



SOLUTION



Compass All (En)Compassing Solution:

Engineering:

1. Contacted scrap recyclers to determine how to maximize scrap value.
2. Set goal of 95% scrap purity and greater scrap density.
3. Took precise laser measurements throughout plant.
4. Developed 3D design of system in plant.
5. Designed complete system to handle 4 additional press lines for cost-effective future expansion.

Fabrication:

1. All cutting, welding and painting done in our plant. Sourced key components and integrated into our system.
2. Staged system sections with components, conveyors and pneumatic tubing in our plant before shipment.
3. Controls programmed at Compass and de-bugged before shipment.
4. Delivered more than 17 tractor trailer loads of equipment within 5 months of engineering completion.

Installation:

1. Compass erection and electronics crews fully installed and tested system within 3 months.

OUTCOME:

1. System has operated for over 15 years with minimum maintenance.

2. Over 18 month audit period:

- 1** 8 million lbs of aluminum scrap ran through system. **2** Labor savings: \$960k per year. **3** Trucking & scrap handling savings: Reduced costs by more than 50%.