Fatal and non-fatal accidents in other precision machine products in Japan in 1999-2022

other precision machine products industry Code No.011305

Type of accidents in other precision machine products in 1999-2022

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
fall from height	26	26	30	23	25	21	32	28	24	19	14	15	18	24	13	14	17	17	18	17	26	16	12	23	498
falling to same level	40	28	38	28	28	28	28	27	35	29	21	25	29	22	16	27	33	35	33	35	29	30	34	48	726
crash	11	16	16	8	13	7	16	7	17	8	4	6	14	7	2	5	7	5	5	10	8	7	11	8	218
struck by flying or falling object	26	46	53	35	45	40	35	29	31	35	23	10	23	32	20	15	24	21	18	13	19	12	15	16	636
collapse	7	10	4	10	6	7	10	7	4	6	2	4	2	7	6	2	1	7	1	3	4	3	3	5	121
crashed by	9	16	18	15	20	10	13	17	19	10	6	10	14	11	6	10	8	5	8	6	15	7	9	2	264
caught in/between	127	119	113	106	108	69	94	70	92	102	49	56	72	61	56	45	49	47	44	52	43	50	44	44	1,712
cut	50	37	44	39	38	30	38	33	42	23	17	26	15	18	11	18	12	11	7	17	14	8	19	14	581
injury to the sole of the foot						1			2										1						4
drown																									
contact to high/low-	4	4	3	4	3	5	5	5	3	1		5	2		2	3	2	4	2	2	2	1	3	1	66

temperature																									
contact to harmful substance	3	5	3	2	3	1	3	1	2	3	1	1	1		2	2	1					1	3	2	40
electric shock			3		1	1			1										1	1			1	1	10
explosion		1							1					1	1					1					5
burst					2		1																	1	4
fire	2		2			1		1							1			1							8
traffic accident (public road)	6	4	9	3	7	3	2	12	6	8	2	5	6	4	2	5	2		4	4	1	1	7	2	105
traffic accident (others)																1			1		1				3
reaction to motion/improper motion	25	18	21	19	23	17	30	26	29	32	14	25	22	21	23	23	22	30	27	34	34	25	22	45	607
others	2				1		2	1		1	1	1	16	1			1	2	1	3	2	1	26		62
unclassifiable		2	1		1				1				2									1			8
total	338	332	358	292	324	241	309	264	309	277	154	189	236	209	161	170	179	185	171	198	198	163	209	212	5,678

Causal agents (large) of fatal and non-fatal accidents in other precision machine products in 1999-2022

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
machine	136	128	122	126	131	79	111	89	116	110	57	65	74	79	62	58	52	48	41	46	53	52	44	42	1,921

crane, conveying machine	38	30	35	24	31	26	30	32	37	24	9	24	23	25	19	15	16	12	20	22	18	9	30	20	569
other equipment	49	49	56	46	46	45	49	45	45	37	34	23	38	26	24	17	35	31	36	38	41	26	34	38	908
temporary buildings, establishments	40	35	49	38	38	32	40	32	38	28	23	30	31	26	15	32	37	32	31	40	33	29	34	45	808
substance, material	46	48	54	38	48	35	43	43	29	43	16	19	26	27	18	22	18	26	14	19	16	15	22	27	712
load	16	23	27	10	15	14	20	12	22	20	9	9	15	14	7	14	9	11	11	10	16	14	8	13	339
environment	1	3	1	1		4	1	1	2	2		3	2	4	3	3	4	6	2	2	4		2	5	56
others	12	16	14	9	15	6	15	10	20	13	6	16	27	8	13	9	8	19	16	21	17	18	35	22	365
total	338	332	358	292	324	241	309	264	309	277	154	189	236	209	161	170	179	185	171	198	198	163	209	212	5,678

Causal agents (middle) of fatal and non-fatal accidents in other precision machine products in 1999-2022

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
engine	1	1																							2
power transmission mechanism	1	6		4	2	2	2	3	1	1	1	2	2	3	1	3	1	1	1	3	3	3	1	4	51
woodworking machine	1	3		3	3	1	3	3	3	1	2	1	1	2				1	1		5	2	1		37

construction machine						1			1			1		1	1							1				6
metal manufacturing machine	102	88	99	86	98	56	82	72	92	76	38	44	51	54	49	44	38	38	27	35	28	32	31	26	1,386
general machine	31	30	23	33	28	19	24	11	19	32	16	17	20	19	11	11	13	8	12	8	16	15	11	12	439
mobile silviculture machine																									
crane	12	11	9	12	11	10	9	8	12	8	6	7	5	7	10	6	7	2	4	3	3	2	8	9	181
conveying machine	17	15	17	9	16	10	16	14	18	11	1	9	12	12	7	2	7	9	8	15	11	6	16	8	266
vehicle	9	4	9	3	4	6	5	10	7	5	2	8	6	6	2	7	2	1	8	4	4	1	6	3	122
pressure vessel	1		1	1	3	1	2	1	1		1	1							1	2	2				18
chemical facilities													2												2
welding equipment	4	1	3	4	2		3	1	3	2	1	1			2	1	1					1	1	1	32
kiln, caldron		2		1	1	2				2		1	1				2			1		1			14
electric equipment		2	2	1	2	1		1						2			1	1	2	1			1	1	18
human power machine, tools	17	14	16	12	13	12	12	10	15	10	18	8	13	6	4	8	7	11	9	10	11	3	14	9	262
tools	24	24	27	19	21	21	23	25	17	17	12	8	19	18	14	6	17	14	16	17	20	16	10	19	424
other equipments,																									

facilities	3	6	7	8	4	8	9	7	9	6	2	4	3		4	2	7	5	8	7	8	5	8	8	138
temporary buildings, establishments	40	35	49	38	38	32	40	32	38	28	23	30	31	26	15	32	37	32	31	40	33	29	34	45	808
hazards, harmful substances	3	4	5	4	6	3	4	4	3	2	1	3	1	1	4	3	2	1		1	2	2	5	3	67
materials	43	44	49	34	42	32	39	39	26	41	15	16	25	26	14	19	16	25	14	18	14	13	17	24	645
load	16	23	27	10	15	14	20	12	22	20	9	9	15	14	7	14	9	11	11	10	16	14	8	13	339
natural environment	1	3	1	1		4	1	1	2	2		3	2	4	3	3	4	6	2	2	4		2	5	56
other causal agent	2	5	5	4	2	1	2	3	3	3	2	4	14	2	3	1	1	3	2	1	4	3	27		97
no causal agent	9	9	7	5	12	5	12	5	16	10	2	12	12	6	10	7	7	16	14	20	13	14	8	22	253
unclassifiable	1	2	2		1		1	2	1		2		1			1						1			15
total	338	332	358	292	324	241	309	264	309	277	154	189	236	209	161	170	179	185	171	198	198	163	209	212	5,678

Causal agents (small) of fatal and non-fatal accidents in other precision machine products in 1999-2022

Causal (S) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
engine																									
power transmission mechanism					2		2	3	1	1	1	2	2	3	1	3	1	1	1	3	3	3	1	4	38

circular sawing machine					3		1	2	2			1	1	1				1	1			2	1		16
band sawing machine									1	1	1														3
wood planer machine							1																		1
hollow chisel mortiser, wood borer							1	1			1			1							1				5
chamfering machine, router, woodworking milling machine																									
chain saw																					1				1
other woodworking machines																					3				3
leveling, transporting or loading machine															1										1
excavating machine									1			1		1											3
foundation work machine																									
hardening machine																									

demolition machine																					1				1
vehicle for high lift work																									
other construction machines																									
lathe			28		22		23	19	22	12	8	14	13	22	10	9	9	11	4	11	11	4	9	7	268
drill press, milling machine			20		20		18	13	16	24	8	9	9	5	10	10	4	6	11	10	6	9	2	4	214
grinding machine, buffing machine			16		15		15	13	19	12	10	6	6	13	9	7	7	5	3	3	3	7	4	5	178
power press			7		14		11	13	11	9	6	4	11	6	6	7	6	10	4	7	2	8	1	4	147
forging pressure hammer																									
shearing machine			4		1		1	2	2	2	1	1			1	1	1								17
other metal manufacturing machines			24		26		14	12	22	17	5	10	12	8	13	10	11	6	5	4	6	4	15	6	230
centrifugal machine													1	1				1							3
mixer, grinder							1		1		1		1		2					1			1		8
roll machine (except printingroll machine)			1				2			2	1		1		1		1		2		1	2	1	1	16

injection molding machine			2		1		1		1	1		2	1		1		1				1	1			13
food manufacturing machine										1				1											2
printing machine			1						1	1											1				4
industrial robot									1	1				1							1	2	1		7
other general power machines			19		27		20	11	15	26	14	15	16	16	7	11	11	7	10	7	12	10	8	11	273
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane			8		10		6	7	10	7	6	5	4	4	6	3	7	2	4	3	3	2	7	7	111
mobile crane			1						1					1	1	1									5
derrick crane																									
elevator, lift					1		1		1			1		1	1	1							1		8
cargo lifting appliance																									
gondola																									

lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane							2	1		1		1	1	1	2	1								2	12
truck			9		7		8	4	5	4			3	5	2	1	4	5	3	7	3	5	3	3	81
forklift			5		4		5	3	8	2		8	7	2	1		2	2	3	5	7	1	5	2	72
railway equipment										1															1
conveyor			3		5		3	5	4	4	1		1	2	3	1	1	2		2	1		7	3	48
loader																				1					1
straddle carrier																									
rough terrain hauler																									
other powered conveying machines								2	1			1	1	3	1				2				1		12
cars, bus, motorcycle			9		4		5	10	7	4	2	7	6	6	2	7	2	1	8	4	4	1	6	2	97
railway vehicle												1													1
other vehicles										1														1	2
boiler					1		1		1																3

pressure vessel			1		1		1	1			1									1					6
other pressure vessels					1							1							1	1	2				6
chemical facilities													2												2
gas welding equipment								1	1			1			1										4
arc welding equipment			1		1				1	2							1					1			7
other welding equipment			2		1		3		1		1				1	1							1	1	12
kiln, caldron										1		1					1					1			4
industrial dryer										1			1				1			1					4
other kiln, caldron					1																				1
transmission														1			1	1					1		4
electric power facilities			1																1					1	3
other electrical equipment			1		2			1						1					1	1					7
human power cranes					2			2			1	1									1		2	2	11
human power hauling equipment			3		4		4	4	6	6	9	2	6	4	2	3	6	4	4	4	4	1	6	4	86

human power machine			2		1				1			2	1					1		1				1	10
hand tool			11		6		8	4	8	4	8	3	6	2	2	5	1	6	5	5	6	2	6	2	100
ladder			7		8		14	12	4	6	3	2	7	5	8	2	5	9	7	9	13	8	3	10	142
slinging tool			12		1		5	3	2	4	6	4	3	2	3	1	4	2	1	2	1	2		1	59
other tools			8		12		4	10	11	7	3	2	9	11	3	3	8	3	8	6	6	6	7	8	135
other equipment, facilities			7		4		9	7	9	6	2	4	3		4	2	7	5	8	7	8	5	8	8	113
scaffolding			2		2			1	1			1	2	2		1					1	1			14
timbering																									
stairs, landing stage			13		10		6	9	12	10	5	5	3	7	2	6	5	5	5	5	8	5	4	8	133
opening			1					3			1					1	1	1					1	1	10
roof, beam, haze, crossbeam, principal rafter			3						2			1				2	1						2	1	12
working platform, boot board			6		9		12	2	4	3	2	5	3	1		5	4	3	8	6	2	2	2	7	86
passage			19		14		16	13	8	9	11	13	13	13	8	13	21	19	12	24	15	16	20	28	305
building, establishment			2		2		3	2	7	2	3	3	5		3	3	3	3	3	3	2	2	2		53
other temporary buildings,			3		1		3	2	4	4	1	2	5	3	2	1	2	1	3	2	5	3	3		50

establishments																									
explosive substance					2																				2
inflammable substance			3				1	1	1			1		1							1				9
inflammable gas					2											1				1					4
harmful substance			1		1		1	1	2	1	1	1	1		1	2	2				1	1	1	2	20
radiation																									
other hazards, harmful substances			1		1		2	2		1		1			3			1				1	4	1	18
metal material			49		37		35	32	25	38	15	15	21	21	12	14	14	23	14	15	12	12	15	20	439
lumber, bamboo					1			3		2						1		1						1	9
stone, sand, substance					1								2												3
other materials					3		4	4	1	1		1	2	5	2	4	2	1		3	2	1	2	3	41
load			20		13		13	10	17	15	7	7	8	7	4	14	8	7	10	9	13	10	7	10	209
machine/equipment as load			7		2		7	2	5	5	2	2	7	7	3		1	4	1	1	3	4	1	3	67
natural ground, rock							1					2			1									1	5
standing tree									1					1		1									3
water																							1		1
abnormal																									

environment																									
high/cold temperature environment			1							1		1	1					3	1				1		9
other environments								1	1	1			1	3	2	2	4	3	1	2	4			4	29
other causal agent			5		2		2	3	3	3	2	4	14	2	3	1	1	3	2	1	4	3	27		85
no causal agent			7		12		12	5	16	10	2	12	12	6	10	7	7	16	14	20	13	14	8	22	225
unclassifiable			2		1		1	2	1		2		1			1						1			12
total	338	332	358	292	324	241	309	264	309	277	154	189	236	209	161	170	179	185	171	198	198	163	209	212	5,678

Workers age of fatal and non-fatal accidents in other precision machine products in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less	14	13	7	10	15	8	13	8	7	8	5	3	4	5	4	5	3	5	3	3	2	2	2	5	154
20-29	75	70	83	63	55	43	68	54	67	55	29	38	50	42	35	29	36	28	15	30	25	21	34	32	1,077
30-39	60	42	61	52	65	52	67	61	72	72	30	37	58	54	32	36	38	39	40	37	43	38	47	34	1,167
40-49	61	66	50	50	57	52	46	45	49	43	29	51	57	50	38	45	37	42	45	54	48	37	41	51	1,144
50-59	93	99	123	71	89	57	83	57	66	55	28	37	36	31	29	23	30	37	37	45	38	46	51	46	1,307
60 years old or more	35	42	34	46	43	29	32	39	48	44	33	23	31	27	23	32	35	34	31	29	42	19	34	44	829
total	338	332	358	292	324	241	309	264	309	277	154	189	236	209	161	170	179	185	171	198	198	163	209	212	5,678

Workers' number of workplace of fatal and non-fatal accidents in other precision machine products in 1999-2022

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
9 workers or less	84	90	85	74	76	52	68	67	62	52	38	42	31	45	33	31	42	31	29	37	27	23	27	35	1,181
10-29	102	81	110	88	89	75	92	63	87	68	38	51	60	60	47	50	30	44	38	36	39	35	47	43	1,473
30-49	41	38	47	42	51	32	46	32	46	33	17	22	30	22	21	22	23	17	18	21	22	14	26	22	705
50-99	39	49	42	27	48	25	40	37	47	34	17	25	39	28	22	26	25	31	26	32	33	26	37	26	781
100-299	42	46	52	35	39	37	35	42	40	54	26	25	30	34	22	24	25	29	22	27	38	37	37	46	844
300 workers or more	30	28	22	26	21	20	28	23	27	36	18	24	46	20	16	17	34	33	38	45	39	28	35	40	694
total	338	332	358	292	324	241	309	264	309	277	154	189	236	209	161	170	179	185	171	198	198	163	209	212	5,678

Month of fatal and non-fatal accidents in other precision machine products in 1999-2022

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
January	34	25	44	26	31	20	33	22	20	28	19	12	20	19	17	10	10	14	14	19	17	17	16	17	504
February	26	23	24	32	19	13	25	18	26	30	15	15	10	18	13	19	17	14	9	16	19	12	14	27	454
March	23	27	29	29	32	33	21	19	27	26	16	15	23	17	17	22	15	18	15	19	29	11	17	17	517
April	24	24	34	22	25	22	29	23	18	31	18	14	15	21	10	10	9	15	16	18	8	13	15	15	449
May	24	37	31	22	24	19	22	24	30	28	13	13	16	17	13	16	14	19	12	13	18	10	21	16	472
June	29	34	28	21	26	22	23	23	29	18	16	19	20	20	10	12	15	22	16	20	13	21	18	21	496

July	33	29	33	22	27	21	30	25	25	27	10	16	19	21	20	19	20	15	18	15	21	16	18	19	519
August	31	25	30	19	23	21	29	25	31	24	15	17	23	22	11	13	16	14	13	15	12	9	28	15	481
September	20	30	29	24	37	16	30	25	23	11	9	19	27	16	14	16	14	11	9	19	16	13	18	18	464
October	24	28	27	29	28	22	20	21	38	18	8	18	24	16	13	10	16	13	15	13	13	20	18	15	467
November	34	25	23	19	27	16	23	18	18	22	7	17	23	14	12	14	13	13	19	17	21	14	13	17	439
December	36	25	26	27	25	16	24	21	24	14	8	14	16	8	11	9	20	17	15	14	11	7	13	15	416
total	338	332	358	292	324	241	309	264	309	277	154	189	236	209	161	170	179	185	171	198	198	163	209	212	5,678

Prefecture of fatal and non-fatal accidents in other precision machine products in 1999-2022

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
Hokkaido	3	1	3		4		3		2	2	1	2	3	2		2	1	2		2	3	4	1	4	45
Aomori	2	2	1		1						1		3	4			1		4	3				3	25
Iwate	2	6	6		10		12		8	6	3	7	5	4	5	1	2	1	3	3	1	2	4	7	98
Miyagi	7	6	3		1		2	4		5	3		1	6	3	3	5	1	1	1		2	2	1	57
Akita	2	6	3		4		5	2	7	3	2	4	1	2	2	3	1	1	3	4	4	3	5	4	71
Yamagata	8	4	6		1		3	3	8	1	2	2	2	2	3	3	2	3	3	2	3	1	2	2	66
Fukushima	4	4	2		4		4	1	4	2		3	4	2	2	2	2	4	1	1			3	1	50
Ibaraki	15	12	6		7		7	7	12	13	1	7	7	5	3	6	2	7	8	9	10	12	6	14	176
Tochigi	8	11	12		10		16	9	12	5	2	7	6	8	6	7	6	5	9	5	6	6	8	4	168
Gunma	14	15	9		16		6	13	2	6	7	6	11	11	5	3	5	7	7	7	8	4	4	5	171

Saitama	15	13	18		22		24	19	15	11	7	12	9	12	7	10	6	8	8	11	7	10	9	8	261
Chiba	5	13	5		7		4	7	15	9	4	4	7	11	3	3	11	6	1	4	16	4	18	7	164
Tokyo	17	21	23		16		9	6	14	15	4	12	5	11	12	8	7	3	6	9	7	4	6	8	223
Kanagawa	26	13	20		11		11	10	8	9	8	13	7	11	6	8	14	8	6	7	7	8	7	7	225
Niigata	12	9	13		11		5	6	6	5	3	4	6	3	1	4	6		5	7	4	5	4	5	124
Toyama	8	5	6		5		4	5	5	6	2	2	2	4	1	1	2	2	3	1	4	2	2		72
Ishikawa	6	5	5		3		4	4	6	5	1	1	3	1	2	4		6	3		1		1		61
Fukui	2		1		1		1		1		1		4	1	1	2	1	1	1			1		2	21
Yamanashi	4	4	5		6		4	5	5	11	4	5	3	3	1		8	3	7	6	4	2	7	9	106
Nagano	6	13	15		14		14	12	10	17	6	11	27	9	11	8	9	14	10	15	13	11	18	12	275
Gifu	10	11	10		12		9	11	11	20	11	7	5	7	3	3	3	7	6	6	9	2	4	7	174
Shizuoka	17	10	13		20		20	10	25	13	9	6	10	8	8	6	13	8	12	11	13	6	16	14	268
Aichi	32	29	32		40		27	15	36	25	13	19	26	23	21	19	19	21	16	22	19	15	12	16	497
Mie	7	7	9		12		12	15	5	11	1	5	11	10	7	8	6	6	3	2	13	6	9	8	173
Shiga	1	6	9		5		10	4	5	4	2	1	1		2	2	1	6	2	2	4	7	6	6	86
Kyoto	11	11	17		12		8	6	9	9	7	2	11	4	5	3	8	4	5	11	8	9	8	8	176
Osaka	31	42	44		15		19	23	21	22	14	14	16	10	18	16	9	15	6	13	8	11	12	16	395
Hyogo	9	14	13		10		9	6	11	3	7	7	8	7	5	7	11	13	13	10	5	6	6	3	183
Nara	1		1		1		4		1				1		1			1		2					13
Wakayama	2	1	1		3		4		1	3	1	1	1	2		1				1		1	1	1	25
Tottori		1					1							1											3

Shimane	1		2		4		3	2	1	2		1	1	1	1			3		2	1		1	3	29
Okayama	4	5	3		4		3	6	6	3		2	2	4		1	1	1	2	1	2	3	4	6	63
Hiroshima	10	13	10		10		10	7	6	6	6	7	3	2	5	5	5	3	2	2	2	3	4	4	125
Yamaguchi		1	1		3		1	6	2	3	3	1	2	2		3	1				2	2		1	34
Tokushima										1			2		1				1	1					6
Kagawa	5	5	8		5		5	5	3	1	3	4	5			3	4	5	1	3	1		1	1	68
Ehime			1					2	1	4	2		4		1	1	1			2				1	20
Kochi	3	1	1		2		6	3	5	1	1	1	2	3		5		2	2	3	1	1	2	4	49
Fukuoka	11	4	12		5		8	11	6	4	2	5	2	5	2	3	2	5	5	3	5	2	4	2	108
Saga	1	2	1		1		1			2	2			1	1				1		1			1	15
Nagasaki	7	2					1	3	2	1	1					1						1			19
Kumamoto	2	3	1		2		3	2	1	2	2		5	2	3	3	2	1		2	1	2	2	2	43
Oita	2		4		3		3	11	5	4	4	2	1	2		1		1	2	1	4	2	5	3	60
Miyazaki	3	1	2		1		1	2	4	2	1	2	1	3	2		1		3	1	1			1	32
Kagoshima	2		1				3		2						1	1	1	1				3	4	1	20
Okinawa								1															1		2
total	338	332	358	292	324	241	309	264	309	277	154	189	236	209	161	170	179	185	171	198	198	163	209	212	5,678

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more.

Data of 2022 year do not include Covid-19 cases. Data of 2020 & 2021 year include Covid-19 cases. Fatal and non-fatal data are same situation.

Data of 2011 year include fatal and non-fatal accidents caused by Great East Japan Earthquake in 2011.

Data sources: https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html (MHLW, Japan)

Return to https://www.jisha.or.jp/english/statistics/2022e_industry.html

==========

Fatal accidents in other precision machine products in Japan in 1999-2022

other precision machine products industry Code No.011305

Type of fatal accidents in other precision machine products in 1999-2022

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
fall from height										1										1	1			1	4
falling to same level													1												1
crash																									
struck by flying or falling object						1																			1
collapse																				1					1
crashed by		1																							1
caught in/between	1																		1				1		3
cut																									
injury to the sole of the foot																									

drown																									
contact to high/low-temperature																									
contact to harmful substance																									
electric shock																							1		1
explosion																									
burst																									
fire																									
traffic accident (public road)	1		1					1						1											4
traffic accident (others)																									
reaction to motion/improper motion																									
others													1												1
unclassifiable																									
total	2	1	1			1		1		1			2	1					1	2	1		2	1	17

Causal agents (large) of fatal accidents in other precision machine products in 1999-2022

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
machine	1	1								1															3
crane, conveying machine	1		1					1					1	1					1	1	1		1		9
other equipment						1														1			1		3
temporary buildings, establishments																								1	1
substance, material																									
load																									
environment																									
others													1												1
total	2	1	1			1		1		1			2	1					1	2	1		2	1	17

Causal agents (middle) of fatal accidents in other precision machine products in 1999-2022

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
engine																									
power transmission mechanism																									

woodworking machine																									
construction machine																									
metal manufacturing machine	1	1								1															3
general machine																									
mobile silviculture machine																									
crane																									
conveying machine	1												1						1	1	1		1		6
vehicle			1					1						1											3
pressure vessel						1																			1
chemical facilities																									
welding equipment																									
kiln, caldron																									
electric equipment																							1		1
human power machine, tools																				1					1
tools																									
other equipments,																									

facilities																									
temporary buildings, establishments																								1	1
hazards, harmful substances																									
materials																									
load																									
natural environment																									
other causal agent																									
no causal agent													1												1
unclassifiable																									
total	2	1	1			1		1		1			2	1					1	2	1		2	1	17

Causal agents (small) of fatal accidents in other precision machine products in 1999-2022

Causal (S) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
engine																									
power transmission mechanism																									

circular sawing machine																									
band sawing machine																									
wood planer machine																									
hollow chisel mortiser, wood borer																									
chamfering machine, router, woodworking milling machine																									
chain saw																									
other woodworking machines																									
leveling, transporting or loading machine																									
excavating machine																									
foundation work machine																									
hardening machine																									

demolition machine																									
vehicle for high lift work																									
other construction machines																									
lathe		1																							1
drill press, milling machine																									
grinding machine, buffing machine																									
power press																									
forging pressure hammer																									
shearing machine																									
other metal manufacturing machines	1									1															2
centrifugal machine																									
mixer, grinder																									
roll machine (except printingroll machine)																									

injection molding machine																									
food manufacturing machine																									
printing machine																									
industrial robot																									
other general power machines																									
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane																									
mobile crane																									
derrick crane																									
elevator, lift																									
cargo lifting appliance																									
gondola																									

lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane																									
truck	1																								1
forklift													1							1	1				3
railway equipment																									
conveyor																							1		1
loader																									
straddle carrier																									
rough terrain hauler																									
other powered conveying machines																			1						1
cars, bus, motorcycle			1					1						1											3
railway vehicle																									
other vehicles																									
boiler																									

pressure vessel						1																			1
other pressure vessels																									
chemical facilities																									
gas welding equipment																									
arc welding equipment																									
other welding equipment																									
kiln, caldron																									
industrial dryer																									
other kiln, caldron																									
transmission																									
electric power facilities																							1		1
other electrical equipment																									
human power cranes																									
human power hauling equipment																				1					1

human power machine																									
hand tool																									
ladder																									
slinging tool																									
other tools																									
other equipment, facilities																									
scaffolding																									
timbering																									
stairs, landing stage																									
opening																									
roof, beam, haze, crossbeam, principal rafter																								1	1
working platform, boot board																									
passage																									
building, establishment																									
other temporary buildings,																									

establishments																									
explosive substance																									
inflammable substance																									
inflammable gas																									
harmful substance																									
radiation																									
other hazards, harmful substances																									
metal material																									
lumber, bamboo																									
stone, sand, substance																									
other materials																									
load																									
machine/equipment as load																									
natural ground, rock																									
standing tree																									
water																									
abnormal																									

environment																									
high/cold temperature environment																									
other environments																									
other causal agent																									
no causal agent													1												1
unclassifiable																									
total	2	1	1			1		1		1			2	1					1	2	1		2	1	17

Workers age of fatal accidents in other precision machine products in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less	1																								1
20-29			1					1											1						3
30-39						1																			1
40-49	1												1							1			2	1	6
50-59		1												1						1	1				4
60 years old or more										1			1												2
total	2	1	1			1		1		1			2	1					1	2	1		2	1	17

Workers' number of workplace of fatal accidents in other precision machine products in 1999-2022

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
9 workers or less			1																				1	1	3
10-29		1																		2					3
30-49																									
50-99	1																								1
100-299						1				1									1						3
300 workers or more	1							1					2	1							1		1		7
total	2	1	1			1		1		1			2	1					1	2	1		2	1	17

Month of fatal accidents in other precision machine products in 1999-2022

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
January		1				1		1					1							1					5
February																				1			1		2
March																									
April	1												1												2
May																									
June																							1		1

July																									
August										1				1											2
September			1																						1
October																			1		1			1	3
November	1																								1
December																									
total	2	1	1			1		1		1			2	1					1	2	1		2	1	17

Prefecture of fatal accidents in other precision machine products in 1999-2022

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
Hokkaido																									
Aomori																									
Iwate																									
Miyagi																									
Akita																									
Yamagata																									
Fukushima																									
Ibaraki																					1				1
Tochigi																									
Gunma																									

Saitama																									
Chiba																									
Tokyo														1											1
Kanagawa																									
Niigata																							1		1
Toyama																				2					2
Ishikawa																									
Fukui																									
Yamanashi																			1						1
Nagano		1	1			1																			3
Gifu																									
Shizuoka								1															1		2
Aichi	2									1			1												4
Mie																									
Shiga																									
Kyoto																									
Osaka																									
Hyogo																									
Nara																									
Wakayama																									
Tottori																									

Shimane																									
Okayama																									
Hiroshima																									
Yamaguchi																									
Tokushima																									
Kagawa													1												1
Ehime																									
Kochi																									
Fukuoka																									
Saga																									
Nagasaki																									
Kumamoto																									
Oita																									
Miyazaki																								1	1
Kagoshima																									
Okinawa																									
total	2	1	1			1		1		1			2	1					1	2	1		2	1	17

Data sources: https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html (MHLW, Japan)

Return to https://www.jisha.or.jp/english/statistics/2022e_industry.html