TEL’s Products
With its semiconductor production equipment, TEL provides a foundation for the digital network era.

TEL Semiconductor Technology is All around Us
Many processes are required to produce semiconductors on thin silicon wafers. In the digital network era, finished semiconductors are used not only in personal computers and home electronics but in cars and many other common conveniences. Semiconductors are found in virtually every appliance now and used in every facet of our lives. In its role of developing and building the most advanced semiconductor production equipment, TEL is part of the basic support system for the modern society.
Flow of Materials in TEL
TEL needs a great variety of the earth’s resources to do its business. At the right is a figure showing how these materials flow through TEL’s manufacturing plants and office facilities. The environmental burden is especially heavy during process assessment. This is because assessing the correct functioning of the equipment requires much electric power and various gases and chemicals. During process assessment, the equipment is observed while it performs the very same processes for which it will be used by the customer.

### Input
FY 2005, relative to FY 2004
- Electric power 247,100 MWh (+6.0%)
- Gases 794 km³ (+11.0%)
- Fuel 2,780 kl (+3.8%)
- Water 1,004 km³ (-1.0%)
- Chemical substances 11.3 t (-22.1%)
- Paper (copy paper) 377 t (+7.4%)

### Output
FY 2005, relative to FY 2004
- Total output of products 21,841 t (+5.3%)
- CO₂ 104,110 t (+5.3%)
- NOx 11.4 t (+2.7%)
- Wastewater 994 km³ (-1.0%)
- Total wastes 11,029 t (-9.7%)
- Total recycled resources 10,597 t (-6.7%)
- Total amount incinerated and sent to landfills 431 t (-49.1%)

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Semiconductors Made by TEL’s Equipment are Used Almost Everywhere

### Products Using Semiconductors
- Digital video cameras
- Digital still cameras
- Automobiles
- Mobile phones
- Thin-screen TVs
- PCs
- Silicon wafers with inscribed patterns
- Auto Wet Stations