



Accelerated Raw Material Blending Training

(Combination of two courses: Aluminum Essentials & Blending Architecture Course)

Total Course Duration: 6 hours

Who Should Attend: Production Scheduling, Raw Material Purchasing, Blending, Melting, Operations and any other employees who are involved in raw materials.

Prerequisites: Basic technical mathematics.

Combined Course Outline:

Aluminum Essentials Course

1. Aluminum History
 - a. Facts
 - b. Key dates
2. Aluminum Processing
 - a. Ore to Aluminum
 - b. Cast, Wrought, Powder
3. Safety
 - a. PPE
 - b. Scrap inspection
 - c. Safe charging practices
4. Raw Material
 - a. Forms
 - b. Costs, Melt loss, Melt rate
 - c. Recovery impact
5. Wrought Alloy Classifications
 - a. 1XXX, 2XXX, 3XXX, ... 9XXX
 - b. Alloying elements
6. Dross and Skimming
 - a. What is dross
 - b. Fluxing
 - c. Dross true cost
 - d. Dross processing

Blending Architecture Course

1. Raw Material Blending Advantages
 - a. Areas to make money
 - b. Blending vs. Mixing
2. Blending Overview
 - a. Types of Blending Charges
 - b. Goals
 - c. Variables
3. Blending Methods
 - a. Heel Swinging
 - b. Points
 - c. Absorption
 - d. Weighted Average
 - e. Interpolation
 - f. Blending Program
4. 4. Blending Exercises

Blending for Professionals

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