



# Bolder Industries

We develop the most sustainable rubber and plastics products in the world.

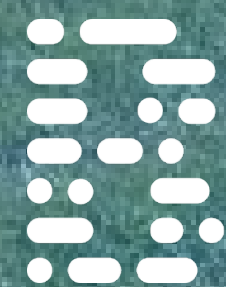
**TONY WIBBELER, CEO**

December 2019



# Vertically Integrated

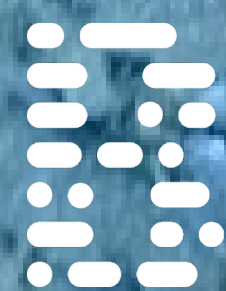
# 24/7/330



**Bolder Industries**



# Whole Tire Shredding



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# Pyrolysis



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# Finishing



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# Oil & Gas



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# BUT

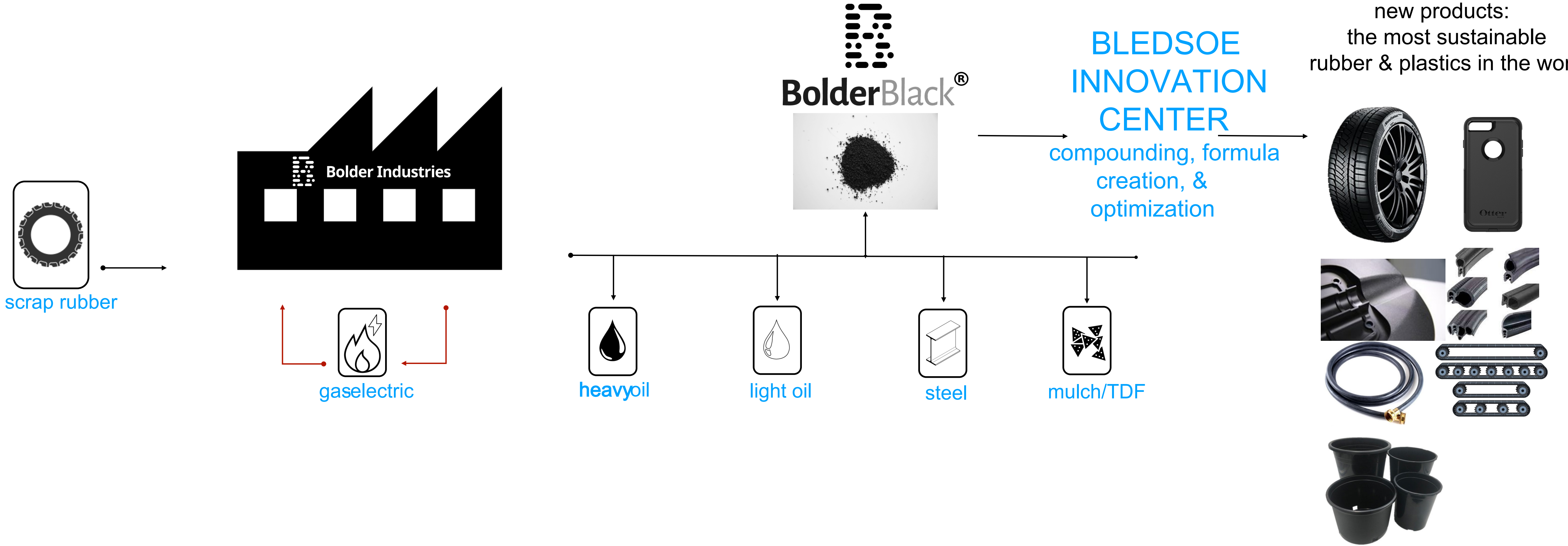
We are not a tire  
pyrolysis company.



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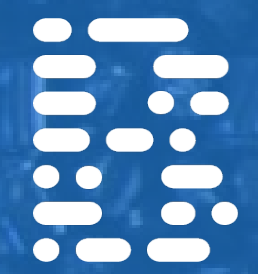
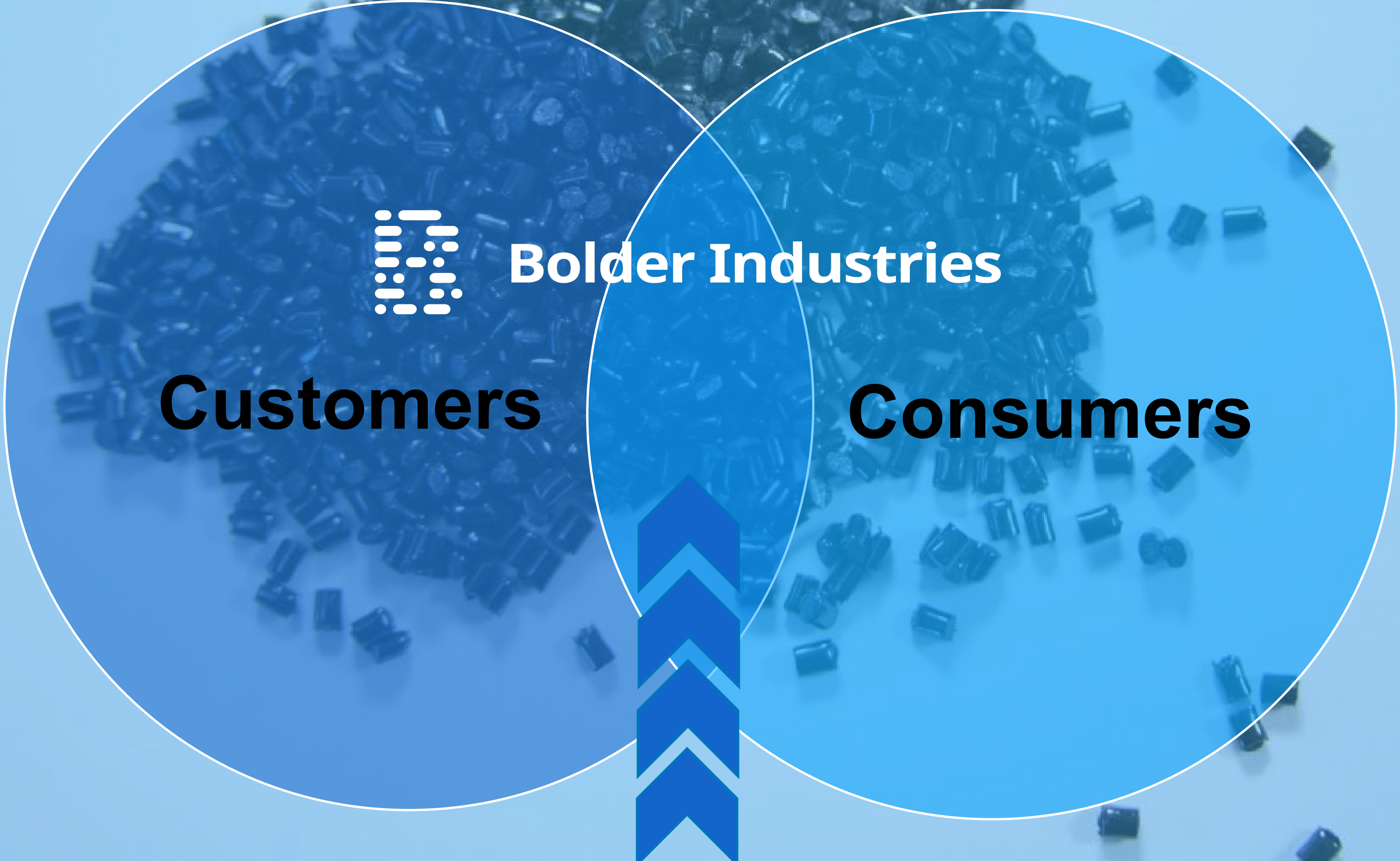
# Bolder Industries Proven Tire Reuse Solution





# Compounding & Masterbatching

Dedicated, fulltime lab doing recipe development with our customers, so they can deliver for their consumers.



**Bolder Industries**

**Customers**

**Consumers**

# ProvenProducts

## INDUSTRIAL RUBBER GOODS

### MOLDED GOODS

Weatherstrip Molding  
HNBR 65 D gasket  
XNBR 65 D gasket  
NBR ASTM seal  
NBR soft roll for solvent resistance  
High Temp Muffler Hanger  
ECO 60 D Motor Mount  
Motor Mounts  
CR 60 D Motor Mount  
IRR Muffler Hanger  
CR 50 D Boot  
CR 60 D Boot  
CR 50 D Ball Joint  
Golf Ball Core  
SBR 60D gasket

### EXTRUDED PRODUCTS

Weatherstrip Extrusion  
General Fuel Hose  
Hydraulic Hose Tube  
Wash Machine Hose, Cold  
Wash Machine Hose, Hot  
NBR Minin Cable  
Belt Sidewall  
Filter seals,  
Pail seals

### CALENDARED GOODS

EPDM Roofing  
High Flex Diaphragm

## PLASTICS

### COLORANTS

Plastic Masterbatch  
Mulch Colorant  
Coatings

### CONSTRUCTION

Drainage Pipe

## COMMERCIAL

### AUTOMOTIVE

Hanger  
ECO 60 D Motor Mount  
Motor Mounts  
CR 60 D Motor Mount  
IRR Muffler Hanger  
CR 50 D Boot  
CR 60 D Boot  
CR 50 D Ball Joint  
Weatherstrip Extrusion  
Weatherstrip Molding  
Belt Sidewall  
NBR soft roll for solvent resistance  
General Fuel Hose  
Body plug  
Door grommet  
Wire harness

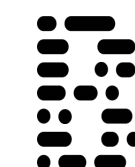
### CONSTRUCTION & AGRICULTURE

EPDM Roofing  
High Flex Diaphragm  
Agriculture Implement  
Pond liner  
Irrigation seal

### APPAREL & GOODS

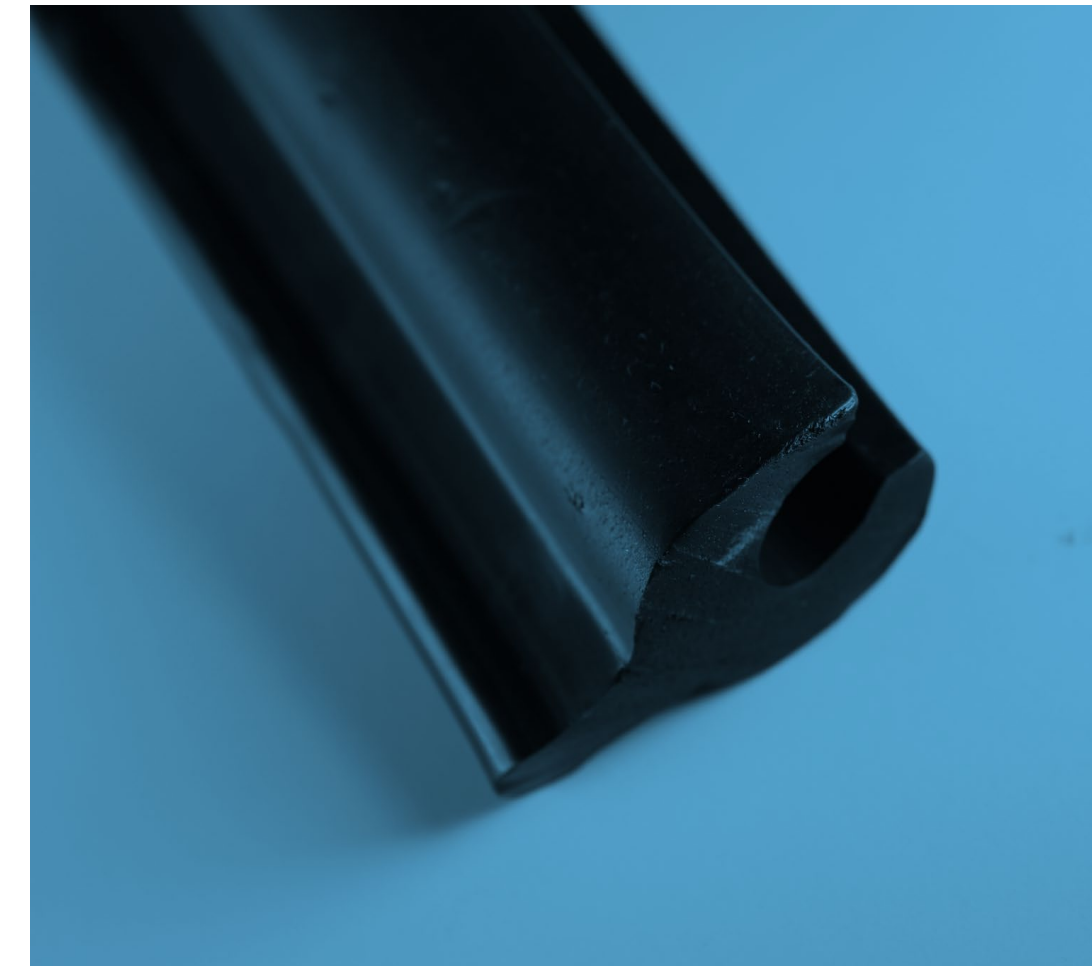
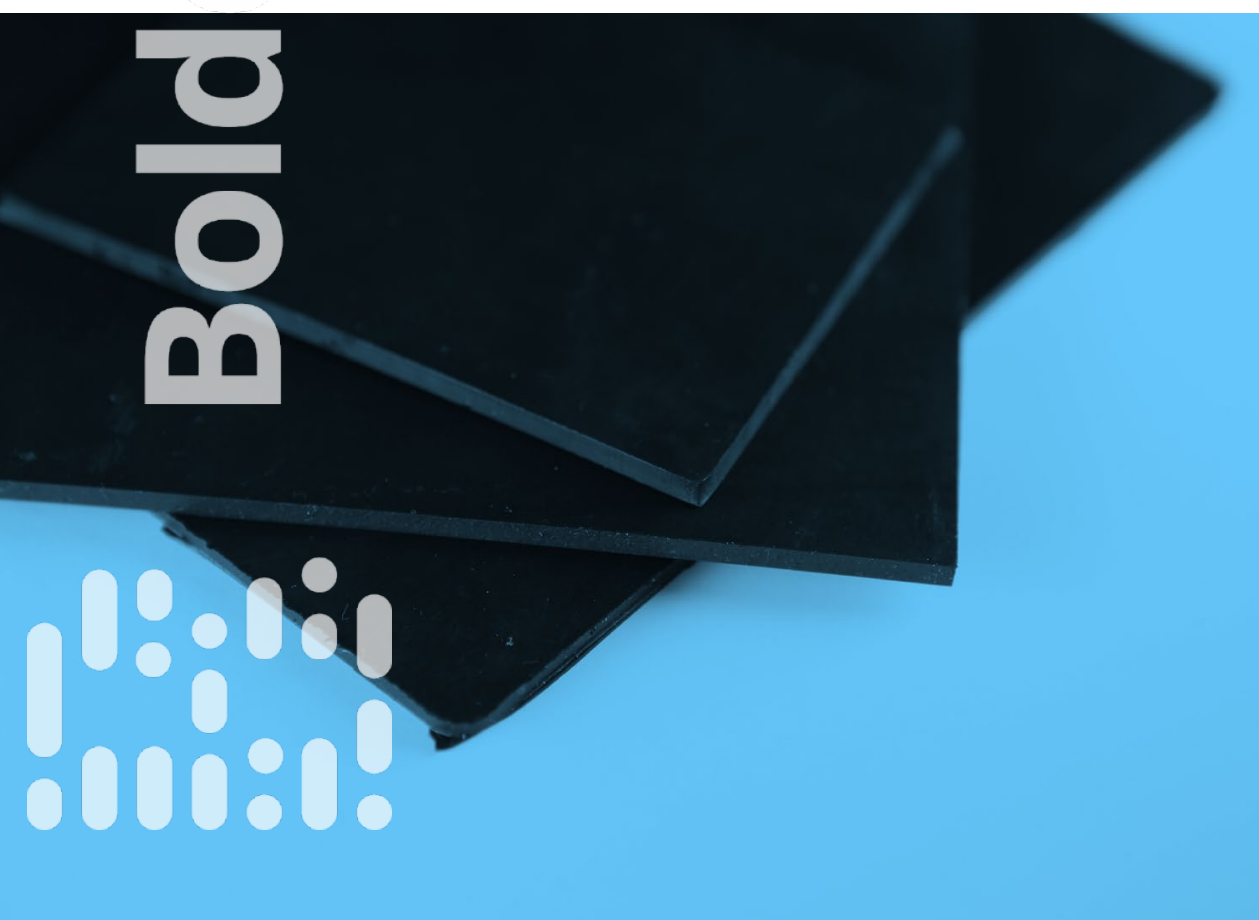
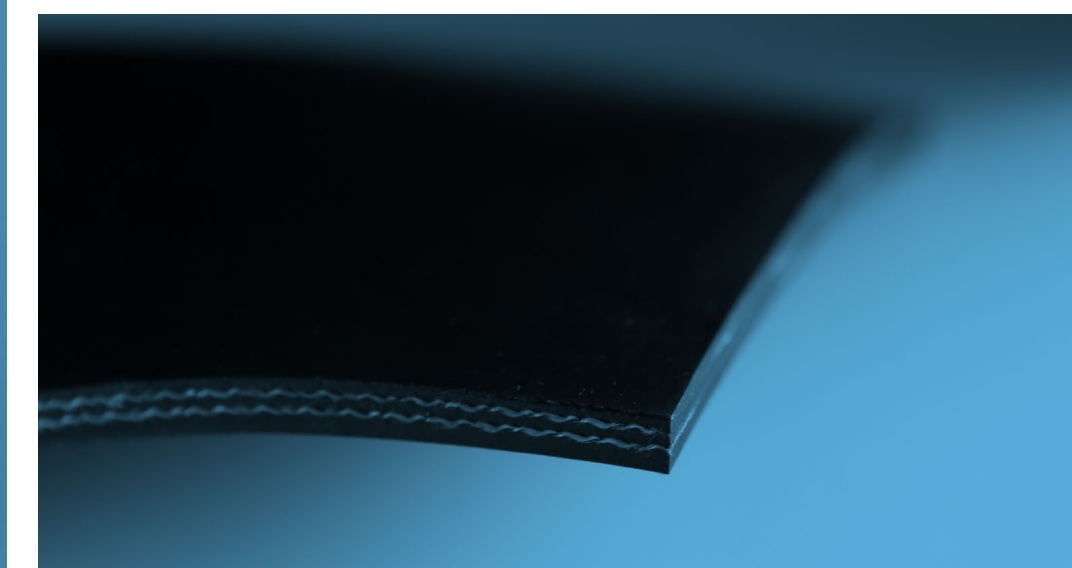
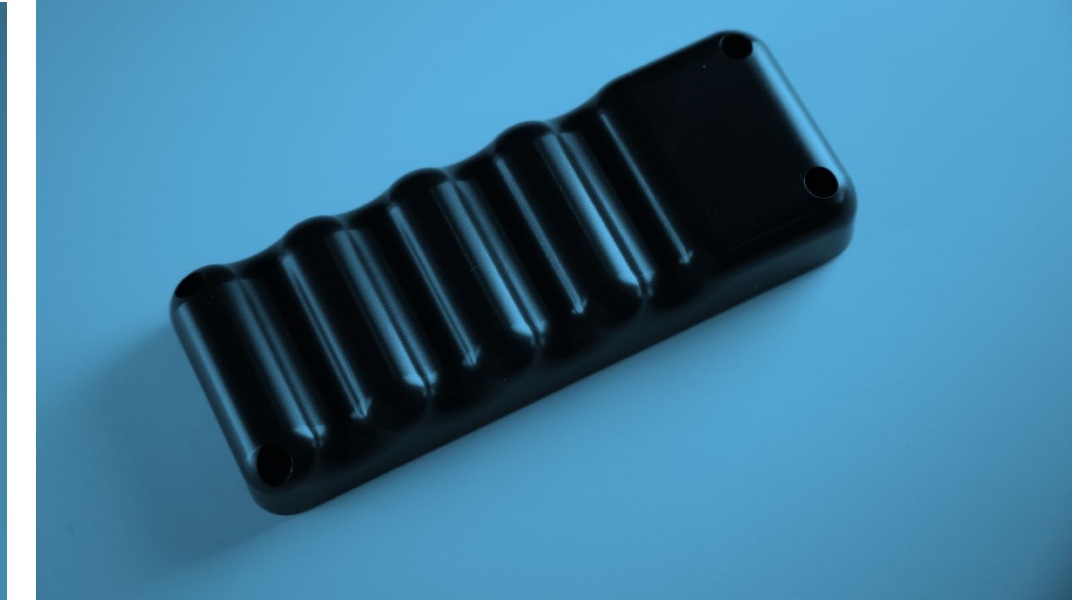
Golf Ball Core  
Mountain bike tires  
Floor mats  
Garden hose

70  
Implemented products using Bolder Black<sup>®</sup>  
as replacement or blend for virgin carbon black.





# ProvenProducts



Bolder Industries

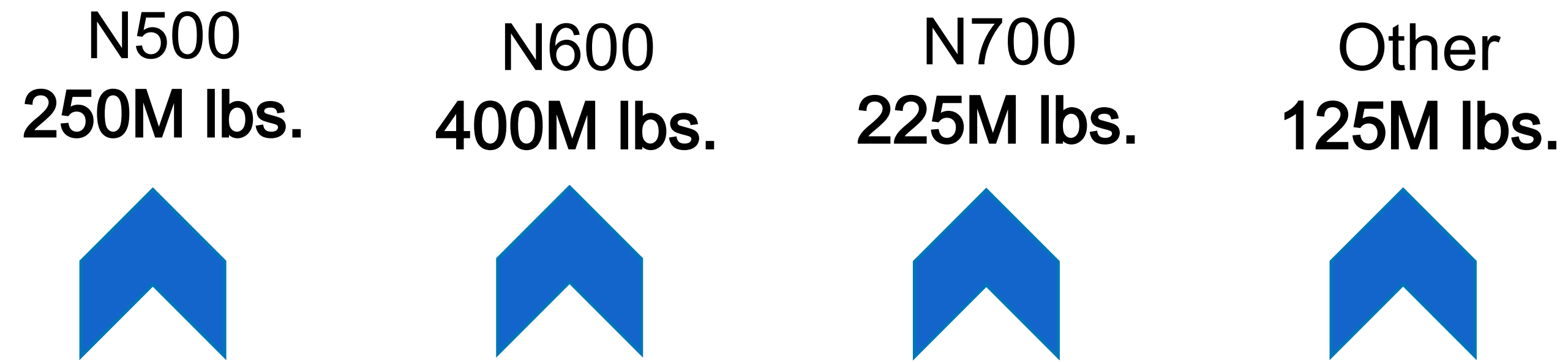




# Annual Addressable Market

Total US Carbon Black Market: 4B pounds

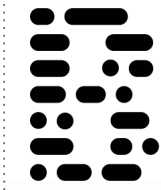
**Addressable CB MARKET: 1B POUNDS**



**Addressable SCRAP TIRE MARKET: 125M TIRES**

Total US Scrap Tire Market: 400M Tires

# Proven Sustainability



**Bolder Industries**

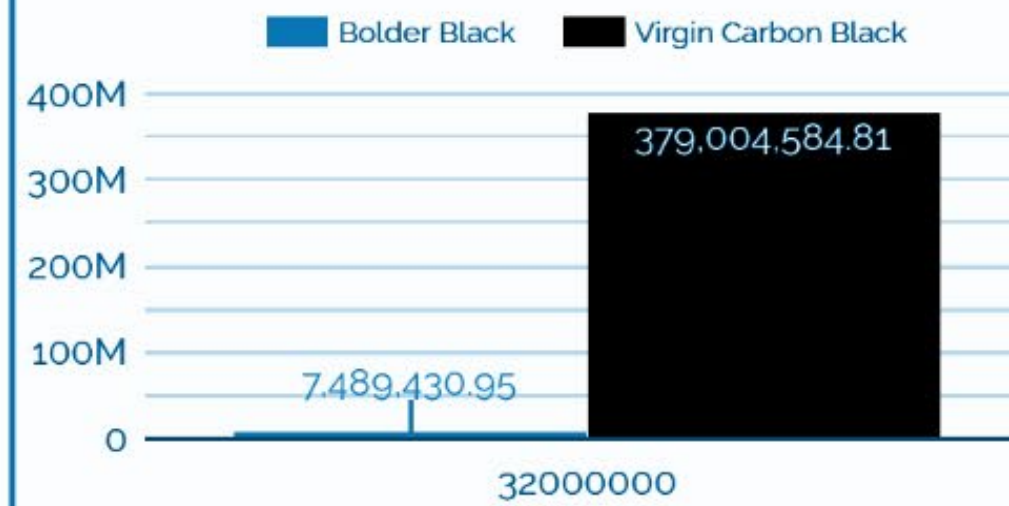
## Environmental Impact Report

Pounds of Bolder Black Purchased **EQUAL TO**

Tires diverted from landfills

**4.7M**

  
Water (gallons) used



**371.5M**

less gallons of water used in the manufacture of Bolder Black

*equivalent to*

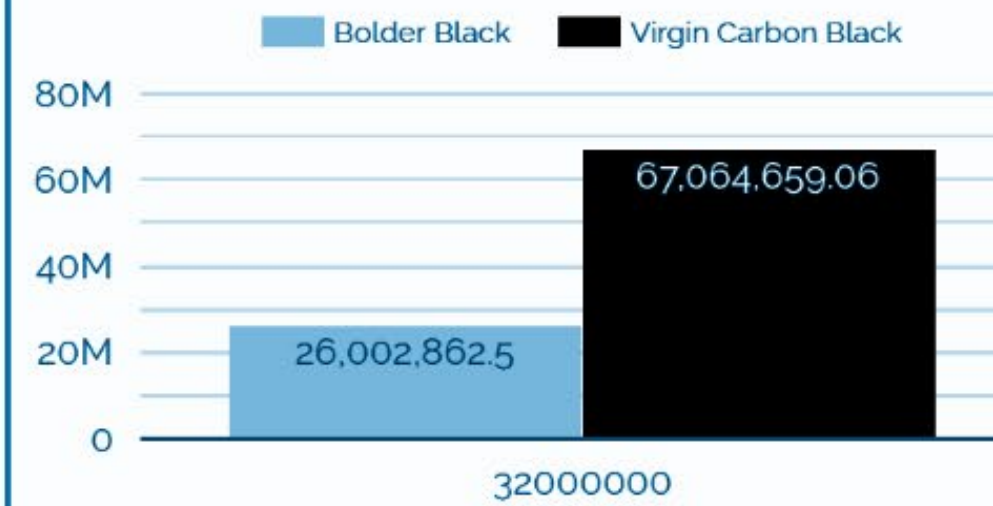
**4.0B**

12 oz fewer water bottles

% less Water used

**98.0%**

  
Electricity (kWh) used



**41.1M**

less kWh of electricity consumed in the manufacture of Bolder Black

*equivalent to*

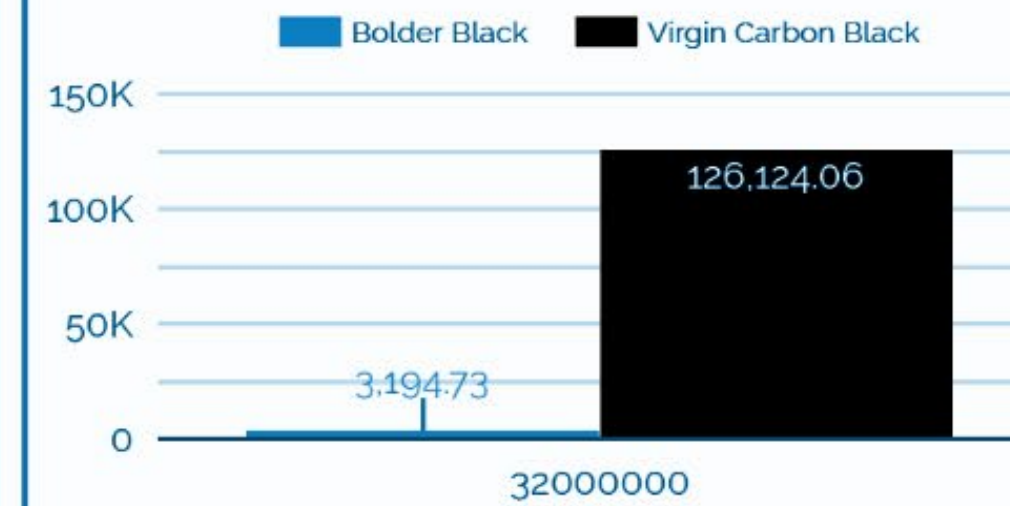
**3.8K**

fewer 4-person U.S. homes of electricity

% less electricity used

**61.2%**

  
CO2 (tons) produced



**122.9K**

less ton of CO2 emitted in the manufacture of Bolder Black

*equivalent to*

**25.3K**

fewer cars on the road

% less CO2e

**97.5%**

\*based on a life-cycle analysis (LCA) performed by Bolder Industries and technically evaluated by ThinkStep.

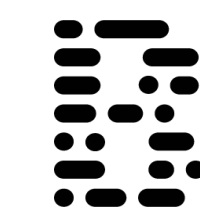


THANK YOU

Bolder Industries

“This is exactly the next step we’ve been looking for”  
Patagonia

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Chief Executive Officer  
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**Bolder Industries**