

3/8 - 1/2 - 3/4

check thickness
with Micrometer

[Redacted]

[Redacted]

Dear [Redacted]:

Subject: Aluminum and Plastic
Separations Test,
Our No. S-73-17

Under separate cover we are sending five packages of ground aluminum with plastic and cardboard mixed. Samples 1, 2 and 3 are from our V-135 Gravity Separator, and illustrates the degree of separation which we can expect. Sample No. 4 represents a separation made by floating the light material off in a stream of water. Sample No. 5 represents a virgin sample as it was received from the grinder.

We trust this information is sufficient for your immediate needs, however, if you have any further questions, please do not hesitate to contact us.

Per our telephone conversation of March 23, we will be looking forward to additional samples which you are sending us. These samples will be pre-ground and ready for our processing on the Gravity Separator.

Very sincerely yours,

TRIPLE/S DYNAMICS SUTTON, INC.

[Redacted]

reg

[Handwritten signature]

LABORATORY TEST REPORT

██████████
████████████████████
██
TEST NO: S-73-17

DATE OF TEST: ██████████

PURPOSE: To separate plastic and paper from ground aluminum

TEST PROCEDURE:

STEP #1: The Aluminum Scrap, as received, in varying size strips with plastic and paper sandwiched between was hand fed into the 24" Granulator.

STEP #2: The ground product was fed onto the V-135A Laboratory Model Gravity Separator at the rate of 7 lbs. in 2 minutes (224 lbs./hr.) and the following samples collected.

Sample #1 (6 Lbs. 2 Ozs.) was taken from the heavy end of the Separator and contained pure aluminum.

Sample #3 was taken from the light end of the Separator and contained almost 100% paper with a sprinkling of very fine aluminum, and an occasional 1/4" piece.

Sample #2 was a middling cut which contained approximately equal portions of aluminum and paper.

CONCLUSIONS: The Gravity Separator will separate the ground aluminum, paper and plastics and concentrate the stream into three fractions, one containing pure aluminum, one containing almost pure paper and one containing a mixture of aluminum and paper. The percentage of aluminum or paper in each fraction can be varied by adjusting the cutting fingers and taking the cuts from different points along the deck.

In order to process 1,500 to 2,000 pounds per hour of this material, it would require a BX-250 Gravity Separator which has a production capacity ten times that of the V-135A.

By _____