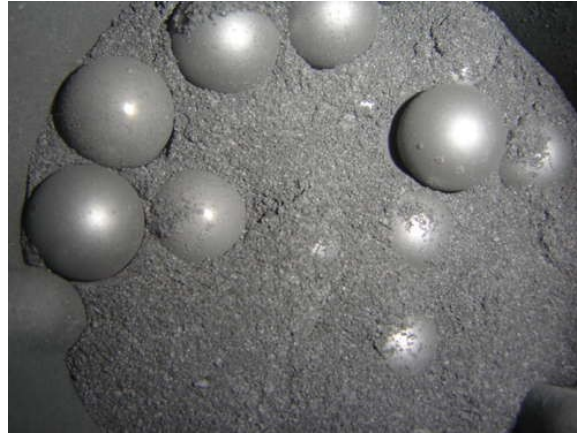


## Aluminum Powder on ULS 48 @44 Micron

This aluminum powder was put in a ULS 48 with a 44 Micron screen. The object of this job is to remove the big chunky beads out of this fine metal powder you see in the picture above. This is considered a “scalping” job in screening terms. After running this extremely fine metal powder



through the ULS 48 @ 44 Micron the results were nearly 100 percent efficient allowing our screening supplier an increase in their profits. The less than one % of oversize particles discharge is put into a separate drum and returned to the screening supplier for use in other products.

### Aluminum Hazards



Aluminum is used for many purposes but in this case its used for rocket fuel. This fine metal powder is actually a very powerful substance that can send a 3 million kilogram rocket ship into space. The Space Shuttle burns over 400,000 LBS of aluminum powder in the first 2 minutes of launch. You can imagine the hazards a material such as this has. Considering the fact that this metal powder is explosive, it was run under a nitrogen blanket. We even had to remove all potential static electricity sources. Elcan’s facility floor has been painted with a static-resistant paint and installed explosion-proof motors as well as nitrogen tanks and other necessary equipment.

325 Waverly Ave Mamaroneck NY 10543  
 TEL: (914) 381- 7500  
 FAX: (914) 381- 8500  
 sales@virto-elcan.com

**VIRTO/ELCAN**