

Company	Products Made in Affected Facilities	Alternative Facilities	Internal Substitutability	Risk of Damage (1 – Low to 5 –High)	Potential Impact of Short-Term Production Halts (1 – Low to 5 – High)	Short-Term Production Halt Notes	Potential Impact of Long- Term Production Halts (1 Low to 5 High)	Long-Term Production Halt Notes
Japan Advanced Semiconductor Manufacturing (JASM)	• 22/28nm logic • 12/16nm logic • Approximately 55K wafers per month	• Taichung Fab 15A (approximately 100K wpm at 28 and 40nm) • Nanjing Fab 16	High	3	3	Customers would notice and monitor the situation closely, but a sub-two-week interruption would likely be recoverable through wafer rescheduling and existing inventory buffers.	5	This is a modern fab built to very high seismic standards, reducing the structural risk. However, wafer fabs are extremely sensitive to vibration, tool calibration, utilities, and contamination. Even modest damage could create major supply impacts for automotive and mature-node chips.
Renesas	• Automotive MCUs • Power devices, 8-inch front end	• Naka fab • Takasaki fab • Sajo fab	Medium	3	3	Automotive OEMs are sensitive due to past Renesas disruptions, but today's inventories are generally healthier than during the 2021-2022 semiconductor shortage.	4	The location is relatively close to the affected area. Renesas remains a key automotive MCU supplier, and the supply chain remembers the impact from the 2021 Naka fire. A prolonged outage would significantly affect automotive electronics.
Sony (Two Facilities)	• Camera CMOS sensors • Surveillance CMOS sensors • Industrial CMOS sensors • Microdisplays	• Nagasaki • Oita • Yamagata (focused on smartphone sensors)	Medium-Low	3	3	Smartphone image sensors are critical, but Sony and customers typically carry sufficient inventory to absorb a short outage.	5	This is probably the most supply chain-sensitive operation on the list. Sony's Kumamoto image-sensor operations are strategically important to the smartphone-camera supply. Even a several-week disruption would ripple through handset OEMs.
Mitsubishi Electric	• Silicon power-device mother fab • 8-inch SiC line	Fukuoka on a limited scale; the 8-inch SiC line is the only one	Low-Medium	2	1	There would be limited global impact from a short interruption.	3	There would be moderate disruption risk from a longer stoppage, but there are generally more supply alternatives and less concentrated global dependency compared to Sony or TSMC.
TOPPAN	On-chip color filters for image sensors	None	Low-Medium	2	2	A short production halt could cause some concern among packaging customers, but not enough time would be lost to create a meaningful bottleneck.	4	This facility is very important due to semiconductor packaging substrates and related materials. The damage risk is somewhat lower than sites closer to the epicentral region, but prolonged downtime could create bottlenecks.
Tokyo Electron Device (Two Facilities)	• Coater and developers (approximately 90% of the global share) • Cleaning systems	None	Low (Effectively a Sole Site)	3	2	Equipment shipment schedules might slip slightly, but a less-than-two-week halt would not materially alter global fab buildouts.	5	Tokyo Electron Device is a critical supplier of semiconductor-manufacturing equipment. A long production halt would affect fab expansions globally, not just in Japan. The strategic importance of this facility is extremely high.
Fujifilm	• Chemicals to polish and planarize wafers • Color-filter materials for image sensors and photoresists	• Arizona, US (Chemicals) • Hsinchu, TW (Chemicals) • Cheonan, KR (Chemicals) • Shizuoka, JP (Filter Materials) • Hsinchu, TW (Filter Materials) • Pyeongtaek, KR (Filter Materials)	High	3	2	Semiconductor-materials customers would monitor the situation, but most specialty chemical supply chains could absorb a stoppage of this duration.	4	This facility produces high-value semiconductor materials and chemicals. Most products have some redundancy elsewhere in Fujifilm's network, but certain specialty materials could tighten quickly.
Tokai Carbon	Carbon-based chemicals (graphite) for semiconductor wafers and process equipment	Raw graphite and fine carbon are limited.	High (Fine Carbon)	2	1	Little near-term effect is expected.	3	Tokai Carbon's facility is farther to the southwest of the semiconductor cluster. It is an important supplier of graphite and carbon materials, but is generally less likely to create an immediate semiconductor crisis unless the outage is prolonged.
		Other chemicals are made in several facilities on Honshu	Low (Most Other Chemicals)					