



Remanufactured Toner Cartridges – Problems & Solutions

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Remanufactured Toner Cartridge Webcast
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Remanufactured Cartridges



- ▶ Laser, monochrome
- ▶ Used in printers, copiers, & fax machines
- ▶ Ink jet & color laser remans are also available
 - Not covered in RPN purchasing guide

Typical Toner Cartridge



- ▶ OEM manufacturing
 - 5 to 9 lbs of virgin material
 - 3 quarts of oil
- ▶ Final product
 - 3 lbs
 - 40% plastic, 40% metal
 - 20% rubber, foam, paper

Social & Env. Problems



- ▶ Each year 350+ million toner cartridges go to U.S. landfills
- ▶ Remanufacture
 - Reuse core materials
 - Conserve resources
 - Reduce waste
- ▶ Recycle
 - 95% recyclable



Best Practices

1. Remanufacture used cartridges
2. Recycle when remanufacturing is not possible
3. Never throw used cartridges in landfills
4. Consolidate machines to simplify reman purchasing



Cost, Quality, Supply

- ▶ Remans cost 30% to 60% less than OEMs on cost-per-copy basis
 - King County, WA saves \$300k/yr
- ▶ Quality can be ensured through effective contract specs
 - TxDOT for remans, Mass. for equipment
- ▶ Over 2,000 remanufacturers in the United States



Standards

Standardized Test Methods Committee (STMC)



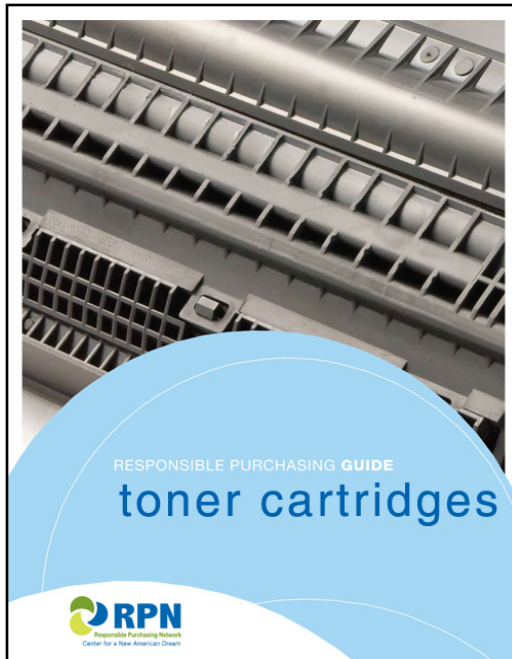
- ▶ Certifies reman vendors
- ▶ Approved quality control measures

EcoLogo - CCD-039



- ▶ Certifies reman products
- ▶ Reman process, quality, and end-of-life

RPN Resources



- ▶ Responsible Purchasing Guide
 - Remanufactured toner cartridges
 - Web-based and PDF format
- ▶ Sections:
 - Social & environmental issues
 - Best practices
 - Cost, quality, & supply
 - Policies, specs, & standards
 - Searchable products database

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