Sustainable Manufacturing

HUNTER INDUSTRIES
Built on Innovation®

December 2019
Design and Innovation

Meet the HP-48, the First Paver Light from FX Luminaire

New Dark Slat Finish Complements a Range of Applications.

Latest and Greatest

IDEAS

modulating PWM for more steps or more colours

modulating PWM for more steps or more colours

Basically modulate on top of the PWM signal going into the driver chip for example if you had to go from 10% to 20% and based on the micro capacitor was it able to do 10 PWM. Read more

George Thukath Under Review 9/26/2019

HUNTER INDUSTRIES
Built on Innovation®
Design and Innovation: Design Process
Design and Innovation: Materials
Design and Innovation: Low Impact Design
Design and Innovation: End of Life
Tooling and Manufacturing
Tooling and Manufacturing: Efficacy
Tooling and Manufacturing: Efficacy
Tooling and Manufacturing: Efficacy
Tooling and Manufacturing: Waste
Resources: Consumption
Resources: Measure and Manage
Resources: Measure and Manage

Energy Cons Vs Material Vs Baseline

Hunter Industries

HUNTER INDUSTRIES
Built on Innovation
Resources: Employees / Social Governance
Quality Control
Transportation

We proudly offer UPS carbon neutral shipments

ups.com/ carbonneutral
Value Chain

Supply → Manufacturing → Distribution → End User
Green Infrastructure
Green Infrastructure: Community
Green Infrastructure: Environment
Green Infrastructure: Economy
These Cities Are Replacing The Worst Kind Of Infrastructure With The Best

R.I.P. parking lots.
Green Infrastructure: Irrigation
Green Infrastructure: Balance Inputs and Outputs
Resource Efficiency
Focus on dis Abilities
Inspiration & Investment

CJ Garcia

Tony & Mary Fagnant
Solve Two Problems...

**Wasted Talent:** Of the 50 million people in the U.S. with a disability, less than 20% are participating in the labor force.

**Wasted Resources:** Of the 20-50 million tons of e-waste produced globally each year, less than 13% is recycled.

*Bureau of Labor Statistics, 2014*
**US News & World Report, 2014**
With one solution...

Ethically recycle electronics to create local jobs for people with autism and other disabilities.
A New Approach

- Financially self-sustainable nonprofit
  No dependence on outside funding

- Asset vs. deficit-based employment model
  Reduces taxpayer burden

- Transforms waste into community benefit
  Produces triple-bottom line impact
Impact To Date

Permanent employment for 40 people with disabilities

20 million lbs. of e-waste recycled

2018: $2.5 million in SROI ($2.65 return on every $1.00)

*As of July 1 2017
Workforce Advantage

- Less than 20% annual employee turnover
- Zero absenteeism
- Zero lost-time accidents
- 98% on-the-clock task engagement

"If I did not have my work, I would not have my life."

Temple Grandin
Workforce Development Partnership

Cherry Creek Schools - Aurora, CO
Vocational Training/Bridge to Employment Program established 2014
All school district e-waste is sent to program and ultimately recycled by BSR
Students acquire and demonstrate skills for permanent employment with Blue Star
Win-Win-Win:
✓ BSR gets a qualified and trained employee
✓ Student has opportunity for first real job
✓ School District and taxpayer costs reduced

Kian Phair Age 18 – 2014
Transitions Program Student

Kian Phair Age 22 – 2018
Recycling Tech/ BSR
Closing The Loop

Consumer

OEM

Certified Downstream Processor

BlueStarRecyclers

Hunter Industries
Built on Innovation
Enterprise & Certifications

- Certified electronics recycling
- Data Destruction
- Computer Refurbishing
- Fluorescent Bulb Recycling
- Recycling events management
Locations:

Current Recycling Operations:

Colorado Springs
Denver
Boulder

2019 Expansion:

Chicagoland, IL
Roaring Fork Valley, CO
Thank you!

www.bluestarrecyclers.org
Value Chain

Supply → Manufacturing → Distribution → End User
Creating partnerships to find solutions
Sharing the story
Creating a Resilient and Sustainable Industry
Sustainable Manufacturing

HUNTER INDUSTRIES
Built on Innovation®

December 2019