• World’s largest manufacturer of chainsaw chain and bars.
• We also manufacture lawnmower blades, agricultural attachments and concrete cutting equipment.
• Approximately 4,000 employees worldwide
• Annual revenue just under $1 billion
• 22 manufacturing and distribution facilities located in the U.S., Belgium, Brazil, Canada, China, France, Germany, Russia, Sweden, and the United Kingdom
• HQ in Milwaukie, Oregon
Blount International, Inc.
Blount International, Inc.

Forestry Lawn & Garden

- Oregon

- Carlton

Concrete Cutting & Finishing

- ICS

Farm, Ranch & Agriculture

- Speeco

- Woods

- PBL
Why Be Greener?

Blount’s List

• Cost Savings (Raw material, waste treatment, disposal)
• Safer Workplace
• Risk Mitigation
• Lower Regulatory Burden
• Higher Productivity
• Employee Engagement/Morale
• Positive Recognition
• Consumer Demand
• New Revenue Opportunities
Blount’s EHS Vision

To drive best in class environmental, health and safety performance that delivers sustainable value to our team members, customers, shareholders and communities.

**People**

Blount strives to implement safe and environmentally-responsible business practices to protect our team members and the communities in which we work and live.

**Products**

Blount believes that addressing the safety and environmental aspects of our products is fundamental to Blount’s commitment to our customers.

**Performance**

Blount empowers and enables our team members to develop safety and environmental improvements, continually improving our EHS performance.

**Profits**

Blount knows that our ability to generate sustainable and growing profits depends on continually improving our safety and environmental performance.
Greening Our Footprint

Products

Business Operations

Manufacturing
Products
Business Operations

easy·street
where business lives

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U.S. GREEN BUILDING COUNCIL
LEED SILVER
USGBC

BLOUNT INTERNATIONAL
Green Hierarchy

- Avoidance and Minimisation
- Reuse
- Recycling
- Recovery
- Disposal
Greener Manufacturing
Greener Manufacturing

- 17.1 million kilowatt-hours saved since the beginning of 2010
- That saves about 18.3 million kilowatt-hours in generation
- Approx. 12,600 metric tons of CO₂ (2,656 cars on the road)
Greener Manufacturing – “Zero Waste”
Electro-chemical process

- Objectives – Clean parts for plating and chemically remove material
- Combination of concentrated chemicals and electrical current

Hazardous Chemicals

- 20% mixture hydrochloric acid/water in a 500-gallon tank
- 30% mixture sodium hydroxide/water in a 300-gallon tote
- Lead in 100-pound sheet anodes (~1,400 pounds per year)
- Hydrogen gas byproduct from process
Wastes

- 800,000 gallons per year (3,300 tpy) of acidic, caustic, and lead-contaminated waste water to onsite treatment
  - Largest hazardous waste water stream onsite
  - Largest volume to waste water treatment facility
- ~33% contribution to F006 sludge (22 tpy)
- 21,000 pounds per year (10 tpy) of hazardous waste sludge and other hazardous waste
- Scrubber for treatment of acidic exhaust fumes
Greener Manufacturing – ECM Replacement

- Mechanical ceramic media tumbling operation
- Uses a non-toxic cleaning compound (undiluted pH ~ 9.4)
- Centrifuge for water treatment/recycling
- No ventilation requirement for hazardous fumes/gases
Greener Manufacturing – ECM Replacement

• Eliminated lead, acids, and caustic from a cleaning process
• 6.7 million pounds of lead-contaminated hazardous waste eliminated
• Safer work environment

• EPA Outstanding Partner Award
• EPA Achievement Award
• Oregon Green Chemistry Advisory Group through the Oregon Environmental Council
Greener Manufacturing – Recovery
Green Hierarchy

- Energy Conservation
- Rain Water Harvesting
- ECM Replacement
- Zinc Plating Elimination
- Zero Discharge Plating
- Oil Recovery
- Salt Recovery
- Scrap Metal Recycling
- Plastic Wrap Recycling
- Cardboard Recycling
- Pallet Recycling
- Wastewater Treatment
- Landfill
- Water Discharge
Thank You

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