

### ADJUSTMENT OF MIXER BOX PICK-UP.

**NOTE: THE GREATER THE FLOW OF MEDIA FROM THE MIXER BOX TO THE BLAST GUN, THE HIGHER THE RATE OF WEAR OF ALL WEAR PARTS ESPECIALLY MEDIA HOSE, BLAST NOZZLE AND EXHAUST WEAR PLATES.**

**THIS ACTION WILL BE GREATLY EASED BY THE ASSISTANCE OF A SECOND OPERATIVE.**

The setting of the pick-up tube in the mixer box has a large effect on the operating performance of the blast gun and should be carefully adjusted as detailed below. This adjustment varies greatly with the density of the blast media used as denser materials need more air to move them.

The method of setting the pick-up tube applies equally to a mixer box fitted to the base of a Cabinet and to a mixer box fitted to the base/media bin of a Cyclone.

Optimum performance is only achieved when the mixture of air and media going to the blast gun is correct. This is determined by the position of the pick-up tube in the mixer box:

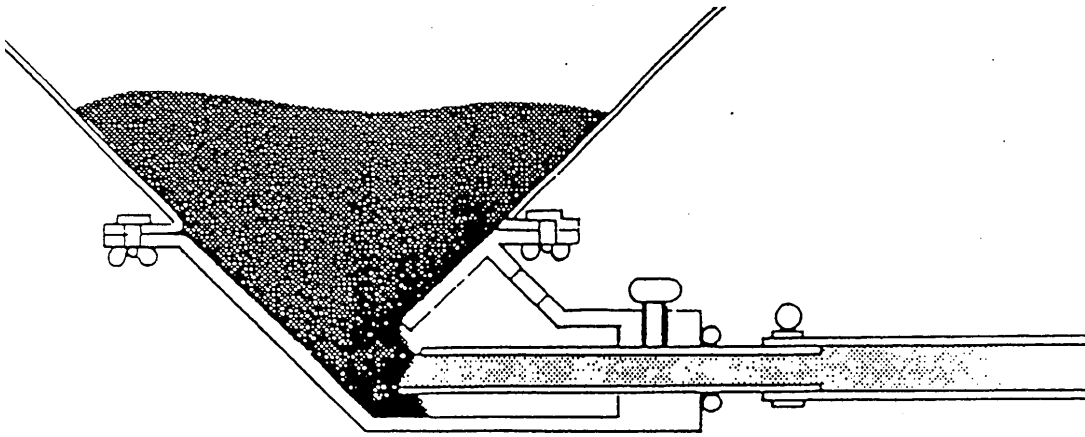
Move the pick-up tube OUT to INCREASE the amount of AIR

Move the pick-up tube IN to DECREASE the amount of AIR

The following procedure should be followed in setting up the pick-up tube:-

- 1 Check that there is a supply of media to the mixer box.
- 2 Check that the media is dry and free-flowing.
- 3 Remove the pick-up tube from the mixer box.
- 4 Operate the blast gun and check the suction at the chamfered opening of the pick-up. If the suction is poor, check the nozzle, air-jet, gun body and media supply hose for wear and/or blockage.
- 5 Insert the pick-up tube into the hole in the mixer box with the chamfer uppermost as shown in the diagram.
- 6 ***With compressed air flowing*** through the blast gun gradually move the pick-up tube further into the hole while listening to (and preferably watching) the media flow from the nozzle. The sound from the blast nozzle will be heard to alter as the media starts to flow from the nozzle. The sound (and the flow) will become erratic if the pick-up tube is moved too far into the media and the tube should be withdrawn until a smooth uniform sound is again obtained; the pick-up tube should then be locked in place with the thumbscrew.

Once set to its optimum position it should not require further adjustment whilst using the same blast media.



**MIXER BOX PICK-UP TUBE ADJUSTMENT**