



Temelsan[®]

CHAMBER TEST MACHINE USER MANUAL



Congratulation to your new TEMELSAN Chamber Test Machine

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BASIC INFORMATIONS

This manual user guide is prepared to be useful in order to get familiar with the machine and the functions of the machine. By the help of this manual guide, the operator becomes a capable to use the machine in an optimal way in order to operationalize safely, ergonomically and properly.

This manual user guide allows the operators not to take risk, minimize the idle and repair time. It also helps to increase lifetime of the machine.

This manual user guide should be kept in a proper place and be accessible easily when needed. The local regulations included safety and environmental requirements must be followed in addition to the statements based on this manual user guide.

In case of an issue, complaint, request, demand on spare parts etc. please note the following information along with the below message

Concerning following Object:

Machine Model: TEMELSAN CHAMBER

Mfg. year: 2018

Serial Number: _____

APPROPRIATE USE

Chamber test machine is designed to test all kinds of band saw blades such as wood, bi-metal, carbon, etc. and the steel bands.

In the event of using the machine rather than described in which case the machine would be out of warranty situation of Temelsan.

WARRANTY AND LIABILITY

In the event of involving a personal injury or physical damages are not covered by the warranty if the following events occur as below.

- Using the machine for a purpose rather than intended
- Technically, improper installation, start-up operation or maintenance of the machine
- In the act of using the machine while any of safety equipment is a broken or protective device inappropriately running.
- Making constructional changes on running parameters.
- Insufficient control of abrasion parts
- Inappropriate repairs
- The catastrophic failures due to the action of foreign objects / Bodies and excessive force applied

SAFETY

Below safety requirements must be applied without skipping anything and priority case to carry out.

QUALIFIED PERSONNEL

Certain tasks must be carried out on the machine by a professional qualified personnel. Not third parties neither the children should be near the machine working area.

PLANNING AND SET-UP

Planning, transportation, installation, programming, start-up, maintenance, repairs and other works must be done by qualified personnel. Authorized technician must check it also.

The following matters must be noted:

- Technical data and details concerning the permissible use of the machine and its accessories.
- General and specific local preparation and safety measures.
- Personal usage and the use of general safety equipment must be related the norms.
- Especially listed on this manual guide but specifically not listed in the operating instructions that has been explicitly forbidden. Such as a handicapped to use the machine is such cases it is necessary to contact the manufacturing company.

OPERATIONS

Dangers hidden in disregards of safety regulations.

AREAS OF USAGE

Chamber test machine Temelsan CHAMBER is used for any kind of steel bands and band saw blades or bi-metal or carbide tipped band saw blades.

The capping capacity for Band Saw Blades is from minimum 6x0,65mm up to a maximum 100x1,60mm. The machine is capable to test all kinds of band saw blades which are called carbon, wood, bi-metal, CT Work.

The machine need to be assembled on floor.

The machine can be set-up by the customer's own staff if officially approved by Temelsan.

Please read the following sections thoroughly and carefully before the initial start-up and ensure that you clearly understand it.

MAINTENANCE AND SERVICING

Temelsan will supply the necessary spare parts or consumables in case of mal-function or maintenance as soon as the customer informs.

ISSUES

The machine must be switched off at once in case of any problem occurs during the operation and then locked for not being restarted accidentally by an unauthorized person.

The machine must be switched off in this case.

- Unusual sounds, smells
- Increased temperatures or power consumption



WARNING!

Only suitably qualified personnel must service the machine!



EMERGENCY

ATTENTION!

Note the following at emergent cases (fire, breakage):

- Cut the machine off from the mains power supply at an external main switch or external fuses
- Use the fire extinguishers of a suitable type to deal with the fire

SAFETY MEASURED RELATED WITH THE MACHINE



WEAR PROTECTIVE GLASSES!

Grinding beads produced during grinding work could damage your eyes.



WEAR GLOVES!

The sharp edges of the blades can cause hand injuries.



SWITCH OFF THE MACHINE!

Cut off machine from the main supply before carrying out setting-up maintenance and servicing work on the machine.



ATTENTION!

It's dangerous when contacting parts of the power supply, control and transformer.

REQUIREMENTS OF WORKING PLACE

- Flat and smooth ground
- Required big enough area around the machine
- Environmental conditions
- The client is obliged to local electrical distributor notified technical requirements

FIRST CONNECTIONS

POWER SUPPLY



Make sure that the main switch of the machine is on OFF position and prevent to be turned on by an accident.

A qualified electrician must do the connection.

The input voltage (standard norm) is 220V AC (1 Phase + Neutral + Ground) 50Hz.

The recommended power supply cable is 3x1,5mm

RST marks for phase connections, N mark is Neutr Connection and Yellow Green cable is for Earth connection.

Do not switch ON the machine before the all setup instruction is read and work performed



ATTENTION!

Pay special attention to protect yourself from the energized cables moreover the control panel while operating the machine. Keep closed the cover of electrical control panel and do not forget to take out all the foreign objects in the cabinet which might cause short circuit.



WARNING!

- Machine has own electric connection cable.
- The electrical equipment of the machine must be checked regularly
- Remove at once any loose or worn cables
- The customer is required to comply with the technical conditions and requirements of the relevant electrical power supply company

FIRST INSTALLATION AND ADJUSTMENTS

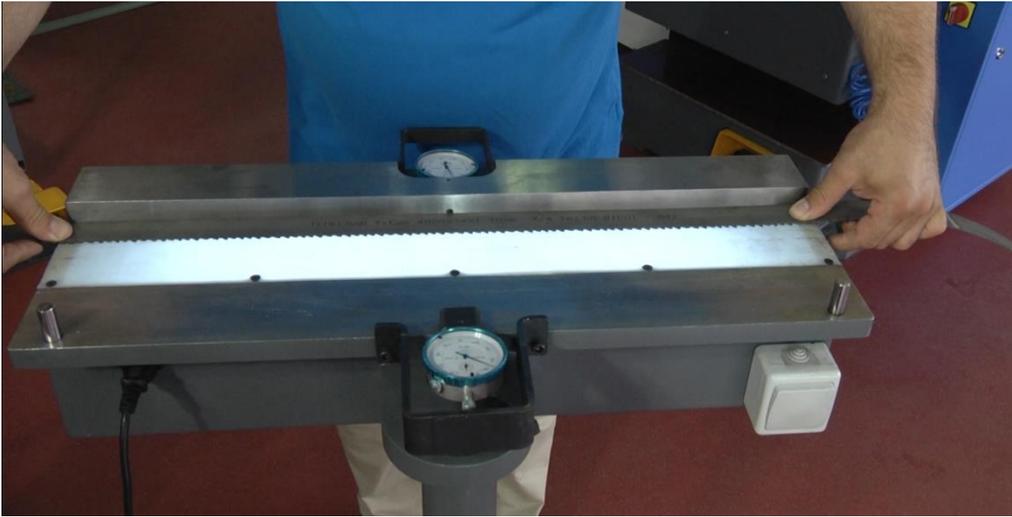
Authorized professionals, who must read this user guide, must do first installation and adjustments. In case of questions, an immediately contact with manufacturer/supplier required.

START-UP THE MACHINE

1. Fix the electrical connection on 220 V AC socket.
2. Turn the main power switch to ON

OPERATION STEPS

- 1- Switch on the machine (white light should go on)
- 2- Before doing any processes on band saw you have to check the **+ or -** Chamber of blade as its showed on picture NR 1
- 3- The value that you find **+ or -** , by this value you have to adjust the stoppers on welding machine and finish the welding procedure
- 4- After welding finish the necessary grinding procedure (included back edge grinding)
- 5- After the grinding you can test your band saw as its showed on picture NR 2 to find axial run-out



PICTURE NR 1



PICTURE NR 2

EQUIPMENTS