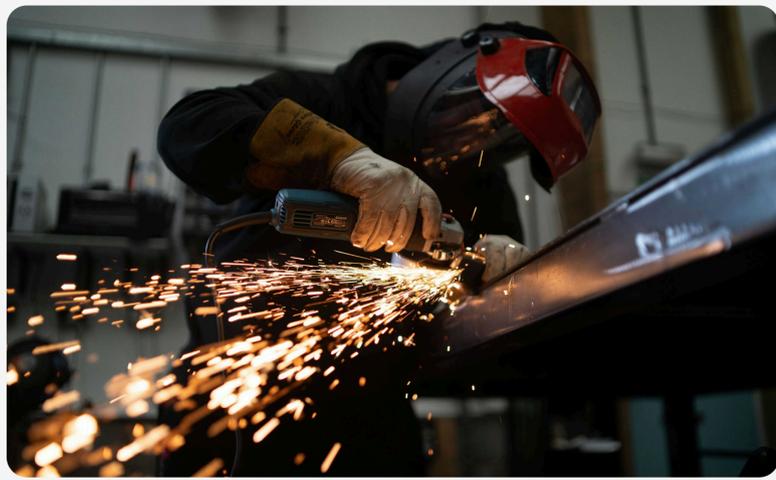


Heavy Machinery Manufacturing

Heavy machinery manufacturing includes industrial equipment, construction vehicles, and mining machinery. The sector has high direct emissions from production and fuel-intensive machinery operation.



Key Challenges

- Carbon-intensive steel and metal production
- High fuel consumption in machine operation and end-of-life emissions
- Adoption of electrification and energy-efficient designs



Greenly's Role

Energy Optimization Tools

Helps manufacturers reduce fuel and energy use.

EF name	EF value	LCA stage
Solar energy	0 ACME	Manufacturing
Hydropower	0.7	Waste
Wind	0.8	EOL
Biomass	0.9	Transport

Circular Economy Integration

Encourages remanufacturing and extended product lifecycles.

-25% emissions

A leading construction equipment manufacturer achieved a 25% emissions reduction by optimizing energy use in production and increasing product recyclability.

Conclusion

Manufacturers can lead the decarbonization transition by leveraging Greenly's expertise in emissions tracking, sustainable sourcing, and regulatory compliance. Through automation and targeted reduction strategies, Greenly helps industrial companies align sustainability with profitability.



Manufacturing a Greener Future Starts Here

The manufacturing industry is a major driver of global emissions—but with the right strategies, businesses can reduce their carbon footprint while staying competitive.

Explore sustainability challenges across transportation, chemicals, and heavy machinery.

Learn how Greenly's automated carbon tracking and compliance support can streamline your decarbonization journey.

See real-world case studies of manufacturers achieving emissions reductions and cost savings.

Ready to transform your operations for a low-carbon future?

[Read the full guide now](#)