



1.1 SAFETY INFORMATION!

WARNING: IMPROPER OR UNSAFE OPERATION OF THE MACHINE WILL RESULT IN PERSONAL INJURY AND/OR DAMAGE TO THE EQUIPMENT.

Read these instructions thoroughly before operating machine. DO NOT operate machine if you are unfamiliar with these safe operating instructions. DO NOT operate machine without knowing where the emergency stop switch is located.

1. Keep fingers, hands, and all other objects away from machine while power is on.
2. Disconnect power to all system components when not in use, when changing accessories, and before servicing.
3. Do not loosen, remove, or adjust machine parts or cables while power is on.
4. Exercise care with machine controls and around keyboard to avoid unintentional starting.
5. Make sure voltage supplied is appropriate to specifications of components.
6. Machines must be plugged into four-pronged grounded outlets. Do not remove the grounding plug or connect into an ungrounded extension cord.
7. Keep cables and cords away from heat, oil, and sharp edges. Do not overstretch or run them under other objects or over work surfaces.
8. Use proper fixtures and clamps to secure work. Never use hands to secure work.
9. Do not attempt to exceed limits of machine.
10. Do not attempt to use machine for purposes other than what is intended.
11. Use machine only in clean, well-lit areas free from flammable liquids and excessive moisture.
12. Stay alert at all times when operating the machine.
13. Always wear safety goggles and a dust mask.
14. Do not wear jewelry or loose-fitting clothing when operating machine. Long hair should be protected.
15. Always maintain proper balance and footing when working around the machine.
16. Maintain equipment with care. Keep cutting tools clean and sharp. Lubricate and change accessories when necessary. Cables and cords should be inspected regularly. Keep controls clean and dry.
17. Before using, check for damaged parts. An authorized service center should perform all repairs. Only identical or authorized replacement parts should be used.
18. Remove any adjusting keys and wrenches before turning machine on.
19. Do not operate the machine unattended.
20. Follow all safety instructions and processing instructions in the MSDS for the material being processed.
21. Use proper precautions with dust collection systems to prevent sparks and fire hazards.
22. Make sure to have proper fire extinguishing equipment on hand at all times.

PREVENT FIRE HAZARDS by using the proper feeds, speeds, and tooling while operating your Techno machine. For example, **setting feeds and speeds too low and/or using dull tool bits creates friction at the material.** The friction generates heat **which can result in a fire that can be drawn through the vacuum table or dust collector without warning.** Fire hazard from friction heating caused by dull tools **is possible when cutting certain materials, especially composite material such as wood composites, MDF and Particleboard.** © 2016

1.2 Correct Colleting:
Read these instructions thoroughly
BEFORE operating machine.



WARNING!
THE SPINDLE WILL BE DAMAGED
IF UNBALANCED EQUIPMENT IS USED.
AIR SUPPLY MUST BE FILTERED AND DRY.

COLLETING GUIDELINES

WRONG!



This picture shows an improper assembly. Notice the gap and angle of the collet in relation to the nut. The collet is not flush to the end of the collet nut. Correct this assembly before using.

DO NOT
PUSH THE
COLLET
INTO THE
SPINDLE AT
ANY TIME!

Only the proper assembly should be screwed onto the spindle.



RIGHT!



The picture above is how your collet nut assembly should look: the end of the collet is flush with the bottom surface of the collet nut. You will hear and feel a "SNAP" as the collet properly goes into the collet nut. Once it is assembled, then "SCREW" the nut onto the threaded spindle end.

FOR TOOLCHANGE
AND FIXED COLLET
SPINDLES:

ONLY USE TOOLHOLDERS,
COLLET NUTS AND TOOLS
THAT ARE BALANCED TO
MEET OR EXCEED THE MAX
RATED SPEED OF
THE SPINDLE.

