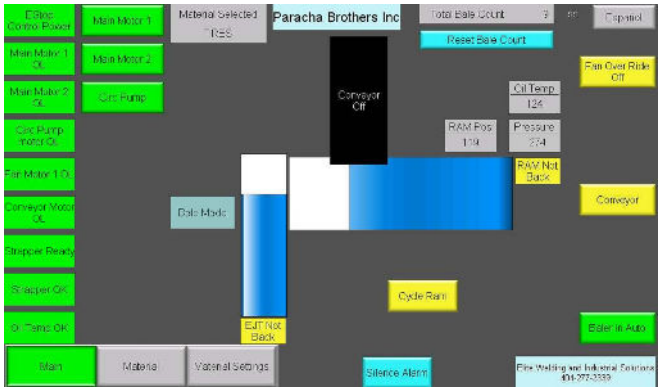
Industrial Controls

ControlRetrofits
CustomPLCProgramming
EmergencyService

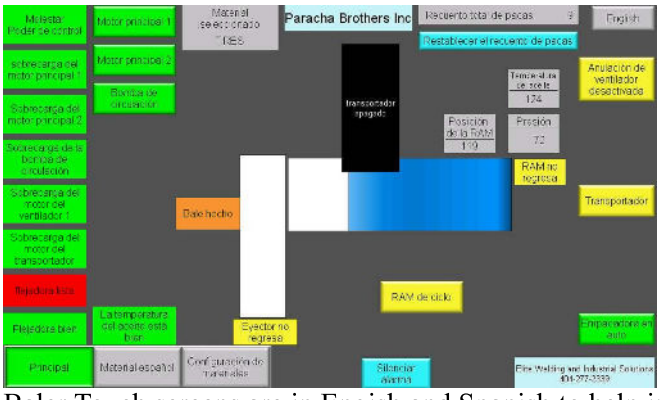
Recycling Automation Integration

- Recycling Equipment, MRF Systems
- Balers, Shredders, Shears, Presses, Compactors
- Disk Screens, Polishing Screens, Ballistic Separators
- Trammels, Bounce Belts
- Conveyor Systems & Sequencing
- Real Time Data Reporting



PLC protion of an 80 motor system for a MRF

With our custom PLC programming and touch screen programming we can make a system that operates the way you think and give you the real time data you need to operate your business.



Baler Touch screens are in Engish and Spanish to help increase understanding and productivity.

Baler Control Panel After an on-site electrical upgrade

Absolute Minimum ROI of Baler Full Electrical Upgrade

An extra 2 bales every day of Steel the ROI would be 122 days.
An extra 2 bales every day of Aluminum the ROI would be 17 days.
An extra 2 bales every day of OCC Cardboard the ROI would be 211 days.
An extra 2 bales every day of #1 PET the ROI would be 69 days.

This is based on a Full PLC upgrade and 1000 pound bales at current market prices for:
Aluminum (.88 / Pound). Steel (305 / Gross Ton), OCC (142.50 / Ton), #1 PET (.22 / Pound)

We have actually had customers tell us that after the Full Electrical Upgrade they have made as many bales in one day that use to take them 3 days to make.

What is included in a Baler Full Electrical Upgrade

1. New Automation Direct PLC with interposing output relays (32 output points, 32 input points, 8 analog inputs)
2. New Pressure and Temperature Transducer
3. Automation Direct Touch screen for control station
4. New Estop, key switch and control power on button for control panel
5. New joystick for Gathering ram and Ejector ram manual control
6. 4 New Push buttons for manual bale door, ram to bale position, throw strap
7. 3 Lasers for Gathering ram, Ejector ram, and baler door
8. 2 photo eyes for baler hopper (low eye and high eye)
9. Remote access device for support

What is included in the Baler Program and Control upgrade using existing PLC (Must be Allen Bradley or Automation Direct)

1. New Pressure and Temperature Transducer
2. Automation Direct Touch screen for control station
3. New Estop, key switch and control power on button for control panel
4. New joystick for Gathering ram and Ejector ram manual control
5. 4 New Push buttons for manual bale door, ram to bale position, throw strap
6. 3 Lasers for Gathering ram, Ejector ram, and baler door
7. 2 photo eyes for baler hopper (low eye and high eye)
8. Remote access device for support

Program upgrades to exiting balers can be done if the following requirements are met:

1. PLC is Allen Bradley or Automation Direct (If not present Full PLC and Control upgrade needed)
2. System has a 4-20 ma Pressure Transducer and 4 - 20 ma Temperature Transducer
3. System uses lasers for gathering ram, ejector ram and bale door

What is inculded in the Baler Program upgrade

1. Automation Direct Touch screen for control station
2. Remote access device for support

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