



## Crankshaft Handling Made Easy

### Features and Benefits

Improved operator Safety

Increased Productivity

Precise Fitting of Part

Reduced part damage

**Industry Group:** Monorail Manufacturers Association, Inc. (MMA)



*The operators were immediately excited about how easily and accurately the part could be handled.*

### Overview of what was accomplished.

Installing 45 lb. crankshafts into an engine block requires gentle handling and precision. The crankshaft has to be removed from the racks and placed very carefully in the engine block on the conveyer; otherwise the support bearing can be damaged.

The equipment selected for this task was an Enclosed Track Crane System & “smart” Balancer. The design features of the track allow the crane to be moved with minimum effort into the exact position required.

The electronic controls of the Balancer and special handforce-sensing handle allow for fast, efficient pick up of the crankshaft. Once the part is safely secured and lifted from the rack, the balancer automatically switches into “float” mode. This allows the operator to safely and precisely set the crankshaft using both hands.

### Wrap Up.

By greatly improving the precision of this operation, the quality of the end product was improved.



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