

Fatal and non-fatal accidents in metal press products in Japan in 1999-2021

metal press products industry Code No.011203

Type of accidents in metal press products in 1999-2021

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	total	Type of accidents
fall from height	22	34	26	28	33	37	19	30	27	31	23	18	24	19	18	16	21	16	18	26	20	20	24	550	fall from height
falling to same level	37	26	34	47	30	41	34	44	36	39	27	23	28	45	33	30	33	36	27	41	30	33	50	804	falling to same level
crash	20	20	18	16	20	18	12	16	13	19	14	9	11	7	11	11	19	15	15	10	15	10	23	342	crash
struck by flying or falling object	82	88	82	89	70	85	65	79	75	59	38	46	38	55	35	51	44	50	56	53	45	36	42	1,363	struck by flying or falling object
collapse	21	34	18	26	18	27	19	25	35	20	16	17	12	13	12	12	18	19	13	5	18	10	9	417	collapse
crashed by	26	24	21	21	20	28	24	21	21	17	14	15	15	12	13	17	14	10	13	19	16	18	12	411	crashed by
caught in/between	597	622	481	439	432	463	419	368	353	302	212	254	239	256	213	263	230	198	202	216	200	179	181	7,319	caught in/between
cut	50	62	52	46	48	49	48	47	49	42	28	30	21	22	30	35	20	26	31	31	39	28	24	858	cut
injury to the sole of the foot			2	1		2	1		1	1								1	1			1	1	12	injury to the sole of the foot
drown																			1					1	drown
contact to high/low-temperature	4	5	6	5	5	2	4	5	3	3	2	4	3	2	3	3	4	2	4	5	5	2	3	84	contact to high/low-temperature

engine						1																1	engine		
power transmission mechanism			1		2		1	2	2		1	2		3	1	1	4	3	1	4		1	1	30	power transmission mechanism
circular sawing machine			3		1		1		2	1	1	2		1		1		1	1		3	1	1	20	circular sawing machine
band sawing machine																							1	1	band sawing machine
wood planer machine																									wood planer machine
hollow chisel mortiser, wood borer										1														2	hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine											1													1	chamfering machine, router, woodworking milling machine
chain saw																									chain saw
other woodworking machines							1		1															2	other woodworking machines
leveling, transporting or loading machine																									leveling, transporting or loading machine
excavating machine																									excavating machine
foundation work machine																			1					1	foundation work machine

machine				1			1				1				1	1		1					6	machine	
food manufacturing machine											1												1	food manufacturing machine	
printing machine							1															1	2	printing machine	
industrial robot			1						2										1				4	industrial robot	
other general power machines			18		15		15	17	6	15	9	14	6	7	7	9	15	7	11	9	20	4	10	214	other general power machines
felling machine																								felling machine	
mobile logging machine																								mobile logging machine	
skyline yarding machine																								skyline yarding machine	
other mobile silviculture machine																								other mobile silviculture machine	
crane			7		14		12	12	14	10	8	9	4	9	7	7	6	8	11	7	12	7	11	175	crane
mobile crane									1									1						2	mobile crane
derrick crane																									derrick crane
elevator, lift								3					1			2					1			7	elevator, lift
cargo lifting appliance																									cargo lifting appliance
gondola																									gondola
lumberyard equipment, logging cableway																									lumberyard equipment, logging cableway

simple skyline yarding equipment																								simple skyline yarding equipment	
other powered crane									1					1									2	other powered crane	
truck			10		10		6	6	8	7	9	3	3	10	10	4	9	8	5	6	1	6	8	129	truck
forklift			19		12		22	15	18	11	16	14	12	9	8	14	8	14	12	12	19	12	13	260	forklift
railway equipment																						1		1	railway equipment
conveyor			6		2		5	3	3	3	2	1	1	2		2	2	2	3	2	4	3	5	51	conveyor
loader																									loader
straddle carrier																									straddle carrier
rough terrain hauler																									rough terrain hauler
other powered conveying machines			3		1		2		1	2		1		1	1	1	1	3	1	1	2		3	24	other powered conveying machines
cars, bus, motorcycle			7				1	3	4	7	3	2	3		1		1	1		2	1		3	39	cars, bus, motorcycle
railway vehicle																									railway vehicle
other vehicles																									other vehicles
boiler																									boiler
pressure vessel			1																					1	pressure vessel
other pressure vessels										1														1	other pressure vessels
chemical facilities												1												1	chemical facilities
gas welding							1	1		1	1						1	1		2	1			9	gas welding

facilities			9		4		9	3	7	10	4	6	9	4	6	8	1	9	7	5	10	4	9	124	facilities
scaffolding							1		2	1			1	1									1	7	scaffolding
timbering																									timbering
stairs, landing stage			4		7		2	5	8	10	7	7	2	6	3	4	6	5	8	8	8	4	7	111	stairs, landing stage
opening					1			1		1			3					1		1	1	2		11	opening
roof, beam, haze, crossbeam, principal rafter			1					1		1		1						1	1	1	2	1		11	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			3		8		8	6	4	4	2	3	3	4	3	3	5	7	2	3	2	1	3	74	working platform, boot board
passage			16		13		13	22	12	15	12	10	16	18	16	11	14	10	15	17	12	17	31	290	passage
building, establishment			6		4		6	7	2	6	2	2	2	2	4	3	2	4	2	1	1	5	1	62	building, establishment
other temporary buildings, establishments			2		5		3	2		1	2	1	1	2	2	1	5	7	2	1	4		3	44	other temporary buildings, establishments
explosive substance										1														1	explosive substance
inflammable substance					2			1	1	1					2		2	1					2	12	inflammable substance
inflammable gas																									inflammable gas
harmful substance			5		3					1		2	3	1	1				1		2	1	1	21	harmful substance
radiation																									radiation
other hazards, harmful substances			1		2								1	1			1	1	2	1	2		1	13	other hazards, harmful substances

metal material			113		85		104	101	108	79	65	73	57	54	60	59	55	56	71	70	74	59	42	1,385	metal material
lumber, bamboo			3		4		1	2	4	2	3	3			4	1				4	1		3	35	lumber, bamboo
stone, sand, substance																			1				1	2	stone, sand, substance
other materials					3		4	4	4	2	4	3		3	4	1		1		2	5	3	2	45	other materials
load			17		15		28	19	20	31	12	12	10	11	10	19	9	11	16	13	7	7	16	283	load
machine/equipment as load			8		4		8	5	8		2	6	3	3	3	1	1	3	1	5	2	3	4	70	machine/equipment as load
natural ground, rock																1				2		1	1	5	natural ground, rock
standing tree																	1	1						2	standing tree
water					1																			1	water
abnormal environment																						1		1	abnormal environment
high/cold temperature environment			1				1		2	1					2	1			1	2	1	2		14	high/cold temperature environment
other environments					1			1					1	2	2	2	2	2	2	5	1	3	2	26	other environments
other causal agent			5		1		3	2	3	3			2	3	4	3	4	2	4	1	4		42	86	other causal agent
no causal agent			15		15		11	15	16	9	10	9	7	13	11	14	6	12	11	18	16	8	12	228	no causal agent
unclassifiable			1		1		1		1	1	1					2		1	1					10	unclassifiable
total			796		706		682	669	656	577	402	452	415	455	403	473	428	403	419	439	424	353	445	9,597	total

Workers age of fatal and non-fatal accidents in metal press products in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
19 years old or less	32	32	33	28	32	39	23	21	14	17	7	10	10	14	8	14	11	5	5	6	12	6	5	384	19 years old or less
20-29	127	162	158	130	130	141	124	131	91	84	64	73	68	70	75	69	73	69	65	69	58	53	64	2,148	20-29
30-39	137	167	123	136	125	146	130	121	130	118	76	96	80	83	67	93	94	78	76	72	75	67	81	2,371	30-39
40-49	190	166	133	126	102	127	114	109	108	107	71	84	85	115	88	113	86	94	100	96	112	81	95	2,502	40-49
50-59	267	281	237	220	201	218	166	169	174	126	87	97	77	89	65	73	77	66	76	99	84	66	121	3,136	50-59
60 years old or more	153	148	112	116	116	122	125	118	139	125	97	92	95	84	100	111	87	91	97	97	83	80	79	2,467	60 years old or more
total	906	956	796	756	706	793	682	669	656	577	402	452	415	455	403	473	428	403	419	439	424	353	445	13,008	total

Workers' number of workplace of fatal and non-fatal accidents in metal press products in 1999-2021

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	total	Workers scale
9 workers or less	361	388	297	287	248	286	238	223	205	180	126	122	139	130	120	133	124	112	103	97	83	79	68	4,149	9 workers or less
10-29	295	313	267	245	224	249	231	214	220	182	135	159	128	158	145	151	137	123	133	142	118	106	131	4,206	10-29
30-49	129	128	90	105	106	130	108	104	111	114	60	72	66	71	46	79	71	65	80	93	100	81	89	2,098	30-49
50-99	83	80	95	85	78	86	68	68	68	64	42	54	49	50	53	64	56	55	53	55	68	45	68	1,487	50-99
100-299	34	39	40	27	46	38	32	49	46	36	34	32	28	34	33	43	36	43	44	47	44	35	74	914	100-299
300 workers or more	4	8	7	7	4	4	5	11	6	1	5	13	5	12	6	3	4	5	6	5	11	7	15	154	300 workers or more
total	906	956	796	756	706	793	682	669	656	577	402	452	415	455	403	473	428	403	419	439	424	353	445	13,008	total

Month of fatal and non-fatal accidents in metal press products in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January	76	64	54	52	60	73	44	60	55	47	23	35	33	31	27	33	41	32	36	35	38	38	60	1,047	January
February	82	71	89	63	53	68	62	54	57	53	34	37	32	32	31	44	30	39	37	45	37	28	28	1,106	February
March	96	84	88	58	79	73	61	63	55	55	38	42	23	49	31	41	33	38	28	26	33	27	39	1,160	March
April	80	88	60	67	42	68	51	56	43	46	35	31	24	43	41	41	37	28	36	43	32	26	34	1,052	April
May	64	77	67	71	63	48	54	57	58	45	28	44	36	49	32	38	44	34	39	38	30	26	26	1,068	May
June	82	78	57	65	68	72	67	60	47	55	36	45	40	33	35	47	40	40	39	31	42	30	36	1,145	June
July	81	98	80	77	56	58	74	36	74	56	45	37	50	33	48	35	39	35	38	50	38	31	37	1,206	July
August	71	75	56	55	62	66	71	64	60	51	25	38	46	42	21	43	23	38	29	45	32	25	46	1,084	August
September	81	89	74	73	64	71	61	61	53	44	33	47	38	42	48	42	40	29	41	37	29	17	40	1,154	September
October	62	85	62	63	56	68	47	55	51	47	35	30	22	38	28	41	44	28	33	36	43	38	36	1,048	October
November	68	79	53	61	51	71	50	60	50	43	39	29	43	24	36	25	33	34	26	23	35	35	32	1,000	November
December	63	68	56	51	52	57	40	43	53	35	31	37	28	39	25	43	24	28	37	30	35	32	31	938	December
total	906	956	796	756	706	793	682	669	656	577	402	452	415	455	403	473	428	403	419	439	424	353	445	13,008	total

Prefecture of fatal and non-fatal accidents in metal press products in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido	8	2	2		7		6	5	3	1	4	1	3	2	1		1	3	1	2	1	1	3	57	Hokkaido
Aomori	2		1		1		1	1	2	1	1	1					2		1		1	1		16	Aomori

Iwate	10	2	4		2		1	2	2	3	2	2	2	1	1	4	1	4	4		3	1	3	54	Iwate
Miyagi	5	6	3		3		2	3	3			3		4		2	2	3		2	1	3	3	48	Miyagi
Akita	1	2	1		1		1	3	1	5	2	1	2	4	1		1		1	3		1		31	Akita
Yamagata	4	7	6		10		4	6	3	2	2	1	2	2	3	2	1	3	2	5	2	1	4	72	Yamagata
Fukushima	14	11	10		11		3	16	11	13	4	10	7	6	10	7	6	10	4	7	6	11	7	184	Fukushima
Ibaraki	42	56	49		26		18	17	21	21	11	21	25	11	15	22	16	16	24	14	16	21	19	481	Ibaraki
Tochigi	18	21	17		14		11	9	6	7	8	9	6	3	6	6	8	8	3	7	8	8	4	187	Tochigi
Gunma	29	44	29		17		36	29	30	30	16	21	23	17	13	30	17	19	21	15	15	10	18	479	Gunma
Saitama	60	75	64		47		33	42	41	37	35	27	20	30	20	25	29	15	26	24	14	15	25	704	Saitama
Chiba	31	29	23		23		29	24	17	18	17	11	12	11	13	13	17	18	21	22	10	6	37	402	Chiba
Tokyo	99	98	51		68		60	68	61	42	28	27	39	31	29	23	26	19	26	26	21	25	29	896	Tokyo
Kanagawa	42	42	26		19		22	16	25	19	10	14	12	16	13	15	14	6	9	12	5	6	12	355	Kanagawa
Niigata	54	57	48		55		36	37	37	28	24	43	25	36	30	31	29	26	26	28	38	32	34	754	Niigata
Toyama	10	2	10		9		10	8	7	5	4	7	3	4	5	2	9	7	4	3	2	6	9	126	Toyama
Ishikawa	5	7	10		4		9	6	3	7	2	2	4	2	4	2	3	5	2	7	4	1	3	92	Ishikawa
Fukui	1		1				2									2	3	1	3	1		1		17	Fukui
Yamanashi	7	15	10		5		4	1	5	5		5	3	2	1	2	2	3	2	7	7		1	87	Yamanashi
Nagano	12	14	23		26		19	21	26	18	9	15	7	7	15	15	17	19	14	11	13	12	9	322	Nagano
Gifu	20	15	24		18		10	13	10	14	11	15	9	7	13	13	3	9	10	8	9	3	9	243	Gifu
Shizuoka	54	50	25		43		29	33	45	36	16	20	21	25	37	37	31	29	26	33	32	27	25	674	Shizuoka
Aichi	79	91	93		80		97	76	73	73	52	54	58	55	46	69	57	56	59	62	60	51	48	1,389	Aichi
Mie	15	9	10		10		9	9	10	5	2	5	6	6	4	1	7	2	5	12	7	4	8	146	Mie
Shiga	13	21	10		8		11	16	17	10	4	3	3	10	8	7	5	4	9	6	9	3	8	185	Shiga

Kyoto	4	7	4		9		8	9	10	8	8	5	5	3	2	4	7	8	4	2	5	7	4	123	Kyoto
Osaka	145	153	139		83		126	125	100	97	68	74	59	87	67	86	67	62	59	42	57	50	43	1,789	Osaka
Hyogo	32	41	29		39		18	22	15	14	14	17	14	16	13	9	14	4	7	19	17	10	20	384	Hyogo
Nara	8	7	12		15		21	11	16	9	12	9	9	10	5	10	6	12	5	10	10	7	11	215	Nara
Wakayama	6	2	5		1			2	3	4	1	1	1	4		3	2	3	3	3	2	1	3	50	Wakayama
Tottori		3	1		4		1		1	3	2		1	3		1	2		3	3	2		3	33	Tottori
Shimane	4	5	1		1			1	2	3				1		1		2	2		3		1	27	Shimane
Okayama	8	8	10		8		9	11	7	4	5	4	5	9	2	7	6	4	7	4	1	6	6	131	Okayama
Hiroshima	13	7	9		7		9	8	10	6	4	6	5	7	9	4	4	10	4	13	10	4	20	169	Hiroshima
Yamaguchi		4	1				2	3	3	1			1	1	2		1							19	Yamaguchi
Tokushima	3	4	5		2		3	1	2	2	2	2	1		1	2	1	2	2	3	5	2		45	Tokushima
Kagawa	5	5	3		3		5	3	4	4	3	4	2	3		3	4	2	3	4	5	2	4	71	Kagawa
Ehime											2			1					1	1				5	Ehime
Kochi	3	2	1		2		2	1		4				2		1			1	3	4			26	Kochi
Fukuoka	30	27	17		18		9	6	16	12	7	6	11	9	9	11	5	7	13	7	12	10	9	251	Fukuoka
Saga	2		2		2		1	2			1		1	1	2	1			3	1			1	20	Saga
Nagasaki	1	2							1	2		1	1								1	1	1	11	Nagasaki
Kumamoto	4	2	2		3		3	2	4	2	6	3	5	1			1	1	1	2	1	1		44	Kumamoto
Oita	2	1	2		1									1						2				9	Oita
Miyazaki	1		2													1	1							5	Miyazaki
Kagoshima			1		1		1	1	3		1	2	2	1				1		2	3	2	1	22	Kagoshima
Okinawa							1			2	2			1					1	1		1		9	Okinawa
total	906	956	796		706		682	669	656	577	402	452	415	455	403	473	428	403	419	439	424	353	445	11,459	total

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more. 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.htm> (MHLW, Japan)

Return to https://www.jisha.or.jp/english/statistics/2021e_industry.html

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Fatal accidents in metal press products in Japan in 1999-2021

metal press products industry Code No.011203

Type of fatal accidents in metal press products in 1999-2021

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	total	Type of accidents	
fall from height		1			1											1								3	fall from height	
falling to same level																	1					1		2	falling to same level	
crash																										crash
struck by flying or falling object	2			1	1	1									1						1	1		8	struck by flying or falling object	
collapse				1	1																			2	collapse	
crashed by																					1			1	crashed by	
caught in/between	1	2	2	2		1		2		1	1	1	1	1	1	1					1	1		19	caught in/between	

cut																								cut	
injury to the sole of the foot																								injury to the sole of the foot	
drown																								drown	
contact to high/low-temperature							1	1															2	contact to high/low-temperature	
contact to harmful substance	1			1									1										3	contact to harmful substance	
electric shock																								electric shock	
explosion																								explosion	
burst																								burst	
fire																								fire	
traffic accident (public road)	3		1																			1	5	traffic accident (public road)	
traffic accident (others)																								traffic accident (others)	
reaction to motion/improper motion																								reaction to motion/improper motion	
others																			2			1	3	others	
unclassifiable																								unclassifiable	
total	7	3	3	5	3	2	1	3		1	1	1	2	1	2	2	1			2	3	3	2	48	total

Causal agents (large) of fatal accidents in metal press products in 1999-2021

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	total	Causal (L) agents	
machine	3	2		2	1	1		1		1	1		1	1	1	1						1		17	machine	
crane, conveying machine	3		3	1	1	1		1				1									2	1	1	15	crane, conveying machine	
other equipment					1																1			2	other equipment	
temporary buildings, establishments		1															1						1	3	temporary buildings, establishments	
substance, material	1			2				1					1		1										6	substance, material
load																1								1	load	
environment							1																	1	environment	
others																				2			1	3	others	
total	7	3	3	5	3	2	1	3		1	1	1	2	1	2	2	1			2	3	3	2	48	total	

Causal agents (middle) of fatal accidents in metal press products in 1999-2021

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	total	Causal (M)
-------------------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	-------	------------

welding equipment																								welding equipment
kiln, caldron																								kiln, caldron
electric equipment																								electric equipment
human power machine, tools																			1				1	human power machine, tools
tools				1																			1	tools
other equipments, facilities																								other equipments, facilities
temporary buildings, establishments		1												1								1	3	temporary buildings, establishments
hazards, harmful substances	1			1			1					1											4	hazards, harmful substances
materials				1									1										2	materials
load														1									1	load
natural environment						1																	1	natural environment
other causal agent																		1				1	2	other causal agent
no causal agent																		1					1	no causal agent

inflammable substance							1															1	inflammable substance
inflammable gas																							inflammable gas
harmful substance	1			1								1										3	harmful substance
radiation																							radiation
other hazards, harmful substances																							other hazards, harmful substances
metal material				1										1								2	metal material
lumber, bamboo																							lumber, bamboo
stone, sand, substance																							stone, sand, substance
other materials																							other materials
load														1								1	load
machine/equipment as load																							machine/equipment as load
natural ground, rock																							natural ground, rock
standing tree																							standing tree
water																							water
abnormal environment																							abnormal environment
high/cold temperature environment							1															1	high/cold temperature environment

30-49	1			1				1		1	1		1		1			1	1	2		12	30-49		
50-99	2		1		1									1							1		6	50-99	
100-299					1			1													1		1	4	100-299
300 workers or more			1	1																			2	300 workers or more	
total	7	3	3	5	3	2	1	3		1	1	1	2	1	2	2	1			2	3	3	2	48	total

Month of fatal accidents in metal press products in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month	
January					1	1										1					1			1	5	January
February	2	1		1																					4	February
March		1						2			1		1												5	March
April								1		1				1								1			4	April
May			1		1																			1	3	May
June	3	1		2			1						1												8	June
July	1															1						1	2		5	July
August						1																			1	August
September				1											1		1				1				4	September
October			2	1	1							1			1							1			7	October
November																							1		1	November
December	1																								1	December
total	7	3	3	5	3	2	1	3		1	1	1	2	1	2	2	1			2	3	3	2	48	total	

Prefecture of fatal accidents in metal press products in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido																									Hokkaido
Aomori																									Aomori
Iwate																									Iwate
Miyagi																									Miyagi
Akita																									Akita
Yamagata																									Yamagata
Fukushima	1																				1			2	Fukushima
Ibaraki																									Ibaraki
Tochigi						1																		1	Tochigi
Gunma	1														1									2	Gunma
Saitama				1																	1			2	Saitama
Chiba							1																1	2	Chiba
Tokyo	1												1								1			3	Tokyo
Kanagawa																									Kanagawa
Niigata	1			1							1													3	Niigata
Toyama			1																					1	Toyama
Ishikawa				1																				1	Ishikawa
Fukui																									Fukui
Yamanashi																					1			1	Yamanashi

