PACKING INSTRUCTIONS FOR AR INSTRUMENTS

PACKING MATERIALS:
AR 2000 Part # (250043.003 & 250043.004)
AR500/550 & AR 1000 Part # (250043.002 & 250043.004)

TOOLS REQUIRED:
Complete set of Metric Allen keys
Set of Screw Drivers
Adjustable wrench 8” (200mm) Long
Heavy-duty tape
Cart
Strapping Tool.

NOTE: Observe appropriate safety precautions when packing AR Instruments.

1.) Connect air with the appropriate pressure to AR Instrument.
2.) Disconnect tool from Air Bearing.
3.) Raise Head to about 69,000µm. If it is too low OR too high it may be difficult to pack in a carton.
4.) Switch OFF the Electronics box.
5.) Remove all accessories attached to the Instrument.
   a.) PELTIER OPTION: Shut down the circulator that supplies water to Instrument. Remove two hoses that supply water to Peltier. Carefully blow out remaining water from peltier OR tilt instrument backwards for water to flow out completely.
   b.) ETC OPTION: Loosen screws holding the ETC on the back of AR Instrument. {(Five (5) Screws for AR 1000, 550 & 550) (Four (4) screws for AR 2000)} Hold the ETC handles, open ETC wide and carefully slide up the oven until there is enough space to separate the ETC from AR instrument.
   c.) ASPHALT BATH OPTION: Shut down the circulator that supplies water to the instrument. Remove all hoses connected between circulator and asphalt bath. Remove the Event box on the back of AR Instrument. Save all screws in a plastic bag.
6.) Lock Air Bearing with draw rod and bearing clamp. Ensure that the Air bearing clamp cannot be moved. Use masking tape to hold the clamp to bearing cover.
7.) Mark all cables connected to the AR Instrument.
8.) Disconnect all cables between Test Station and Electronics box.
9.) Disconnect all air hoses on the Instrument and block Air supply orifice immediately to prevent particles accumulating in the air duct.
10.) Insert all cables in a plastic bag. (Figure 1)
11.) Using a cart, move AR Instrument from Laboratory workbench to shipping department. DO NOT HOLD the Bearing when lifting AR Test Station.
12.) Unscrew the feet and put them in a plastic bag. (Figure 1)

13.) Place bottom foams in box Part# (250043.004) as shown in figure 2.

14.) Lift the Test Station and place it gently in the packing box (figure 3).

**DO NOT HOLD the bearing when lifting AR Test Station.**

15.) Guard the bearing with foams as shown in Figure 5.

16.) Remove perforated portion of the bottom foam for Electronics box. (Figure 4)

17.) Place the Electronics box in the carton and cover it with the appropriate foam, as in figure 6.
18.) Insert base support foam in the space between Test Station base and corrugated box. (Figure 6)
19.) Insert packaged cables and Test Station feet into the box.
20.) Fill open spaces with foam. **(DO NOT USE PEANUTS).** This is to ensure that the Instrument does not shift in transit.

21.) Seal the box with heavy-duty tape.
22.) Strap the box tight and secure on a pallet.
23.) Write boldly on the box the RETURN AUTHORIZATION NUMBER previously assigned to the return of your instrument.

PLEASE CALL SERVICE DEPARTMENT IF FURTHER CLARIFICATION IS REQUIRED.