PACKING INSTRUCTIONS FOR DMTA

NOTE: Before shipping DMTA, remove all accessories and keep all the covers intact.

**WEIGHT**
- Test Module is 20Kg (44lbs)
- Electronics box is 15Kg (33lbs)

Observe **appropriate Safety Precaution** when packing DMTA.

**TOOLS REQUIRED:**
- Complete packing materials
- Complete set of Metric Allen keys
- Heavy duty Tape.

1.) Switch ON power supply on the DMTA and open Orchestrator Software on the Host Computer.
2.) Load a solid sample using tension test fixture tool as shown in figure 1. Open Edit Test Dialog Box in the Orchestrator software. Click on ‘Load Sample’, this will electronically zero displacement transducer. Carefully load a solid sample, hold the sample vertically and centered between the tension test fixture. Tighten the hex nuts on the tension test fixtures against the solid sample. Move stepper up OR down to zero transducer position.
3.) Turn OFF the Motor.
4.) Clear the oven door track, remove tools and unused test fixture from Oven compartment.
5.) Gently close the oven. Ensure that the motor displacement is still at zero position.
6.) Switch OFF the instrument.
7.) Remove Power cable.
8.) Remove communication cable.
9.) Remove all cables connected between Electronics Box and Test Module.
10.) Pack all the cables in a plastic bag and keep them safe.
11.) Using a cart, move the DMTA Electronics box and Test module from Laboratory workbench to shipping department.
12.) DO NOT HOLD the Test Module by the inlet and outlet pipes on the sides of the oven. (Figure 2)

13.) Complete packing kits consist of 2 sets of identical boxes with packing foams. Note the orientation of the bottom foam. Front is as indicated in figure 4.

14.) Insert the bottom foam into the boxes if not already done. (Figure 6)
15.) **At this point the task requires 2 persons:**
   a. Carry the Electronics box and carefully place it on top of the foam in carton as shown in figure 7. (Picture shown without outside carton for clarity)
   b. Place 2 top foams on the Electronics box. Ensure that the foam seats properly. (Figure 8)
   c. Place insert in the box (Figure 9), put all cables and accessories inside the space available. Support the items in the insert with foam so that they do not move in transit. (Figure 10)
   d. Seal the box with heavy-duty tape and set aside. (Figure 13)

16.) Carry the Test Module and carefully place it on top of the bottom foam in the second carton. DO NOT HOLD the inlet and outlet pipes on the sides of the oven. Note orientation of the bottom foam.
   a. Remove the perforated portion of the top foams to be used for Test Module. Please note the LEFT & RIGHT sides orientation (Figure 11)
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b. Place 2 foams on the Test Module and ensure that the foams seat properly. (Figure 12) (Picture shown without outside carton for clarity)

![Figure 11](image1.png)  
Left Side  
Right side  
Fig 11  

![Figure 12](image2.png)  
Fig. 12  

- Place insert in the box and put any remaining accessories in the box.
- DO NOT leave the insert empty. Fill it with peanuts as in Figure 10.
- Seal the box with heavy-duty tape.
- Strap both boxes tight and secure on a pallet.

![Fig. 13](image3.png)  
Fig. 13  

17.) Write boldly on both boxes the RETURN AUTHORIZATION NUMBER previously assigned to the return of your instrument.

PLEASE CALL SERVICE DEPARTMENT IF FURTHER CLARIFICATION IS REQUIRED.