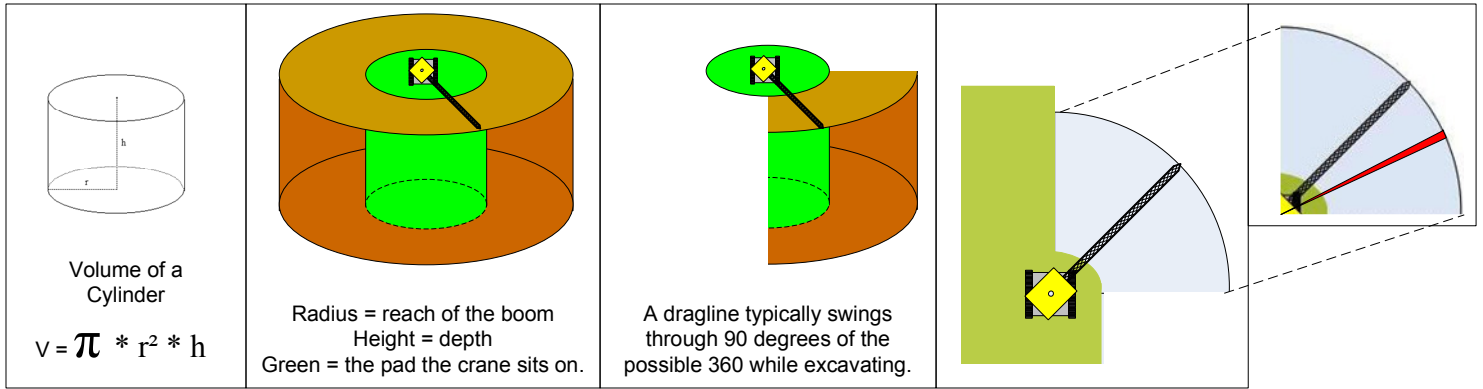
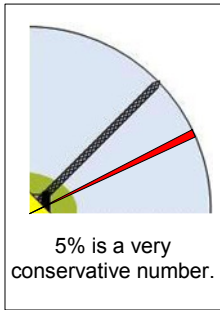


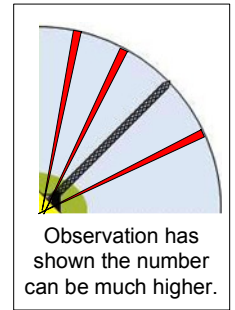
## Dragline Monitor and Boom Monitor - Return on Investment Statement



The images above are provided to give you a visual reference showing an area of material which a dragline crane can reach from a given position. Typically a dragline will follow a cut line and rotate out to a maximum of 90 degrees. This area of reach is represented in the third, fourth, and fifth images. In the last image, a red wedge is visible.



The red wedge in the images is an example of a “slice” of the available material which might be missed due to digging being directed by operator memory and eyesight. We’ll say that wedge is only 5% of the possible material which can be excavated in any given area along a cut line. This material can be missed because the operator is returning the dragline’s boom and bucket to a location they believe they had just recently dug from – when in reality the location is anywhere from a few feet to a few yards away. This hit-and-miss approach to excavation causes material to be left behind.



One of the many benefits which can be realized by adding the LAS Dragline Monitor to your crane is that the dragline’s boom is represented on the screen for the operator to view. A button is available on the screen which allows the operator to mark the current position of the boom. When the operator takes their current bucket to the pile and then returns to dig again, they can use the real-time feedback of the boom’s position to return to where they had recently dug. No guessing is involved, and there is no need for lining up with a landmark. By using the LAS Dragline Monitor, you can minimize the amount of material left behind due to subjective human memory and eyesight. Using our system at night allows the dragline operators to be far more productive because they can track their progress on the screen rather than swinging in the dark. Imagine how much your productivity can increase!

The LAS Dragline Monitor system is easily installed and can be effective on dragline cranes ranging from the smallest to the largest. More material excavated means more income for your site. Depending on the size of your dragline crane, the system can pay for itself very quickly by increasing your site’s productivity and efficiency. Below is a table listing average dragline boom lengths, the potential material available, a conservative 50% availability value, and the tonnage which can be gained by using the LAS Dragline Monitor.

| Boom Length | Average Depth | Volume of Material Available | Conservative (50%) Volume Estimate | 5% of Conservative Estimate (the recovered slice) |
|-------------|---------------|------------------------------|------------------------------------|---|
| 70'         | 40'           | 29,603 Tons                  | 14,801 Tons                        | 740 Tons  |
| 100'        | 50'           | 88,357 Tons                  | 44,178 Tons                        | 2,208 Tons  |
| 150'        | 60'           | 257,066 Tons                 | 128,533 Tons                       | 6,426 Tons  |

Combine this increase in processed material plus the time and cost savings your site will recognize from utilizing the production line display option and you have a win-win situation. **Use the Dragline Monitor systems provided by LogicAll Solutions to help maximize the amount of material your dragline excavates.**

**Contact us today for a quotation.**