# WPD Head Encoder SOP

Marshalls – Quality Protocols – WPD Head Encoder – V.1

Purpose:  
To be used as a training document for the use of Encoders within Wet Pressing.

Contents:  
1. What is a head encoder?  
2. How it operates  
3. How it works  
4. Benefits over press time  
5. HMI main page overview  
6. Graph page usage  
7. Activation instructions  
8. Reading the graph – examples  
9. Troubleshooting

Summary:  
The encoder measures head movement over time based on operator input for scan rate and distance. It ensures density consistency, highlights mix/moisture issues, filter condition, and helps benchmark mix designs.

Encoder HMI includes:  
- Scan rate and travel distance inputs  
- Graph page with adjustable Y-axis  
- Flat line time setting  
- Density indicator (red/green)

Troubleshooting examples:  
- Soft units = adjust mix/moisture  
- Excessive press time = check filter condition or WTO system