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# Tamron Co., Ltd.

## Companies' approach

### □ Background and purpose of accounting

- To measure CO<sub>2</sub> emissions from our corporate activities and reinforce our efforts to reduce our environmental impact.

### □ Utilization of accounting results

The accounting results are utilized to:

- respond to external environmental surveys as well as communicate our environmental commitments to stakeholders by reporting the accounting results through CSR reports; and
- identify categories with high environmental impact for which we need to focus our efforts to reduce emissions.

### □ Benefits of accounting

The accounting enables us to:

- identify categories with high environmental impact and utilize these findings to take effective action to reduce our carbon footprint; and
- show our environmental commitments to stakeholders.

### □ Internal system for accounting

- Primary data are gathered from relevant divisions (Business Units, Administration Unit, Information System Office) and calculated by the CSR division.

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## Tamron Co., Ltd.

Companies' approach	
<p><b>□ Efforts to reduce supply chain emissions</b></p>	<ul style="list-style-type: none"> <li>We will examine how we can reduce emissions from Category 1 (Purchased goods and services) and Category 4 (Transportation and delivery), which are found to account for a large part of the total emissions.</li> </ul>
<p><b>□ Issues in supply chain emissions accounting</b></p>	<p>We need to:</p> <ul style="list-style-type: none"> <li>increase the accuracy of data used for the accounting of each category in order to improve the overall accuracy of the accounting results, and</li> <li>standardize accounting operations.</li> </ul>
<p><b>□ Other</b></p>	<p>—</p>

**□ Efforts to reduce supply chain emissions**

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- standardize accounting operations.

**□ Other**

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# 3 Tamron Co., Ltd.

Category	Accounting methods	
	Activity data	Emission factor
Category 1: Purchased goods and services	<ul style="list-style-type: none"> <li>Value of components, expendable supplies, services, etc. procured</li> </ul>	<ul style="list-style-type: none"> <li>SC-DB (*1)</li> </ul>
Category 2: Capital goods	<ul style="list-style-type: none"> <li>Value of capital investment</li> </ul>	<ul style="list-style-type: none"> <li>SC-DB (*1)</li> </ul>
Category 3: Fuel and energy related activities not included in Scope 1 or 2	<ul style="list-style-type: none"> <li>Amount of energy purchased by type (gasoline, heavy oil, electricity, kerosene, etc.)</li> </ul>	<ul style="list-style-type: none"> <li>CFD-DB (*2)</li> </ul>
Category 4: Transportation and delivery (upstream)	<ul style="list-style-type: none"> <li>Weight and distance transported (calculation is made based on scenarios established, using the ton-kilometer method)</li> </ul>	<ul style="list-style-type: none"> <li>SC-DB (*1)</li> </ul>
Category 5: Waste generated in operations	<ul style="list-style-type: none"> <li>Weight of waste disposed of by type</li> </ul>	<ul style="list-style-type: none"> <li>SC-DB (*1)</li> </ul>
Category 6: Business travel	<ul style="list-style-type: none"> <li>Transportation expenses paid for business travel</li> </ul>	<ul style="list-style-type: none"> <li>SC-DB (*1)</li> </ul>
Category 7: Employee commuting	<ul style="list-style-type: none"> <li>Transportation expenses paid for commuting</li> </ul>	<ul style="list-style-type: none"> <li>SC-DB (*1)</li> </ul>
Category 8: Leased assets (upstream)	<ul style="list-style-type: none"> <li>Floor area of buildings leased for offices</li> </ul>	<ul style="list-style-type: none"> <li>SC-DB (*1)</li> </ul>
Category 9: Transportation and delivery (downstream)	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>—</li> </ul>
Category 10: Processing of sold products	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>—</li> </ul>
Category 11: Use of sold products	<ul style="list-style-type: none"> <li>Electricity consumed by and number of products sold</li> </ul>	<ul style="list-style-type: none"> <li>SC-DB (*1)</li> </ul>
Category 12: End-of-life treatment of sold products	<ul style="list-style-type: none"> <li>Weight of each component of, and number of, products sold</li> </ul>	<ul style="list-style-type: none"> <li>SC-DB (*1)</li> </ul>
Category 13: Leased assets (downstream)	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>—</li> </ul>
Category 14: Franchises	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>—</li> </ul>
Category 15: Investments	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>—</li> </ul>
Other	<ul style="list-style-type: none"> <li>N/A (optional category)</li> </ul>	<ul style="list-style-type: none"> <li>—</li> </ul>

\*1 Emission Factor Database on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain Ver. 2.3

\*2 CFP Communication Program Basic Database Ver. 1.01 (data in Japan)

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## Tamron Co., Ltd.

## Accounting results

CO<sub>2</sub> Emissions by Category (Scope 3)

	Description	Share (%)
Category 1	Emissions from the extraction of resources and the manufacturing and transportation of all goods and services purchased or acquired	56.9%
Category 2	Emissions from the manufacturing and transportation of capital goods purchased or acquired	25.8%
Category 3	Upstream side emissions (resource extraction, production, and transportation) from fuel purchased and the generation process of electricity and heat purchased	1.2%
Category 4	Emissions from suppliers' distribution (transportation, cargo handling, and storage) of goods and services purchased	7.0%
Category 5	Emissions from disposal and processing by parties other than Tamron of waste generated from Tamron's business activities	1.8%
Category 6	Emissions from means of transportation used in the movement of employees of Tamron in operations such as business travel	0.2%
Category 7	Emissions from means of transportation used for commuting to factories or places of business by employees of Tamron	4.3%
Category 8	Emissions from the operation of warehouses and other assets leased by Tamron	0.0%
Category 11	Emissions from consumers' use of products and services sold	0.6%
Category 12	Emissions from the disposal and processing of products sold at the end of their life cycle and their containers and packaging	2.2%