Uchiyama MFG America LLC
494 Arrington Bridge Rd, Goldsboro NC, 27530

Established 1898 – Cork Products
Manufacturing plants in Japan, USA, Portugal, Vietnam, China, and expanding to Mexico.
Sales Offices – Japan, USA, Germany, Thailand, China, India, Mexico, Paraguay

Manufacturer of automotive Gaskets, Hub Seals, and Anti-Lock Brake Components
Environmental Steward

• Our Journey

  • Opened in Goldsboro in 1996
  • ISO 14001 certified in Oct 2003
  • In 2013 - Full time Safety and Environment
  • Certified to the 2015 standard in May 2017
Unknowing Environmental Projects

Old

- BUR
  - Countless Leaks
  - Hundreds of man hours
  - Equipment Downtime
  - Heating R-value 8.89
  - Cooling R-value 9.88

New

- Thermo Plastic Polyolefin (TPO)
  - 2” Insulation
  - 20 Year warranty (minor MX)
  - No Equip Downtime
  - Heating R-Value 19.13
  - Cooling R-Value 21.32
  - Cost $319K
LED Lighting

400 W Metallic Halide Hi Bays
• 119 Hi bays & 64 8’Flourescent
• 55,792 KWH
• Office, bathrooms, Labs, Docks
• Parking lots and Wall Packs
• OCC Sensors

250 W LED Hi Bays
• 153 Hi bays
• 38,250 KWH
• $158K and growing
Compressed Air

U-Configuration

• Four Compressors
  • Available HP 215
  • 120 PSI down to 90 PSI
  • Loaded run time
    • 85-95% of operation time

Loop Configuration

• Four Compressors
  • Available HP 285
  • 95 PSI down to 78 PSI
  • Loaded run time
    • Regulated by controllers

• Project Cost $95K
Energy Reduction Benefits

Prior to Implementation
FY2014 Annual KWH usage 9,321,400

Post Implementation
FY2017 Annual KWH Usage 6,005,600
36% reduction straightline
Normalized Data is 33% reduction
FY2018 currently at 14% reduction
Reduce Rubber Waste

**Target**
- Raw Material waste reduction by 50%
- 2015 $14,612
- 2016 $5,853
- 2016 Rubber to landfill 216.08 Tons

**Results**
- Improved Efficiencies
  - Work Instructions
  - QA Checks
- 2017 $13,988
- 2017 Rubber to landfill 130.37 Tons
2018 Goals and Beyond

VEO = 0

Energy Reduction > 2%
Reduce Rubber Waste ZWTL by Dec 2022