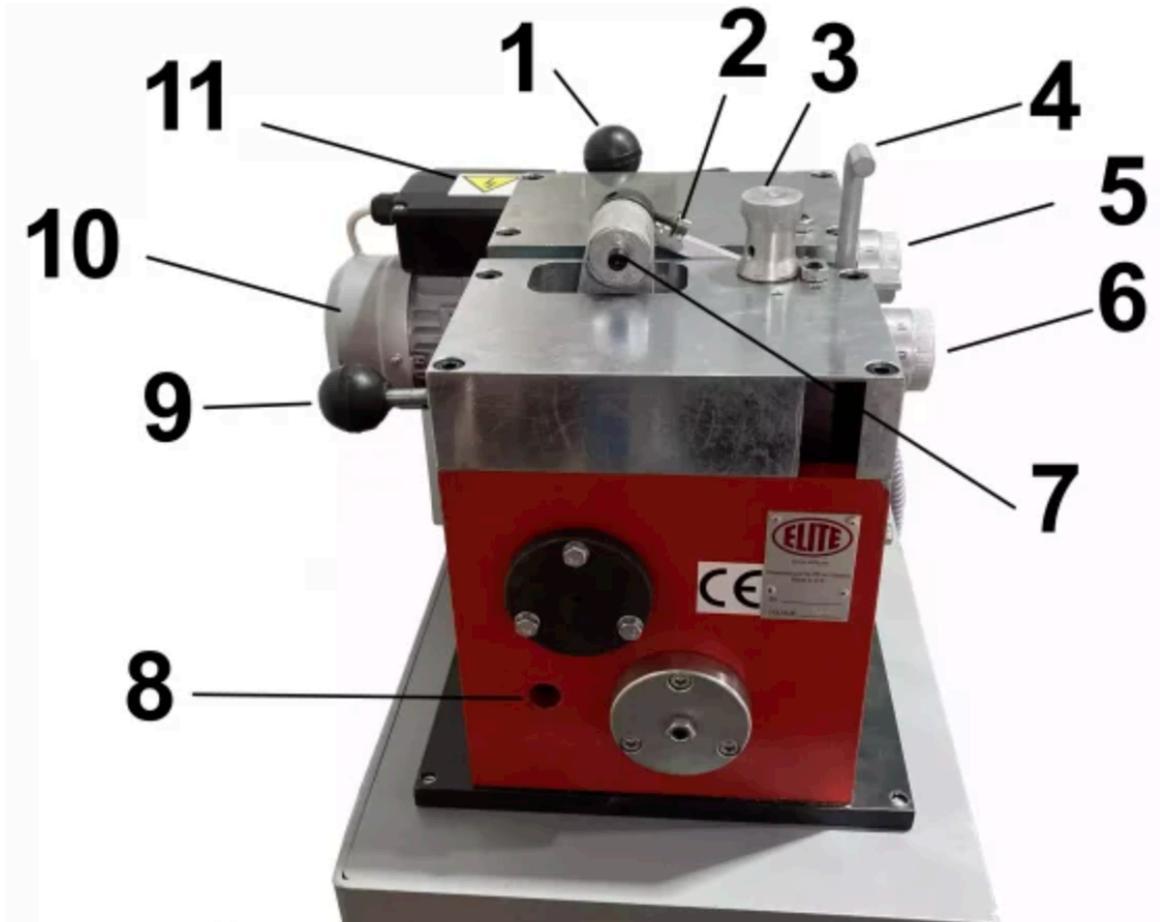


Description of the machine's main components as shown in the figure on this page

1. Handwheel for band saw height adjustment
2. Screw for adjusting the position of the feed claw
3. Feed claw fixing screw
4. Lead nail
5. Screw for disassembling the setting punch
6. Setting type selector lever: Right-left or right-left-straight
7. Machine power switch
8. Latching motor electrical connection box
9. Locking motor
10. Machine base with 4 holes for fixing the machine
11. Adjustable support using the handwheel No. 1 for the height of the band saw
12. Left adjustment of the thickness and centering of the band saw
13. Right adjustment of the thickness and centering of the band saw
14. Band saw height setting lever



16. Hole for tightening/loosening the fixing screw of the right-left or right-left-straight setting selector cam.



Description of the machine's main components as shown in the figure on this page

1. Setting type selector lever: right-left or right-left-straight
2. Screw for adjusting the position of the feed claw
3. Handwheel for band saw height adjustment
4. Band saw height setting lever
5. Right adjustment of the thickness and centering of the band saw
6. Left adjustment of the thickness and centering of the band saw
7. Feed claw fixing screw
8. Hole for inserting the locking selector lever (Pos. 1)
9. Feed pawl travel limiting lever (tooth pitch)
10. Locking motor
11. Latching motor electrical connection box



For sections 6 to 8 of this manual, as well as for more up-to-date information and useful videos on the operation of the machine, please refer to our website

www.elite.es



www.elite.es/en/support/manuals/tr-5

9.ACCESSORIES AND CONSUMABLES

9.1.Set of easels



www.elite.es/en/support/manuals/tr-5

For more updated information and helpful videos on how to operate the machine, check our website www.elite.es