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

contact to harmful substance	1	1	5	3	3					1		1	3	2	2		2	1	2		3	1	1		contact to harmful substance
electric shock	1		3											1	2	1							2	10	electric shock
explosion		1								1								1					1	4	explosion
burst	1		2			1	1			1		1					1							8	burst
fire	1				2	1			1	1					3			1					2	12	fire
traffic accident (public road)	14	1	7	3		4	1	5	5	5	1	2	3		3		2	5	1	2	1		2	67	traffic accident (public road)
traffic accident (others)	1								1										1					3	traffic accident (others)
reaction to motion/improper motion	26	37	37	32	21	32	34	27	35	34	25	32	18	20	23	30	15	20	32	29	29	14	26	628	reaction to motion/improper motion
others	2	1	1		3	3		1		1	1				1	4	3	2	1	2	3	1	42	72	others
unclassifiable			1		1		1	1	1		1			1	1		2		1					11	unclassifiable
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

Causal agents (large) of fatal and non-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)
causar (2) agents		2000	2001	2002	2003	2001	2003	2000	2007	2000	2003	2010	2011	2012	2013	2011	2013	2010	2017	2010	2013	2020	2021		agents
machine	570	611	455	408	411	449	381	358	339	278	186	238	221	238	207	251	233	179	181	190	178	159	168	6,889	machine
crane, conveying																									crane,

machine	67	54	52	40	39	55	48	42	49	40	39	30	24	31	27	31	27	37	32	30	40	29	43	906	conveying
machine																									machine
other equipment	81	87	88	77	81	71	59	75	73	89	55	52	58	61	38	67	53	62	65	63	61	47	59	1,522	other
other equipment	01	67	00		01		39	/ 3	/3	09			36	01	36	67)33	02	03	03	01	47		1,322	equipment
																									temporary
temporary buildings, establishments	40	32	32	42	38	46	33	44	28	39	25	24	28	34	28	22	32	35	30	32	30	30	46	770	buildings,
establishments																									establishments
substance material	115	114	122	148	99	132	109	108	117	86	72	81	61	59	71	61	58	59	75	77	84	63	52	2,023	substance,
substance, material	113	114	122	140	99	132	109	100	117	80	/2	01	01	39	/ 1	01	36	39	/3		04	03	32	2,023	material
load	22	38	25	26	19	23	36	24	28	31	14	18	13	14	13	20	10	14	17	18	9	10	20	462	load
environment			1	1	2	2	1	1	2	1			1	2	4	4	3	3	3	9	2	7	3	52	environment
others	11	20	21	14	17	15	15	17	20	13	11	9	9	16	15	17	12	14	16	20	20	8	54	384	others
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

Causal agents (middle) of fatal and non-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) agents
engine							1																	1	engine
power transmission mechanism	1		1	4	2	2	1	2	2		1	2		3	1	1	4	3	1	4		1	1	37	power transmission mechanism
woodworking machine	4	1	3	4	1	1	2		4	2	1	2		1		2		1	1		3	1	2	36	woodworking machine

construction machine					1									1		1			1		1			5	construction machine
metal manufacturing machine	536	586	427	370	386	408	356	333	321	255	171	215	213	223	198	233	212	167	160	172	151	150	153	6,396	metal manufacturing machine
general machine	29	24	24	30	21	38	21	23	12	21	13	19	8	10	8	14	17	8	18	14	23	7	12	414	general machine
mobile silviculture machine																									mobile silviculture machine
crane	14	7	7	10	14	15	12	15	15	10	9	9	5	9	7	10	6	9	11	7	13	7	11	232	crane
conveying machine	45	47	38	26	25	36	35	24	30	23	27	19	16	22	19	21	20	27	21	21	26	22	29	619	conveying machine
vehicle	8		7	4		4	1	3	4	7	3	2	3		1		1	1		2	1		3	55	vehicle
pressure vessel		1	1							1														3	pressure vessel
chemical facilities												1												1	chemical facilities
welding equipment	14	20	18	15	15	10	11	13	13	16	10	8	5	11	5	21	6	13	6	15	13	10	8	276	welding equipment
kiln, caldron		1	1						1		2		1	1		2			1	1				11	kiln, caldron
electric equipment			1		1	1	1	1		1				3				2		1		1		13	electric equipment
human power machine, tools	29	28	25	25	28	26	17	25	23	30	13	21	13	22	11	18	16	15	30	14	19	14	17	479	human power machine, tools

tools	30	32	33	30	33	32	21	33	29	31	26	16	30	20	16	18	30	23	21	27	19	18	25	593	tools
other equipments,	8	5	9	7	4	2	9	3	7	10	4	6	9	4	6	8	1	9	7	5	10	4	9	146	other equipments, facilities
temporary buildings, establishments	40	32	32	42	38	46	33	44	28	39	25	24	28	34	28	22	32	35	30	32	30	30	46	770	temporary buildings, establishments
hazards, harmful substances	4	2	6	4	7	2		1	1	3		2	4	2	3		3	2	3	1	4	1	4	59	hazards, harmful substances
materials	111	112	116	144	92	130	109	107	116	83	72	79	57	57	68	61	55	57	72	76	80	62	48	1,964	materials
load	22	38	25	26	19	23	36	24	28	31	14	18	13	14	13	20	10	14	17	18	9	10	20	462	load
natural environment			1	1	2	2	1	1	2	1			1	2	4	4	3	3	3	9	2	7	3	52	natural environment
other causal agent	1	7	5	1	1	3	3	2	3	3			2	3	4	3	4	2	4	1	4		42	98	other causal
no causal agent	10	12	15	13	15	12	11	15	16	9	10	9	7	13	11	14	6	12	11	18	16	8	12	275	no causal agent
unclassifiable		1	1		1		1		1	1	1						2		1	1				11	unclassifiable
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

Causal agents (small) of fatal and non-fatal accidents in metal press products in 1999-2021

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	total	Causal (S) agents

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						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															1					1	foundation work

hardening machine													1					1			2	hardening machine
demolition machine											1										1	demolition machine
vehicle for high lift																						vehicle for high lift
work																						work
other construction			1																		1	other construction
machines																						machines
lathe	9		9	5	7	6	4	6	1	9	8	4	1	3	8	2	3	5	4	6	100	lathe
drill press, milling	23		10	14	16	18	14	11	16	12	10	13	15	8	15	4	12	8	9	8	236	drill press, milling
machine				14		10	14			12		٦٦	دا		13		12	6	9	0		machine
grinding machine,	15		12	9	16	14	9	5	12	5	3	10	14	8	8	4	4	11	5	5	169	grinding machine,
buffing machine																	Ľ				105	buffing machine
power press	33	34	303	285	251	233	197	127	159	159	174	156	170	155	113	118	123	99	103	104	3,363	power press
forging pressure	1			1			1			1			1	1		1			2	1	10	forging pressure
hammer				•			•			•			•			•				•		hammer
shearing machine	5		10	4	4	10	6	5	6	3	5	2	2	5	4	4	4	2	1		82	shearing machine
other metal																						other metal
manufacturing	40)	42	38	39	40	24	17	21	24	23	13	30	32	19	27	26	26	26	29	536	manufacturing
machines																						machines
centrifugal machine									1					1				1			3	centrifugal machine
mixer, grinder								1									1				2	mixer, grinder
roll machine (except																						roll machine (except
printingroll	5		5	6	4	6	4	3	2	2	3	1	4		1	6	3	2	3	1	61	printingroll
machine)																						machine)
injection molding																						injection molding

machine			1		1				1				1	1		1					6	machine
food manufacturing									1												1	food manufacturing
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																						lumberyard
equipment, logging																						equipment, logging
cableway																						cableway

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simple skyline yarding equipment																								simple skyline yarding equipment
other powered										1					1								2	other powered
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,		7				1	3	4	7	3	2	3		1		1	1		2	1		3	39	cars, bus,
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

equipment																						equipment
arc welding equipment	4		4	3	3	7	4	2		1	1	2	4	2	2	1	1	2	2	1	46	arc welding equipment
other welding equipment	14	1	11	7	9	6	11	7	8	4	10	3	17	3	10	5	12	10	8	7	162	other welding equipment
kiln, caldron	1							1		1	1					1	1				6	kiln, caldron
industrial dryer						1		1					1								3	industrial dryer
other kiln, caldron													1								1	other kiln, caldron
transmission			1	1							2				1		1		1		7	transmission
electric power	1										1				1						3	electric power facilities
other electrical equipment					1		1														2	other electrical equipment
human power cranes				1	2	1			1		1		1	1		2		4	4	1	19	human power cranes
human power hauling equipment	10)	13	10	12	16	13	7	14	9	15	7	8	9	10	15	8	10	4	11	201	human power hauling equipment
human power machine	5		6		2		4	1	1		1	1		1	1	2	2	1	2	2	32	human power machine
hand tool	10)	9	6	9	6	13	5	5	4	5	3	9	5	4	11	4	4	4	3	119	hand tool
ladder	10)	14	3	9	8	12	9	5	8	6	4		7	7	6	7	6	9	5	135	ladder
slinging tool	6		5	2	8	8	4	6	2	6	3	1	6	7	4	4	7		1	6	86	slinging tool
other tools	17	7	14	16	16	13	15	11	9	16	11	11	12	16	12	11	13	13	8	14	248	other tools
other equipment,																						other equipment,

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	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,		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	3	4	1	2	4	2	3	3			4	1				4	1		3	35	lumber, bamboo
stone, sand,																	1				1		stone, sand,
substance																							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			0	4	0	5				6			2	1	1	3		5	_		4	70	machine/equipment
as load			8	4	8	5	8		2	0	3	3	3	I	ı	3		5	2	3	4		as load
natural ground,														1				2		1	1	5	natural ground,
rock														ı				2					rock
standing tree															1	1						2	standing tree
water				1																		1	water
abnormal																							abnormal
environment																							environment
high/cold																							high/cold
temperature			1		1		2	1					2	1			1	2	1	2		14	temperature
environment																							environment
other environments				1		1					1	2	2	2	2	2	2	5	1	3	2	26	other environments
other causal agent		5	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

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	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																									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

lwate	10	2	4	2	1	2	2	3	2	2	2	1	1	4	1	4	4		3	1	3	54	lwate
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	2			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

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

l 									 								 						
cut																							cut
injury to the sole of																							injury to the sole
the foot																							of the foot
drown																							drown
contact to high/low-																							contact to
temperature							1	1														2	high/low-
																							temperature
contact to harmful																							contact to
substance	1			1								1										3	harmful
																							substance
electric shock																							electric shock
explosion																							explosion
burst																							burst
fire																							fire
traffic accident (public			_																		1	_	traffic accident
road)	3																				I	5	(public road)
																							traffic accident
traffic accident (others)																							(others)
reaction to																							reaction to
motion/improper																							motion/improper
motion																							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		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		crane, conveying machine
other equipment					1																1			2	other equipment
temporary buildings, establishments		1															1					1			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)	
Causal (M) agents	1999	2000 2	2001 2	2002 2	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total		

																					agents
engine																					engine
power transmission mechanism																					power transmission mechanism
woodworking machine																					woodworking machine
construction machine																					construction machine
metal manufacturing machine	3	2		2	1	1	1	1			1	1	1	1				1		16	metal manufacturing machine
general machine									1											1	general machine
mobile silviculture machine																					mobile silviculture machine
crane						1	1										1			3	crane
conveying machine	1		2	1	1					1							1	1	1	9	conveying machine
vehicle	2		1																	3	vehicle
pressure vessel																					pressure vessel
chemical facilities																					chemical facilities

welding equipment																			welding
																			equipment
kiln, caldron																			kiln, caldron
electric equipment																			electric equipment
human power machine,															1			1	human power
tools				1														1	tools
other equipments,																			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

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 (small) of fatal accidents in metal press products in 1999-2021

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	total	Causal (S) agents
engine																									engine
power transmission mechanism																									power transmission mechanism
circular sawing machine																									circular sawing machine
band sawing machine																									band sawing machine
wood planer machine																									wood planer machine
hollow chisel mortiser, wood borer																									hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine																									chamfering machine, router, woodworking milling machine
chain saw																									chain saw
other woodworking																									other woodworking

machines																	machines
leveling,																	leveling,
transporting or																	transporting or
loading machine																	loading machine
excavating machine																	excavating machine
foundation work																	foundation work
machine																	machine
hardening machine																	hardening machine
demolition machine																	demolition machine
vehicle for high lift																	vehicle for high lift
work																	work
other construction																	other construction
machines																	machines
lathe	1						1		1			1				4	lathe
drill press, milling																	drill press, milling
machine																	machine
grinding machine,			1													1	grinding machine,
buffing machine																	buffing machine
power press	2	1			1					1	1				1	7	power press
forging pressure																	forging pressure
hammer																	hammer
shearing machine		1														1	shearing machine
other metal																	other metal
manufacturing			1	1		1										3	manufacturing

machines														machines
centrifugal machine														centrifugal machine
mixer, grinder														mixer, grinder
roll machine (except printingroll machine)														roll machine (except printingroll machine)
injection molding machine														injection molding machine
food manufacturing machine														food manufacturing machine
printing machine														printing machine
industrial robot														industrial robot
other general power machines						1							1	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											1		1	crane
mobile crane														mobile crane
derrick crane														derrick crane

ı 		 				 											
elevator, lift						1										1	elevator, lift
cargo lifting																	cargo lifting
appliance																	appliance
gondola																	gondola
lumberyard																	lumberyard
equipment, logging																	equipment, logging
cableway																	cableway
simple skyline																	simple skyline
yarding equipment																	yarding equipment
other powered					1											1	other powered
crane					1												crane
truck	1														1	2	truck
forklift		1		1				1						1		4	forklift
railway equipment																	railway equipment
conveyor																	conveyor
loader																	loader
straddle carrier																	straddle carrier
rough terrain hauler																	rough terrain hauler
other powered																	other powered
conveying machines		I	ı										I			3	conveying machines
cars, bus,	,	1														2	cars, bus,
motorcycle	2	ı														3	motorcycle
railway vehicle																	railway vehicle
other vehicles																	other vehicles

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

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

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

other environments																							other environments
other causal agent																		1			1	2	other causal agent
no causal agent																		1				1	no causal agent
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

Workers age of 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																					1			1	19 years old or less
20-29	1		1	1		1				1				1										6	20-29
30-39	3	1		1				1					1									1		8	30-39
40-49	1				1		1					1			1	1					1			7	40-49
50-59		2		1	1			2			1				1					1				9	50-59
60 years old or more	2		2	2	1	1							1			1	1			1	1	2	2	17	60 years old 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

Workers' number of workplace of 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	2	1	1		1	1	1	1							1					1			1	11	9 workers or less
10-29	2	2		3		1						1	1			2						1		13	10-29

30-49	1			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			1	1																		2	300 workers or
more																							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	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
lwate																									lwate
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

Nagano			1																1	Nagano
Gifu					1														1	Gifu
Shizuoka		1											1	1			1		4	Shizuoka
Aichi			1	2			1									1	1		6	Aichi
Mie																				Mie
Shiga		1					1												2	Shiga
Kyoto																				Kyoto
Osaka					1		1		1		1						1		5	Osaka
Hyogo		1			1													1	3	Hyogo
Nara						1							1						2	Nara
Wakayama	2																		2	Wakayama
Tottori																				Tottori
Shimane																				Shimane
Okayama																				Okayama
Hiroshima																				Hiroshima
Yamaguchi												1							1	Yamaguchi
Tokushima								1											1	Tokushima
Kagawa																				Kagawa
Ehime																				Ehime
Kochi																				Kochi
Fukuoka										1									1	Fukuoka
Saga																				Saga
Nagasaki	1																		1	Nagasaki

Kumamoto																							Kumamoto
Oita																							Oita
Miyazaki																							Miyazaki
Kagoshima																							Kagoshima
Okinawa																							Okinawa
total	7	3	3	5	3	2	1	3	1	1	1	2	1	2	2	1		2	3	3	2	48	total

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

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