

Reman

the ultimate form of recycling

Economic Benefits of Remanufacturing:

- * The remanufacturing industry directly employs 480,000 people in the United States, producing products such as automobile parts, office furniture, toner cartridges, computers, photocopiers and aircraft parts.
- * 73,000 remanufacturing firms exist, with total annual sales of \$53 billion.
- * Remanufacturing conserves the equivalent of 400 trillion BTU's of energy per year.

400 trillion BTU's equals:

- * 350 tankers of crude oil.
- * Electricity produced by 8 nuclear power plants in one year.

Environmental Benefits of Remanufacturing

Remanufacturing conserves enough worldwide material to fill a train 1,650 miles long.

- * Remanufacturing saves over 80% of the energy that would have been used to produce a new part, reducing an estimated 28 million tons of carbon dioxide a major cause of global warming!

28 million tons of carbon dioxide is equivalent to:

- * The amount of carbon dioxide released by ten 500 Megawatt coal fired electricity generating plants yearly.
- * The same amount of electricity required to operate over 1,000 medium sized university complexes across the nation.

Benefits of Automotive Remanufacturing:

- Automotive parts remanufacturing accounts for \$36 billion a year.
- The cost of a remanufactured automobile part saves consumers 30 - 50% versus a new part.
- The affordability of remanufactured parts extends the productive life of vehicles on the road, keeping them out of junkyards.
- Automotive remanufacturing reduces emissions, since castings are not sent to a smelter to be melted down, consequently losing their value-added form and function.
- Auto part remanufacturing reduces solid waste, by keeping the parts out of landfills.
- Automobiles are the most recyclable products in the world. About 75-85% of vehicle content by weight is currently recycled.

CARDONE's Environmental Awareness:

The very nature of CARDONE's business is an environmentally conscious model. CARDONE restores used automotive parts back to their original equipment quality using only about 15% of the energy needed to build a new part. These parts would otherwise end up in a landfill or scrapped for their raw material value.

CARDONE Industries was awarded the Governor's Award for Environmental Excellence in 2003 and 2007. CARDONE was recognized for exceptional strides in its efforts to protect the environment. Since 1996, the Governor's Award for Environmental Excellence has been presented to Pennsylvania's leaders of innovative green technologies and environmental management. The awards honor individuals, businesses, municipalities and institutions working to benefit Pennsylvania's environment and economy.

In 2008:

The remanufacturing of used parts is not the only area in which CARDONE is environmentally friendly. In addition to the **64,600 tons** of discarded or non-usable auto parts that CARDONE remanufactured, the company also recycled the waste and by-products generated during the remanufacturing process.

- **12,750 tons** of scrap metal was recycled.
- **6,823 tons** of cardboard (product packaging returned with the core) were recycled into new paper products.
- **3,525 tons** of municipal trash were recycled into electrical energy, the equivalent of approximately 1,833,000 Kwh.
- **71,714 gallons** of waste oil recovered from cores and cleaning processes were recycled into fuel.
- **570 tons** of wood skids were sent to a recycler and reused.
- **73 tons** of used stretch wrap were shipped to a plastic converter for reuse/conversion into other plastic products.
- **43,300 gallons** of hydraulic fluid were recovered for reuse.
- **34,712 gallons** of alkaline washer bath were recovered for reuse.
- **68,100 gallons** of stoddard solvent recycled.
- **32 tons** of electronic boards, PC monitors & telecommunications equipment recycled.