

Design Matrix

<i>Criteria</i>	<i>Weight</i>	<i>Mass Spectrometer</i>	<i>Hardness</i>	<i>Spectroscopy</i>	<i>Chemical</i>
Separate Alloyed Steel From Scrap	0.35	4	2	5	3
Scrap Cycle Management	0.05	0	0	0	0
Avoid Off-Chemistry Heat	0.35	4	4	4	5
Material Usage	0.05	3	2	4	1
Energy Usage	0.2	1	3	2	2
Total		3.15	2.8	3.75	3.25

- Scrap Cycle Management – o's across the board
- Focus on Separation to achieve Off-Chemistry requirement
- Accuracy & Efficiency prioritized