**MILLARD SideKick™ – Classifier Line – Loin Auto Scaling**

**Problem:**

An industry leading Pork Processor needed a faster, safer, automated line to sort Pork Loins while improving sanitation and providing a cost reduction.

*Note: This concept can be modified to fit Ham, Rib, and Belly lines too.*

- The current classifier line was a “Bottleneck Process” where they could not weigh and sort Loin cuts fast enough by hand
- Safety Issue: Lifting and twisting motions required to move Loins (17-24lbs/each)
- Unreliable accuracy of loin weight due to hurried manual processing
- Standard production time was not available for modifying and troubleshooting this process. Replacement process testing and troubleshooting had to be done offline.

**Solution:**

Millard designed and developed an innovative new machine, the MILLARD SideKick™, and then integrated it into a dual-lane Classifier Line that automatically weighs, measures, and sorts Pork Loins at higher speeds.

- R&D driven custom designed SideKick™ using a new air clutch for reliability and torque
- Food Safety: “In-House” Passivation for Sanitary durability
- Safety Guarding on all pinch points and moving parts
- Sanitary wash-down design
- (2) separate lines with (3) SideKicks™ per line in series
- Scale Conveyor with integrated load cells for weighing the Loins on each line prior to the SideKicks™
- Integrated with MMC sanitary conveyor lines
- Walk-over stairs and platform between the SideKicks™ with fiber plate steps
- Factory Acceptance Testing (F.A.T.) at MMC for both mechanical and electrical functions including programming parameters
  - Allen Bradley logic
  - (4) customer personnel on site
  - Actual meat products (loins) used in testing
  - 2-day run off
- Heavy Duty Stainless Steel Construction

**Results:**

- Increased line capacity from 2,400 to 3,000 pcs/hr
- Increased yields from proper product mix
- Increased Productivity on Boning Lines and Special Make Lines
- Reduction in Manpower of 4-5 personnel over 2-shift operation
- Food Safety: Increased sanitation by reducing human handling
- Established reliable traceability by weight of Loins
- Factory Acceptance Testing (F.A.T.) and programming allowed the line to be installed over two weekends with little to no downtime incurred by customer

Millard Manufacturing is ready to help you make your project a success. Give us a call today!