Fatal and non-fatal accidents in other printing and bookbinding in Japan in 1999-2021

other printing and bookbinding industry Code No.010709

Type of accidents in other printing and bookbinding 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	3	7	4	10	10	8	8	8	7	9	3	2	2	2	4	2	3	7	6	6	11	8	13	143	fall from height
falling to same level	10	13	12	10	8	12	15	11	15	5	9	4	13	10	13	15	4	9	12	9	8	14	12	243	falling to same level
crash	2	3	4		7	4	3	1	3	4	2	2	7	1	2	2	3	2	1	4	2	2	2	63	crash
struck by flying or falling object	4	3	2	4	2	5	8	2	2	4	3	3	4	2	1		2	1	1	5	1		3	62	struck by flying or falling object
collapse		1	2	2	3		1		1		1	1	1	1	2	1	2			4	1	1	1	26	collapse
crashed by	2	4	3	3	2	2	3	4	2	3	1	3		1		3	3	1	3	1	1	3	4	52	crashed by
caught in/between	42	48	50	50	50	46	57	44	29	38	27	31	26	29	21	22	27	17	24	23	19	24	23	767	caught in/between
cut	7	5	11	7	8	10	3	12	8	10	5	6	7	5	6	5	6	4	4	8	5	5	6	153	cut
injury to the sole of the foot										1														1	injury to the sole of the foot
drown																									drown
contact to high/low- temperature				2	1								1	1		1			1		2	1	1	11	contact to high/low- temperature

contact to harmful																									contact to
substance	3			1		1							1	1					1			1		9	harmful
substance																									substance
electric shock										1														1	electric shock
explosion																									explosion
burst																									burst
fire																									fire
traffic accident (public	3			1	1			7	1		4							1	1			1		49	traffic accident
road)	3	4	5	I		2	2	/	1	2	4		3	2	2	3		I	I			I	4		(public road)
traffic accident																									traffic accident
(others)																									(others)
reaction to																									reaction to
motion/improper	6	4	9	8	7	8	9	9	8	10	5	6	4	3	4	3	5	2	6	11	12	5	6	150	motion/improper
motion																									motion
others			1		1		1						1				2					1	5	12	others
unclassifiable	1			1				1	1											1				5	unclassifiable
total	83	92	103	99	100	98	110	99	77	87	60	58	70	58	55	57	57	44	60	72	62	66	80	1,747	total

Causal agents (large) of fatal and non-fatal accidents in other printing and bookbinding 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 (L) agents		2000	2001	2002	2003	2004	2003	2000	2007	2000	2007	2010	2011	2012	2013	2014	2013	2010	2017	2010	2013	2020	2021	ll l	agents
machine	38	42	52	52	50	50	53	46	33	40	30	33	31	32	22	23	29	22	19	28	21	22	28	796	machine
crane, conveying																									crane,

machine	9	14	12	11	8	13	10	18	6	11	6	8	8	5	6	7	4	4	6	4	2	4	8	184	conveying
macrime																									machine
ather equipment	6	8	9	8	14	10	13	13	13	9	5	3	5	6	11	10	7	4	12	8	14	15	13	216	other
other equipment	6	0	9	0	14	10	13	13	13		5	3	3	6		10			12	0	14	13	13	210	equipment
to manage my buildings																									temporary
temporary buildings, establishments	12	13	11	10	14	11	17	12	14	7	9	4	12	7	9	9	6	11	9	16	14	12	16	255	buildings,
establishments																									establishments
substance material	9	5	6	3	4	6	6	3	2	5	4	5	6	3	1	1	4		3	3	3	2	3	87	substance,
substance, material				3	4	0	6	3				J					4			3			<u></u>	67	material
load	5	5	7	9	8	3	4	2	5	8	4	4	4	2	1	3	4	3	6	8	2	4	5	106	load
environment			1	1		1				1				2	1	1			1		1	2	1	13	environment
others	4	5	5	5	2	4	7	5	4	6	2	1	4	1	4	3	3		4	5	5	5	6	90	others
total	83	92	103	99	100	98	110	99	77	87	60	58	70	58	55	57	57	44	60	72	62	66	80	1,747	total

Causal agents (middle) of fatal and non-fatal accidents in other printing and bookbinding 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																									engine
power transmission mechanism	3	1	3	1			1			1		4		3	1		1			1	1	1		22	power transmission mechanism
woodworking machine			2			1				1				1		1				1		1		8	woodworking machine

construction machine																				1				 1	construction
																									machine
metal manufacturing																									metal
machine	4	2	3	2	6	1	5	4	5	1	1	2	3	1	1	3	4	2	1	3		2		56	manufacturing
																									machine
general machine	31	39	44	49	44	48	47	42	28	37	29	27	28	27	20	19	24	20	18	22	20	18	28	709	general
																									machine
mobile silviculture																									mobile
machine																									silviculture
																									machine
crane		1	1		1	2																		5	crane
conveying machine	7	8	5	9	5	8	7	10	5	10	3	8	5	2	3	4	4	3	5	4	1	3	4	123	conveying
, ,																									machine
vehicle	2	5	6	2	2	3	3	8	1	1	3		3	3	3	3		1	1		1	1	4	56	vehicle
pressure vessel																									pressure vessel
chemical facilities																									chemical
Chemical facilities																									facilities
welding equipment			1																					1	welding
weiding equipment																								•	equipment
kiln, caldron					1																	1		2	kiln, caldron
alastris asulianast				1			1												1					3	electric
electric equipment																			I					3	equipment
human power machine,					5		1	,	2	2	,	1		1	5		4			1	2		5	76	human power
tools	4	6	2	2] 	5		3	3	3	3) 	6	4	2	5		3	6	<u> </u>	/6	machine, tools

tools	2	1	4	3	7	4	10	9	9	3	1	2	5	2	6	2	1	2	4	5	7	6	7	102	tools
other equipments,		1	2	2	1	1	1	1	1	3	1			3		2	2		2	2	4	2	1	32	other equipments, facilities
temporary buildings, establishments	12	13	11	10	14	11	17	12	14	7	9	4	12	7	9	9	6	11	9	16	14	12	16	255	temporary buildings, establishments
hazards, harmful substances	3			1									2	1			1		1			1	1	11	hazards, harmful substances
materials	6	5	6	2	4	6	6	3	2	5	4	5	4	2	1	1	3		2	3	3	1	2	76	materials
load	5	5	7	9	8	3	4	2	5	8	4	4	4	2	1	3	4	3	6	8	2	4	5	106	load
natural environment			1	1		1				1				2	1	1			1		1	2	1	13	natural environment
other causal agent		2			1					1			2		2	1	1		1			2	5	18	other causal
no causal agent	2	3	5	4	1	3	7	4	4	5	2	1	2	1	2	1	2		3	5	5	3	1	66	no causal agent
unclassifiable	2			1		1		1								1								6	unclassifiable
total	83	92	103	99	100	98	110	99	77	87	60	58	70	58	55	57	57	44	60	72	62	66	80	1,747	total

Causal agents (small) of fatal and non-fatal accidents in other printing and bookbinding 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		3		1		1	4	3	1		1		1	1	1	17	power transmission mechanism
circular sawing machine						1		1		1			1			4	circular sawing machine
band sawing machine																	band sawing machine
wood planer machine															1	1	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 machines		2														2	other woodworking machines
leveling, transporting or loading machine																	leveling, transporting or loading machine
excavating machine																	excavating machine
foundation work																	foundation work

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hardening machine																					hardening machine
demolition machine																					demolition machine
vehicle for high lift																	1			1	vehicle for high lift
work																					work
other construction																					other construction
machines																					machines
lathe		1		1								1								3	lathe
drill press, milling																					drill press, milling
machine																					machine
grinding machine,			1							1							1	1		4	grinding machine,
buffing machine			•														ľ				buffing machine
power press			1	1	2	1			1	1				2		1		1		11	power press
forging pressure																					forging pressure
hammer																					hammer
shearing machine		2	3	2	2	3	1	1	1	1	1		2	1	2		1			23	shearing machine
other metal																					other metal
manufacturing			1	1		1							1	1			1			6	manufacturing
machines																					machines
centrifugal machine																					centrifugal machine
mixer, grinder			1	1							2							1		5	mixer, grinder
roll machine (except																					roll machine (except
printingroll		2	1	5	1	2	3	3	3	2	1	1	5	3	2	1	1	3	1	40	printingroll
machine)																					machine)
injection molding																					injection molding

machine					1			1									1				3	machine
food manufacturing machine																						food manufacturing
printing machine		23	27	23	26	15	18	14	17	22	14	12	12	14	13	12	9	11	10	21	313	printing machine
industrial robot																						industrial robot
other general power machines		19	15	18	14	11	16	11	7	4	10	7	2	7	5	5	11	9	4	6	181	other general power machines
felling machine																						felling machine
mobile logging																						mobile logging machine
skyline yarding machine																						skyline yarding machine
other mobile																						other mobile
silviculture machine																						silviculture machine
crane		1																			1	crane
mobile crane																						mobile crane
derrick crane																						derrick crane
elevator, lift			1																		1	elevator, lift
cargo lifting appliance																						cargo lifting appliance
gondola																						gondola
lumberyard																						lumberyard
equipment, logging																						equipment, logging
cableway																						cableway

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simple skyline																							simple skyline
yarding equipment																							yarding equipment
other powered																							other powered
crane																							crane
truck		1			1	2		3	2	1		1		1	1	2				1		16	truck
forklift		4	2		5	4	3	5	1	5	3		2		3	1	3	3	1	2	4	51	forklift
railway equipment																							railway equipment
conveyor			3		1	2	1	2			1	1		3			2	1				17	conveyor
loader																							loader
straddle carrier																							straddle carrier
rough terrain hauler																							rough terrain hauler
other powered						2	1			2												7	other powered
conveying machines																							conveying machines
cars, bus,		6	2		2	7	1	1	3		3	3	3	3		1	1		1	1	4	42	cars, bus,
motorcycle							<u> </u>																motorcycle
railway vehicle																							railway vehicle
other vehicles					1	1																2	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 equipment																						arc welding equipment
other welding equipment		1																			1	other welding equipment
kiln, caldron			1																		1	kiln, caldron
industrial dryer																			1		1	industrial dryer
other kiln, caldron																						other kiln, caldron
transmission				1																	1	transmission
electric power facilities																						electric power
other electrical equipment																1					1	other electrical equipment
human power cranes																		1		2	3	human power cranes
human power hauling equipment		1	4	1			3	2			1	3	3	3	2	2		1	2	3	31	human power hauling equipment
human power machine													1			1					2	human power
hand tool		1	1		3	3		1	1			2	2	1		2	1	1	4		23	hand tool
ladder			4	2	2	3	2	1	2	2		2	1		2	2		4	3	3	35	ladder
slinging tool				1																	1	slinging tool
other tools		4	3	7	7	6	1			3	2	4	1	1		2	5	3	3	4	56	other tools
other equipment,																						other equipment,

facilities		2	1	1	1	1	3	1			3		2	2		2	2	4	2	1	28	facilities
scaffolding											1							1			2	scaffolding
timbering																						timbering
stairs, landing stage		3	3	4	5	1	1	6		2		4	3	3	2	4	6	5	4	6	62	stairs, landing stage
opening							1				1									1	3	opening
roof, beam, haze, crossbeam, principal rafter						1										1			1			roof, beam, haze, crossbeam, principal rafter
working platform, boot board		1		2	3	3	2	1		1	1		1		2	1	2	1		1	22	working platform, boot board
passage		3	2	5	3	5	1	2	2	6	3	5	4	2	5	2	7	2	4	4	67	passage
building, establishment		1	6	3	1	1	2		1	3			1		2			2	2	3	28	building, establishment
other temporary buildings, establishments		3	3	3		3			1		1			1		1	1	3	1	1	22	other temporary buildings, establishments
explosive substance																						explosive substance
inflammable substance										1				1							2	inflammable substance
inflammable gas																						inflammable gas
harmful substance										1									1		2	harmful substance
radiation																						radiation
other hazards,											1					1				1	3	other hazards, harmful substances

													<u> </u>	<u></u>								
metal material		1	2	2	2		3	2	1	1	1		1	2		1	1	2	1		23	metal material
lumber, bamboo		1					1		1												3	lumber, bamboo
stone, sand,										1											1	stone, sand,
substance																						substance
other materials		4	2	4	1	2	1	2	3	2	1	1		1		1	2	1		2	30	other materials
load		7	8	4	2	4	7	4	4	4	2	1	3	4	3	6	8	2	4	5	82	load
machine/equipment						1	1															machine/equipment
as load						I															2	as load
natural ground,																						natural ground,
rock																						rock
standing tree																						standing tree
water																						water
abnormal																						abnormal
environment																						environment
high/cold																						high/cold
temperature											1							1	1		3	temperature
environment																						environment
other environments		1					1				1	1	1			1			1	1	8	other environments
other causal agent			1				1			2		2	1	1		1			2	5	16	other causal agent
no causal agent		5	1	7	4	4	5	2	1	2	1	2	1	2		3	5	5	3	1	54	no causal agent
unclassifiable					1								1								2	unclassifiable
total		103	100	110	99	77	87	60	58	70	58	55	57	57	44	60	72	62	66	80	1,375	total

Workers age of fatal and non-fatal accidents in other printing and bookbinding 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	4	5	7	3	3	4	5	2	1	1	1	3		1	3	1	1			1		1	1	48	19 years old or less
20-29	23	20	26	25	28	25	27	24	15	24	15	12	8	7	7	5	8	7	16	11	7	4	12	356	20-29
30-39	16	17	23	20	22	29	28	27	28	24	14	17	27	20	11	22	19	9	12	15	8	11	19	438	30-39
40-49	22	17	16	19	13	14	12	18	6	17	13	11	13	14	10	11	20	18	17	20	19	16	16	352	40-49
50-59	14	25	25	21	21	18	26	17	19	9	5	7	14	8	17	11	4	4	12	14	20	20	21	352	50-59
60 years old or	4	8	6	11	13	8	12	11	8	12	12	8	8	8	7	7	5	6	3	11	8	14	11	201	60 years old or
more										12	12													201	more
total	83	92	103	99	100	98	110	99	77	87	60	58	70	58	55	57	57	44	60	72	62	66	80	1,747	total

Workers' number of workplace of fatal and non-fatal accidents in other printing and bookbinding 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	13	22	14	19	14	12	12	12	15	12	9	7	13	10	10	6	3	8	5	6	9	10	12	253	9 workers or less
10-29	16	25	36	18	27	30	31	29	18	24	15	21	19	15	11	16	17	13	16	19	10	13	18	457	10-29
30-49	16	18	10	18	16	10	13	12	9	13	10	8	19	6	8	4	14	7	10	12	16	8	11	268	30-49
50-99	18	11	21	20	19	20	26	20	18	22	10	11	9	13	13	13	12	3	20	12	11	13	14	349	50-99
100-299	14	11	19	15	18	22	24	24	16	13	16	10	7	11	8	18	8	12	6	19	13	17	16	337	100-299
300 workers or	6	5	3	9	6	4	4	2	1	3		1	3	3	5		3	1	3	4	3	5	9	83	300 workers or
more												<u> </u>													more
total	83	92	103	99	100	98	110	99	77	87	60	58	70	58	55	57	57	44	60	72	62	66	80	1,747	total

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	4	5	9	7	10	13	3	18	6	6	8	5	4	7	6	4	3	6	6	5	5	7	7	154	January
February	7	8	4	10	3	6	13	7	9	13	4	3	6	8	1	5	5	5	5	5	6	5	12	150	February
March	4	11	7	10	8	10	18	8	11	5	9	11	6	9	4	6	6	4	3	7	5	7	10	179	March
April	5	6	8	4	8	6	13	11	16	3	10	2	4	6	4	5	3	3	8	6	5	9	5	150	April
May	4	9	11	9	9	7	9	9	7	8	5	2	8	1	5	2	2	3	3	3	4	6	14	140	May
June	12	9	9	6	8	5	11	9	3	11	2	5	3	7	6	2	5	4	3	2	4	2	7	135	June
July	4	9	9	11	8	6	4	5	2	7	2	4	6	2	6	5	7	3	5	9	10	4	5	133	July
August	7	8	8	11	9	11	10	7	8	7	2	2	3	5	3	8	8		7	8	5	4	4	145	August
September	9	2	12	2	6	11	8	5	3	8	7	6	8	3	8	4	7	2	6	7	11	9	6	150	September
October	9	10	13	12	12	6	6	5	2	4	4	2	3	4	5	4	4	7	4	7	3	8	2	136	October
November	10	8	7	9	9	8	11	4	5	8	3	8	8	2	2	6	3	5	5	9	2	2	6	140	November
December	8	7	6	8	10	9	4	11	5	7	4	8	11	4	5	6	4	2	5	4	2	3	2	135	December
total	83	92	103	99	100	98	110	99	77	87	60	58	70	58	55	57	57	44	60	72	62	66	80	1,747	total

Prefecture of fatal and non-fatal accidents in other printing and bookbinding 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	1	1	2		2		1		1	1	1				3	4	1	3	1	4		2		28	Hokkaido
Aomori		1	1		1													1		1			1	6	Aomori
lwate	1		1				1			2			2						1			1		9	lwate

Miyagi		2								1		1	1			1	1		1	2	1	11	Miyagi
Akita										2		1								1		4	Akita
Yamagata	1				1		1	1	1			2									1	8	Yamagata
Fukushima	1	4	1			1							1		1	2		2		1	3	17	Fukushima
Ibaraki	4	1	4	6	6	7	3	10	4	3	6	5	4	2	6	2	6	4	7	6	13	109	Ibaraki
Tochigi	3	1		1	1	2	2	1	2	1	2	1	3	1		3	2	5	1	4	5	41	Tochigi
Gunma	2		2	1	1	1				1	2		4	1	1	1	2		1	1	2	23	Gunma
Saitama	15	9	21	20	30	28	22	19	13	11	18	9	5	14	15	9	15	16	11	12	10	322	Saitama
Chiba	1	1	3	4	2	2		3	1	1	3			2				1	2	4	3	33	Chiba
Tokyo	8	13	8	13	8	9	7	5	6	6	9	5	1	5	5	3	2	7	3	4	4	131	Tokyo
Kanagawa		3	2	1	3	1	4			2	1	3	2	2	1	2			2	1	1	31	Kanagawa
Niigata		2	6	3		1	1	2			1				1							17	Niigata
Toyama		2			2	1		2				1			1	1						10	Toyama
Ishikawa			1		1			2						1	1	1	1		2	2		12	Ishikawa
Fukui						1			1						2						1	5	Fukui
Yamanashi											1				1						1	3	Yamanashi
Nagano	1	1		1	1		3					3	3	2	1	1			2	1		20	Nagano
Gifu	1	5	5	2	8	4	2	3	3	4	4	4	9	3		2	3	6	1	2	2	73	Gifu
Shizuoka		5	2	4	6	3	2	4	1	1	3					1	1	4	3	2	1	43	Shizuoka
Aichi	8	6	6	9	7	3	7	6	4	8	3	7	1	5	2	2	8	4	2	3	8	109	Aichi
Mie		1		3					2											1	1	8	Mie
Shiga	2	1	2	1	1	1					1	1		1	1		1		1	1	1	16	Shiga
Kyoto	2	2	2	3	2	5	2		3	1		2	1	2			1	1	1	1	İ	31	Kyoto

Osaka	21	13	19	8	10	10	7	9	6	4	3	3	9	5	8	3	7	5	12	7	5	174	Osaka
Hyogo	2	5	2		2		5	8	3	2	2		2			2		3		2	2	42	Hyogo
Nara		1			1	5	1	1	2	1		1		1	1		1					16	Nara
Wakayama		1										1									1	3	Wakayama
Tottori						1																1	Tottori
Shimane	2		1	5	2	2		1	1		1											15	Shimane
Okayama	2	1		4	1	2					3		1	2	3		2	1	2	2	3	29	Okayama
Hiroshima	2	3	2		4		3	2		3	1	1	1	1	1	1	1	2	1		1	30	Hiroshima
Yamaguchi			1	2																		3	Yamaguchi
Tokushima		1	2		1			1			1	1			1	1					2	11	Tokushima
Kagawa	1		1		2	1		1	3			2		1	1	1	3	1	1	1	1	21	Kagawa
Ehime		1	1			1		1													1	5	Ehime
Kochi		1		1	2	1	2	1	1	2		1	1	1				2	1			17	Kochi
Fukuoka	1	4	4	3	1	2	2		1	2		1	1	1	2			2	1		1	29	Fukuoka
Saga					2							1					1	1				5	Saga
Nagasaki	1					2					1											4	Nagasaki
Kumamoto						2			1	1			1			1			2	2		10	Kumamoto
Oita				1								1							1		1	4	Oita
Miyazaki								1		1	1								1			4	Miyazaki
Kagoshima				1							1		1								3	6	Kagoshima
Okinawa			1																			1	Okinawa
total	83	92	103	100	110	99	77	87	60	58	70	58	55	57	57	44	60	72	62	66	80	1,550	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)

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Fatal accidents in other printing and bookbinding in Japan in 1999-2021

other printing and bookbinding industry Code No.010709

Type of fatal accidents in other printing and bookbinding 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		2	fall from height
falling to same level																						1		1	falling to same level
crash																									crash
struck by flying or																									struck by flying
falling object																									or falling object
collapse																									collapse
crashed by																									crashed by
caught in/between																							1	1	caught in/between
cut																									cut

<u> </u>			 			-									
injury to the sole of															injury to the sole
the foot															of the foot
drown															drown
contact to high/low-															contact to
temperature															high/low-
temperature															temperature
contact to harmful															contact to
substance															harmful
															substance
electric shock															electric shock
explosion															explosion
burst															burst
fire	1													1	fire
traffic accident (public						1	1							2	traffic accident
road)						1									(public road)
troffic assidant (athors)															traffic accident
traffic accident (others)															(others)
reaction to															reaction to
motion/improper															motion/improper
motion															motion
others															others
unclassifiable															unclassifiable
total	1	1				1	1					2	1	7	total

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)
machine																							1	1	machine
crane, conveying machine											1		1											2	crane, conveying machine
other equipment																									other equipment
temporary buildings, establishments			1																			2			temporary buildings, establishments
substance, material		1																						1	substance, material
load																									load
environment																									environment
others																									others
total		1	1								1		1									2	1	7	total

Causal agents (middle) of fatal accidents in other printing and bookbinding in 1999-2021

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2000	2010	2011	2012	2013	2014	2015	2016	2017	2018	2010	2020	2021	total	Causal (M)
Lausai (ivi) ageiits	1333	2000	2001	2002	2003	2004	2003	2000	2007	2008	2009	2010	2011	2012	2013	2014	2013	2010	2017	2010	2019	2020	2021	totai	agents

engine														engine
power transmission mechanism														power transmission mechanism
woodworking machine														woodworking machine
construction machine														construction machine
metal manufacturing machine														metal manufacturing machine
general machine												1	1	general machine
mobile silviculture machine														mobile silviculture machine
crane														crane
conveying machine							1						1	conveying machine
vehicle						1							1	vehicle
pressure vessel														pressure vessel
chemical facilities														chemical facilities
welding equipment														welding equipment

<u> </u>]	<u>IL</u>]	
kiln, caldron															kiln, caldron
electric equipment															electric
															equipment
human power machine,															human power
tools															machine, tools
tools															tools
other equipments,															other
facilities															equipments,
															facilities
temporary buildings,															temporary
establishments		1											2	3	buildings,
															establishments
hazards, harmful															hazards,
substances	1													1	harmful
Substances															substances
materials															materials
load															load
natural environment															natural
natural environment															environment
ather causal agent															other causal
other causal agent															agent
no causal agent															no causal
no causai agent															agent
unclassifiable															unclassifiable
			 ===	 				 							

total		1	1								1		1									2	1	7	total	
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Causal agents (small) of fatal accidents in other printing and bookbinding 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																									power transmission
mechanism																									mechanism
circular sawing																									circular sawing
machine																									machine
band sawing																									band sawing
machine																									machine
wood planer																									wood planer
machine																									machine
hollow chisel																									hollow chisel
mortiser, wood																									mortiser, wood
borer																									borer
chamfering																									chamfering
machine, router,																									machine, router,
woodworking																									woodworking
milling machine																									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												lathe
drill press, milling												drill press, milling
machine												machine
grinding machine,												grinding machine,
buffing machine												buffing machine
power press												power press
forging pressure												forging pressure
hammer												hammer
shearing machine												shearing machine
other metal												other metal
manufacturing												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												1	1	printing machine
industrial robot														industrial robot
other general power machines														other general power machines
felling machine														felling machine
mobile logging														mobile logging machine
skyline yarding machine														skyline yarding machine
other mobile silviculture machine														other mobile silviculture machine
crane														crane
mobile crane														mobile crane
derrick crane														derrick crane
elevator, lift														elevator, lift
			1											1

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														other powered
crane														crane
truck							1						1	truck
forklift														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														conveying machines
cars, bus,														cars, bus,
motorcycle						I							1	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													human power
hauling equipment													hauling equipment
human power													human power
machine													machine

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

inflammable gas													inflammable gas
harmful substance													harmful substance
radiation													radiation
other hazards,													other hazards,
harmful substances													harmful substances
metal material													metal material
lumber, bamboo													lumber, bamboo
stone, sand,													stone, sand,
substance													substance
other materials													other materials
load													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													temperature
environment													environment
other environments													other environments
other causal agent													other causal agent

	\Box														
no causal agent															no causal agent
unclassifiable															unclassifiable
total	1	1				1	1					2	1	7	total

Workers age of fatal accidents in other printing and bookbinding 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																									19 years old or less
20-29		1	1																				1	3	20-29
30-39											1		1											2	30-39
40-49																									40-49
50-59																						1		1	50-59
60 years old or																						1		1	60 years old or
more																						'		ľ	more
total		1	1								1		1									2	1	7	total

Workers' number of workplace of fatal accidents in other printing and bookbinding 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													1									1		2	9 workers or less
10-29			1																					1	10-29
30-49											1												1	2	30-49
50-99		1																						1	50-99
ı																									

100-299															100-299
300 workers or												1		1	300 workers or
more												1			more
total	1	1				1	1					2	1	7	total

Month of fatal accidents in other printing and bookbinding 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																									January
February																									February
March																									March
April											1													1	April
May																						1		1	May
June																							1	1	June
July		1	1																					2	July
August													1											1	August
September																						1		1	September
October																									October
November																									November
December																									December
total		1	1								1		1									2	1	7	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																									Yamagat
Fukushima																									Fukushin
Ibaraki																									Ibaraki
Tochigi																									Tochigi
Gunma																									Gunma
Saitama			1																					1	Saitama
Chiba																						1		1	Chiba
Tokyo													1											1	Tokyo
Kanagawa																									Kanagaw
Niigata		1																						1	Niigata
Toyama																									Toyama
Ishikawa																									Ishikawa
Fukui																									Fukui
Yamanashi																									Yamanas
Nagano																									Nagano
Gifu																									Gifu

Shizuoka															Shizuoka
Aichi													1	1	Aichi
Mie															Mie
Shiga															Shiga
Kyoto															Kyoto
Osaka															Osaka
Hyogo															Hyogo
Nara															Nara
Wakayama															Wakayama
Tottori															Tottori
Shimane															Shimane
Okayama															Okayama
Hiroshima															Hiroshima
Yamaguchi															Yamaguchi
Tokushima															Tokushima
Kagawa												1		1	Kagawa
Ehime															Ehime
Kochi															Kochi
Fukuoka						1								1	Fukuoka
Saga															Saga
Nagasaki															Nagasaki
Kumamoto															Kumamoto
Oita															Oita

Miyazaki															Miyazaki
Kagoshima															Kagoshima
Okinawa															Okinawa
total	1	1				1	1					2	1	7	total

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

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