Total Primary Energy, 2010

Manufacturing Energy and Carbon Footprint
Sector: Machinery (NAICS 333)

Total Primary Energy Use: 288 TBtu
Total Combustion Emissions: 16 MMT CO₂e

Energy Use Data Source: 2010 EIA MECS (with adjustments)
Last Revised: February 2014
Notes:
- Sector-wide aggregate data for year 2010
- Energy values rounded to nearest whole number
- Feedstock energy not included
- Offsite generation shown on net basis (purchases, sales, and transfers accounted for)
Manufacturing Energy and Carbon Footprint
Sector: Machinery (NAICS 333)

Onsite Energy Use: 147 TBtu
Onsite Combustion Emissions: 4 MMT CO₂e

Onsite Energy, 2010

Process Energy
- Process Heating: 2.9, 1.5
- Process Cooling and Refrigeration: 0.3, 0.0
- Other Process Uses: 0.6, 0.2
- Electro-Chemical: 0.0, 0.0

Machine Drive
- Pumps: 5.1, 0.1
- Fans: 8.9, 1.8
- Compressed Air: 0.3
- Materials Handling: 0.6, 0.2
- Materials Processing: 0.6, 0.2
- Other Systems: 0.6, 0.2

Nonprocess Energy
- Facility HVAC: 4.3, 1.8
- Facility Lighting: 1.8, 0.0
- Other Facility Support: 0.6, 0.1
- Onsite Transportation: 0.1, 0.1
- Other Nonprocess: 0.2, 0.0

Energy use data source: 2010 EIA MECS (with adjustments)
Last Revised: February 2014
Notes:
- Sector-wide aggregate data for year 2010
- Energy values rounded to nearest whole number
- Feedstock energy not included
- Offsite generation shown on net basis (purchases, sales, and transfers accounted for)

Prepared for the U.S. Department of Energy, Advanced Manufacturing Office by Energetics Incorporated