

# The best kept secret to U.S. economic growth: **REMANUFACTURING**

**\$53 billion annual sales • Employs 480,000 people**

**Significant contributor to Green House Gas Emission Reduction**

**Conserves 85% of the material & energy used to create new products**

## Annual Energy Saved:

16 million barrels of crude oil = lifetime fuel consumption of 75,000 car owners

## Annual Material Saved:

14 million tons of raw material = enough material to fill a train 1,650 miles long

## Job Creation:

3-5 reman jobs **for every** 1 manufacturing job created

## Product Cost Savings:

Reman 30 - 50% **less than** New price



**CARDONE**  
www.cardone.com

Automotive remanufacturer  
of 35 product lines

## Energy Saved in 2004:

- 2,992 tons of municipal trash recycled into energy
- 760 tons of waste oil recycled into furnace fuel

## Material Saved in 2004:

- 67,500 tons of discarded auto parts remanufactured
- 9,797 tons of scrap metal recycled

## Job Creation:

- One of the largest employers in Philadelphia
- Employs 4,200 people

Sources: Lund, Robert T. 1996. The Remanufacturing Industry: Hidden Giant. Boston: Boston University.  
Steinhilper, Rolf. 1998. Remanufacturing the Ultimate Form of Recycling. Germany: Fraunhofer IRB Verlag