

Machining Line CO₂ Emissions Simulation

Input Screen

#1

Location*
(CO₂ emissions coefficient)
Workpiece Material
Production Volume
Units of Time

OP10	OP20	OP30	OP40	OP50
Location*		Enter CO ₂ emissions coefficient(kg-C		
(CO ₂ emissions coefficient)		0.318		
Workpiece Material		Steel		
Production Volume		5000 per machine/mo.		
Units of Time		<input checked="" type="radio"/> min <input type="radio"/> sec		

* Please Refer to the Comparison of CO₂ Emissions Coefficient by Country.

Source: Comparison of CO₂ Emissions Intensity by Country, Japan Atomic Energy Relations Organization

#2

Process Name
Machine Type
Application

Machining Process

Process Name	OP10 Turning1
Machine Type	<input checked="" type="radio"/> NC <input type="radio"/> MC Lathe 8inch
Application	Roughing/Finishing (Not specified)
Cutting Time per Cycle	2.4

#3

Enter Cutting Time per Cycle



Calculate CO₂ Emissions

CO₂ Emissions/month per Application

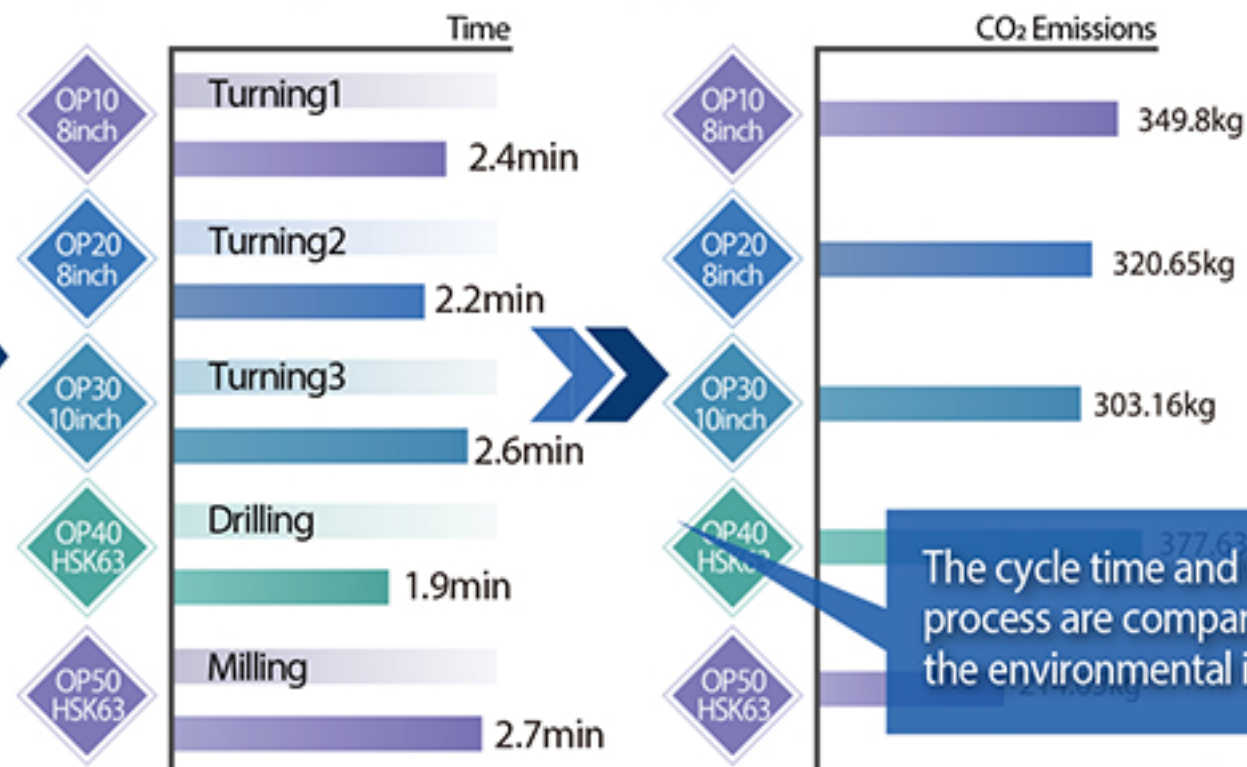
CO₂ Emissions/month per Machining Line

Generate a Report of the Results

Result Screen

Cycle Time

CO₂ Emissions per Month



The cycle time and CO₂ emissions of each process are compared to visualize the environmental impact.

Generate Report

Volume 5000 pc/month

CO₂ Emissions 1565.89 kg/month

Report Sample