Relati	on between small ca														14	15	16	17	10	10		00	
		01	02	03	04 struck	05	06	07	08		10	11	12	13	14	15	16	17	18	19	90	99	00
code	small causal agents	Tan	falling to same level	crash	bv	collapse	crashed by	caught in/between	cut	injury to the sole of the foot	drown	contact to high/low- temperature	contact to harmful substance	electric shock	explosion	burst	fire	(public	traffic accident (others)	reaction to motion/improper motion	others	unclassifiable	total
111	engine																						0
	power transmission mechanism																						0
131	circular sawing machine																						0
132	band sawing machine																						0
133	wood planer machine																						0
134	hollow chisel mortiser, wood borer																						0
135	chamfering machine, router, woodworking milling machine																						0
136	chain saw																						0
139	other woodworking machines																						0
141	leveling, transporting or loading machine																						0
142	excavating machine																						0
143	foundation work machine																						0
144	hardening machine																						0
145	demolition machine																						0
146	vehicle for high lift work																						0
147	other construction machines																						0
	lathe																						0
132	drill press, milling machine																						0
155	grinding machine, buffing machine																						0
	power press																						0
155	forging pressure																						0

## Relation between small causal agents and type of Fatal accidents in code no. 10902 glass products as small industry in 1999-2020.

	hammer															
156	shearing machine															0
159	other metal manufacturing machines															0
161	centrifugal machine															0
162	mixer, grinder															0
163	roll machine (except printingroll machine)						1									1
164	injection molding machine															0
165	food manufacturing machine															0
166	printing machine															0
	industrial robot															0
169	other general power machines					1										1
	felling machine															0
	mobile logging machine															0
	skyline yarding machine															0
179	other mobile silviculture machine															0
211	crane															0
212	mobile crane															0
213	derrick crane															0
	elevator, lift															0
	cargo lifting appliance															0
216	gondola															0
217	lumberyard equipment, logging cableway															0
218	simple skyline yarding equipment															0
219	other powered crane						1									1
221	truck	1										1	l			2
222	forklift		1	1												2
223	railway equipment															0
224	conveyor															0
225	loader															0

226	straddle carrier															0
227	rough terrain hauler															0
229	other powered conveying machines															0
231	cars, bus, motorcycle						1									1
	railway vehicle															0
	other vehicles															0
311	boiler															0
312	pressure vessel															0
319	other pressure vessels															0
321	chemical facilities															0
331	gas welding equipment															0
332	arc welding equipment															0
220	other welding equipment															0
	kiln, caldron															0
342	industrial dryer															0
349	other kiln, caldron															0
351	transmission															0
352	electric power facilities															0
359	other electrical equipment										1					1
361	human power cranes															0
362	human power hauling equipment		1													1
363	human power machine															0
	hand tool															0
	ladder															0
	slinging tool															0
379	other tools				1	1										2
391	other equipments, facilities															0
411	scaffolding															0
	timbering															0
	stairs, landing stage															0
	opening	1														1
	roof, beam, haze,															

	principal rafter	1																					1
416	working platform, boot board																						0
_	passage																						0
418	building, establishment																						0
419	other temporary buildings, establishments																						0
511	explosive substance																						0
512	inflammable substance																						0
513	inflammable gas																						0
514	harmful substance																						0
515	radiation																						0
519	other hazards, harmful substances												1										1
521	metal material																						0
522	lumber, bamboo																						0
523	stone, sand, substance																						0
529	other materials					1		1	1														3
	load						1																1
612	machine/equipment as load																						0
711	natural ground, rock																						0
712	standing tree																						0
713	water																						0
714	abnormal environment																						0
715	high/cold temperature environment											1											1
719	other environments																						0
911	other causal agent																						0
921	no causal agent																				1		1
999	unclassifiable																						0
000	total	3	2	1	1	2	2	4	1	0	0	1	1	1	0	0	0	1	0	0	1	0	21

Data of 2011 year do not include Industrial accidents caused by Great East Japan Earthquake in 2011.

Data sources: <u>https://anzeninfo.mhlw.go.jp/anzen\_pg/SIB\_FND.aspx</u> (MHLW, Japan)