This procedure will cover the steps to properly pack up the DMTA for shipment.

**Packing Materials Provided:**
- Complete shipping foam (6 pieces)
- 2 Shipping cartons

**Misc. Items Required:**
- Shipping skid

**Tools Required:**
- Complete set Metric Allen keys
- Heavy-duty tape
- Strapping kit

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

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 (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 (Figure 3).

14.) Insert the bottom foam into the boxes (Figure 4).
At this point the task requires 2 persons

15.) Carry the Electronics box and carefully place it on top of the foam in carton (Figure 5).

16.) Place outside shipping carton over instrument and install the 4 clips to hold carton together (Figure 6).

17.) Place 2 top foams on the Electronics box. Ensure that the foam seats properly. (Figure 7).
18.) 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)

19.) Seal the box with heavy-duty tape and set aside.
20.) 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.
21.) Remove the perforated portion of the top foams to be used for Test Module. Please note the LEFT & RIGHT sides orientation (Figure 11).
22.) Place the 2 foams on the Test Module and ensure that the foams seat properly (Figure 12).
23.) Place outside shipping carton over instrument and install the 4 clips to hold carton together.
24.) Place insert in the box and put any remaining accessories in the box.
25.) Support the items in the insert with foam so that they do not move in transit.
26.) Seal the box with heavy-duty tape.
27.) Strap both boxes tight and secure on a pallet (Figure 13).
28.) Instrument is ready to ship.

*Figure 13*

*TA Instruments strongly recommends using a Motor Freight Carrier!*