

**DATA KODE, LOKASI DAN SPESIFIKASI MESIN**

\*) Penambahan mesin baru

KODE MESIN	NAMA MESIN	LOKASI	SPESIFIKASI	KEGUNAAN	INSTALASI				TAHUN	STATUS MESIN		
					LISTRIK (KW)	UDARA	AIR	SOLAR		AKTIF	TIDAK AKTIF	KET
APC-01	Pneumatic Riveting Machine-01	DC Baros	CHANG LIAN, Model : LF-158L Serial Number : 1501802, Volt : 380 V, Pneumatic Oil 15032, Pressure 2-7KGF/CM2 Motor Type AEFV, 1410/1710 RPM, 3 Phase, Output 1 HP, Cycles 50/60, Volt 220/380, AMP 3,6 / 2,1	u/ paku keling (pipa bisa gerak)	1.2	Udara	-	-	2015	Aktif		
APC-02	Pneumatic Riveting Machine-02	DC Baros	CHANG LIAN, Model : LF-158L Serial Number : 1501803, Volt : 380 V, Pneumatic Oil 15032, Pressure 2-7KGF/CM2 Motor Type AEFV, 1410/1710 RPM, 3 Phase, Output 1 HP, Cycles 50/60, Volt 220/380, AMP 3,6 / 2,1	u/ paku keling (pipa bisa gerak)	1.2	Udara	-	-	2015	Aktif		
WRC-04	Pana robo welder (CO2 welder)-04	Konst. NB	Pana robo : Panasonic-VR-008; : manipulator robo Panasonic model TA-1600 G2 (YA -1RAR81 Y00); welder power source Y350 YD 350 GB2 ; 200V/220V; power 21 kVA 16 kW; Cur DC 350A; volt 12~36VDC; date feb 2007	u/ pengelasan (program)	16	-	-	-	2007	Aktif		
WRC-05	Pana robo welder (CO2 welder)-05	Konst. NB	Pana robo : Panasonic-TA 1400; welder :Panasonic Y350 RF2; 200V/220V; power 18 kVA 16 kW; Cur DC 350A; volt 36VDC; date 2005	u/ pengelasan (program)	16	-	-	-	2007	Aktif		
WRC-06	Pana robo welder (CO2 welder)-06	Konst. NB	Pana robo : Panasonic-VR-008; : manipulator robo Panasonic model TA-1600 G2 (YA -1RAR81 Y00); welder power source Y350 YD 350 GB2 ; 200V/220V; power 21 kVA 16 kW; Cur DC 350A; volt 12~36VDC; date feb 2007	u/ pengelasan (program)	16	-	-	-	2008	Aktif		
WRC-08	Pana robo welder (CO2 welder)-08	Konst. NB	PANAROBO 200V 3P 50HZ, TYPE TA 1400G3-350GB2, Manipulator&Controller YA-1UAR61Y00, Power Source YD-350GB2YAA, Cable AWU03448L4M, Interface Box YA-ANBC41, Panarobo Accessories YA-1RN613K01, Wire Stand YM-508UFHJ12,Panasonic Gas Regulator YX-25AD1, Panasonic Cable Unit AWU03718LAM, Trafo Up&Down 415,400,380V-220, 200V, Trafo 30 KVA, Dudukan Robot	u/ pengelasan (program)	16	-	-	-	2014	Aktif		
WRC-09	Pana robo welder (CO2 welder)-09	Konst. NB	PANAROBO 200V 3P 50HZ, TYPE TA 1400G3-350GB2, Manipulator&Controller YA-1UAR61Y00, Power Source YD-350GB2YAA, Cable AWU03448L4M, Interface Box YA-ANBC41, Panarobo Accessories YA-1RN613K01, Wire Stand YM-508UFHJ12,Panasonic Gas Regulator YX-25AD1, Panasonic Cable Unit AWU03718LAM, Trafo Up&Down 415,400,380V-220, 200V, Trafo 30 KVA, Dudukan Robot	u/ pengelasan (program)	16	-	-	-	2014	Aktif		
B-02	Auto CO2 Welder - 02	Konst. NB	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan	16.2	-	-	-	2000	Aktif		
B-03	Auto CO2 Welder - 03	Konst. NB	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan	16.2	-	-	-	2000	Aktif		
B-05	Auto CO2 Welder - 05	Konst. NB	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan	16.2	-	-	-	2000	Aktif		
B-06	Auto CO2 Welder - 06	Konst. NB	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan	16.2	-	-	-	2000	Aktif		
B-08	Rotary welder-1	Konst. NB	Chitose Indonesia Mfg; motor :	u/ alat bantu pengelasan keliling	0.5	-	-	-	2000	Aktif		

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KODE MESIN	NAMA MESIN	LOKASI	SPESIFIKASI	KEGUNAAN	INSTANSI				TAHUN	STATUS MESIN		
					LISTRIK (KW)	UDARA	AIR	SOLAR		AKTIF	TIDAK AKTIF	KET
B-08a	Auto CO2 Welder - 08	Konst. NB	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan	16.2	-	-	-	2000	Aktif		
B-10	Bor Machine-1	Konst. NB	West ling; 300W; 220V	u/ melubangi pipa / plate	0.3	-	-	-	2000	Aktif		
B-12	Pipe Kashime machine	Konst. NB	ex Kyowa Sobi 2000; Rod K-300030; motor : 1,5 kW; type SB-JB 4P AC220V; PLC : Mitsubishi - Melsec-Fxon-24MR; Travo : 5 kVA; primary 380V; secondary 200V; 3P	u/ proses pinggul pada pipa	1.5	-	-	-	2000	Aktif		
B-18	Bor Machine-3	Konst. NB	West Lake Drilling & Milling machine; model ZX 7016; Cap 25 mm; motor : model JY7134; 0,55 kW; 220V 1440 rpm	u/ melubangi pipa / plate	0.3	-	-	-	2000	Aktif		
B-19	Bor machine-4	Konst. NB	West Lake; Drilling & milling; type ZX7032; drill cap 31,5 mm; face mill cap 80 mm; end mill cap 22 mm;; 550W; 7A; 220V; 1400rpm	u/ melubangi pipa / plate	0.55	-	-	-	2000	Aktif		
B-22	Bench Drilling Machine	Konst. NB	West Lake ; Model : ZQ4132 ; Serial No : 1202014 ; Capacity : 31,5 mm	u/ melubangi pipa / plate	0.55	-	-	-	2000	Aktif		
B-23	Bench Drilling Machine	Konst. NB	West Lake ; Model : 2QD4132 ; Serial No : ..... ; Capacity : 32 mm, made in China	u/ melubangi pipa / plate	0.55	-	-	-	2019	Aktif		
B-24	Auto CO2 Welder - 07	Konst. NB	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan	16.2	-	-	-	2020	Aktif		
B-25	Auto CO2 Welder - 08	Konst. NB	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan	16.2	-	-	-	2020	Aktif		
B-26	Auto CO2 Welder - 09	Konst. NB	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan	16.2	-	-	-	2020	Aktif		
B-27	Rotary welder-2	Konst. NB	made : Chitose Intemasional Tbk, Year made : 2020	u/ alat bantu pengelasan keliling	0.5	-	-	-	2020	Aktif		
U-03a	Auto CO2 Welder 03-a	Konst. NB	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan	16.2	-	-	-	1996	Aktif		
U-07	Auto CO2 Welder - 03	Konst. NB	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan	16.2	-	-	-	1996	Aktif		
U-09	Auto CO2 Welder - 05	Konst. NB	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan	16.2	-	-	-	1996	Aktif		
U-10	Auto CO2 Welder - 06	Konst. NB	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan	16.2	-	-	-	1996	Aktif		
U-20	Auto CO2 Welder - 08	Konst. NB	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan	16.2	-	-	-	2004	Aktif		
U-21	Auto CO2 Welder - 17	Konst. NB	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan	16.2	-	-	-	2004	Aktif		
K-52	Butseem Welder – 3	Konst. Multi Bending	UTO type UA-S5-135; 135 kVA; 200V; 500 kg; 1987; Travo ; Matsuka Cap 150 kVA; primer 380V secunder 200V date 29 jan 2006	u/ pengelasan pipa (tanpa kawat las)	104	Udara	Air	-	2004	Aktif		
K-03	Double bending KD Yamato	Konst. Yamato	Chitose Japan	u/ bending pipa (2 sudut 1 kali proses)	11	Udara	Air	-	1979, (Ganti Dies 1997)	Aktif		
K-04	Radius press machine	Konst. Yamato	Chitose Japan	u/ bending/tekuk/press sandaran	5.5	-	Air	-	1979	Aktif		
K-05	Fierching KD Yamato	Konst. Yamato	Chitose Japan	u/ melubangi pipa	5.5	-	Air	-	1979 (Rekondisi 2002)	Aktif		

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					LISTRIK (KW)	UDARA	AIR	SOLAR		AKTIF	TIDAK AKTIF	KET
K-06	Butseem welder - 1	Konst. Yamato	UTO Japan type VA-2-170 155KVA 380V; additional exhaust both	u/ pengelasan pipa (tanpa kawat las)	40	Udara	Air	-	980 (Ganti Weld Control 2005)	Aktif		
K-07	Butseem welder - 2	Konst. Yamato	UTO Japan type VA-2-170 155KVA 380V; additional exhaust both	u/ pengelasan pipa (tanpa kawat las)	40	Udara	Air	-	980 (Ganti Weld Control 2005)	Aktif		
K-08	Auto CO2 welder (KR 350) - 1	Konst. Yamato	Auto Panasonic KR 350, model 350 KR 1; 18,1kVA; 16,2 kW; 350A 36V	u/ pengelasan	16.2	-	-	-	1980	Aktif		
K-08x	Both (exhaust welder) - 1 (dbl booth)	Konst. Yamato	Chitose Indonesia	u/ penghisap asap lasan	1.1	-	-	-	1980	Aktif		
K-09	Double bending KB Yamato	Konst. Yamato	Chitose Japan	u/ bending pipa (2 sudut 1 kali proses)	11	Udara	Air	-	1979 (Rekondisi 2002)	Aktif		
K-10	Fierching KB Yamato	Konst. Yamato	Chitose Japan	u/ melubangi pipa (Ymt)	5.5	-	Air	-	1979	Aktif		
K-11	Fierching Water Hole	Konst. Yamato	Chitose Japan	u/ melubangi pipa (Ymt)	2.2	-	Air	-	1979	Aktif		
K-12	Auto CO2 welder (KR 350) - 2	Konst. Yamato	Auto Panasonic KR 350, model 350 KR 1; 18,1kVA; 16,2 kW; 350A 36V	u/ pengelasan	16.2	-	-	-	1998	Aktif		
K-12x	Both (exhaust welder) - 2	Konst. Yamato	Blower cap 2000-1200 m3/hr ; statis press 500-1000 pa; Motor : Tatumg; model FBFC; frame 80; 220-380V; 4,3-2,5A; 1,1 kW; 1,5 Hp; 2 pole; 2810 rpm; IP 55	u/ penghisap asap lasan	1.1	-	-	-	1998	Aktif		
M-39	Inclinable Press 16 Ton - 7	Konst. Yamato	Shanghai Second Metal Forming Machine Work model Saxon J23-16T; nominal press 16 ton / 160 KN; ram stroke 55 mm; 120 stroke per min; weight 1055 kg; serial D 1221; motor Shandong; model Y100L-6 3 ph 1,5 kW ;4A; 940 rpm	u/ press, punch, drawing, pierch etc.	1.5	-	-	-	2005	Aktif		
K-26	Spot welder (Daiden)	Konst. Cosmo (New Product)	Daiden	u/ pengelasan titik daiden	24	Udara	Air	-	1979	Aktif		
K-29	Hoist	Konst. Cosmo (New Product)		u/ angkat barang (katrol elektrik)	2.5	-	-	-	1980	Aktif		
K-33	Pompa sirkulasi cooler-1	Konst. Cosmo (New Product)	Pompa Showfou CV232 : 1,5 kW; 220-440V; 2 pole; max head 30m; max flox 0,35; weight 30kg;	u/ pendingin mesin	1.5	-	Air	-	2008	Aktif		
K-33a	Pompa sirkulasi cooler-2	Konst. Cosmo (New Product)	Pompa Showfou CV132 : 0,75 kW; 3ph; 220-440V; 2 pole; max head 27m; max flox 0,2; weight 23kg;	u/ pendingin mesin	0.75	-	Air	-	2008	Aktif		
K-34	Radial saw (pneumatic)	Konst. Cosmo (New Product)	Fong Ho; model FHC-275SA; Circular cold saw; motor : 3/1,5 /1hp 2/4/8 P 3,5A; 380V 2850rpm; ganti oli setiap 180 hk;	u/ potong pipa	1.3	-	-	-	2008	Aktif		
K-36	Wire brush (machine)	Konst. Cosmo (New Product)	Motor 4 kW; 1,9A; 380V; 1440 rpm	u/ membuang sisa gram	4	-	-	-	2008	Aktif		
K-41	Rivet setter Frame - 01	Konst. Cosmo (New Product)	Taiwan ; motor 0,4 kW; 220/380V; 2/1A; 1440 rpm	u/ paku keling (pipa bisa gerak)	0.4	-	-	-	2004	Aktif		
K-44	Rivet setter Frame - 04	Konst. Cosmo (New Product)	Taiwan ; motor 0,4 kW; 220/380V; 2/1A; 1440 rpm	u/ paku keling (pipa bisa gerak)	0.4	-	-	-	2004	Aktif		
K-45	Spot welder (Panasonic) - 02	Konst. Cosmo (New Product)	Panasonic YR 355 Sa2; Rate cap 35 kVA; 380V; water flow 2 ltr/min; short curr 1300A; max input 59 kVA	u/ pengelasan titik (back rest Ymt)	24	Udara	Air	-	2004	Aktif		
K-46	Rivet setter Frame - 05	Konst. Cosmo (New Product)	Taiwan ; motor 0,4 kW; 220/380V; 2/1A; 1440 rpm	u/ paku keling (pipa bisa gerak)	0.4	-	-	-	2002	Aktif		
K-47	Rivet setter Seat - 01	Konst. Cosmo (New Product)	Nitto - Yoshikawa Iron Work Co Ltd, type US-70; spindel motor 0,4kW 200V; 4P; 0,54 HP; 1400rpm pump: 0,75 kW; 4P 200V; weight 300 kg	u/ paku keling (pipa bisa gerak)	1.2	-	-	-	2003	Aktif		
K-48	Rivet setter Frame - 06	Konst. Cosmo (New Product)	Taiwan ; motor 0,4 kW; 220/380V; 2/1A; 1440 rpm	u/ paku keling (pipa bisa gerak)	0.4	-	-	-	2003	Aktif		
K-49	Bor machine (manual)	Konst. Cosmo (New Product)	Heavy Duty Drill Press, model GDM-150B , Motor type AEG 1D 71K-2, 220~380V 1,8~ 1,05A3P 2 pole 50Hz 2800rpm output 0,5HP	u/ melubangi pipa	0.4	-	-	-	2005	Aktif		
K-53	Multy spot welder (seat)	Konst. Cosmo (New Product)	DG Dangesha type NM S5-8.75/2; 200V; 70kVAXZ; Travo ; Matsuka Cap 150 kVA; primer 380V secunder 200V date 29 jan 2006	u/ pengelasan pipa (tanpa kawat las)	37	Udara	Air	-	2004	Aktif		

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KODE MESIN	NAMA MESIN	LOKASI	SPESIFIKASI	KEGUNAAN	INSTANSI				TAHUN	STATUS MESIN		
					LISTRIK (KW)	UDARA	AIR	SOLAR		AKTIF	TIDAK AKTIF	KET
K-55	Double Pierching KD Cosmo	Konst. Cosmo (New Product)	Made by Chitose Indonesia Mfg, motor : 3 phase induction motor, type J02-414, out put 5.5 Hp, cycle 50 hz, 1460 rpm, voltage : 220/380 V, Ampere : 14,55/8,4 A,	u/ melubangi pipa	4	-	Air	-	2008	Aktif		
K-56	Flash Butt Welding Machine	Konst. Cosmo (New Product)	100 KVA Horizontal Flah Butt Welding, Model : SS-SB 1000, Voltage 380 V, SN : 2010266, Manufactur Golden Spot Industry	u/ pengelasan sambung pipa	55	Udara	Air	-	2011	Aktif		
K-57	Press Vertikal Machine Fore Leg Pipe Cosmo	Konst. Cosmo (New Product)	Manufactur Kramat Raya Sejahtera	u/ penekukan pipa	7.5	-	Air	-	2012	Aktif		
K-58	Pierching Machine Rear Leg Pipe Cosmo	Konst. Cosmo (New Product)	Chitose Indonesia	u/ melubangi pipa	4	-	Air	-	2012	Aktif		
K-59	Double Bending Taiwan-4	Konst. Cosmo (New Product)	YLM Machine Industrial C.,Ltd, Model CR-T38, Serial 120066, Mfg Date:20120515, Phase:3, Cycle :50 Hz,Max bending: ø 38.1mm, max wall thickness:2.5 mm, Radius range of bending:25-180 mm: range of bending angle 0° – 180°,min distance between center of 2 shaft: 130mm, max distance between center of 2 shaft:1200 mm, speed of bending (90°): 3-4 detik,Machine lengt:2500mm, Machine width: 950 mm, Machine height:2000 mm, Machine Weight:1400 Kg, Total Horse Power:5.6 kw, Max. pressure: 150 Kg/cm <sup>2</sup> , Clamping stress:4000 kg/f, Bending Torque:310 kg/m, Hidrolik tank capacity: 150 L, cooler: 100L./min, methode controller Manual & automatic.	u/ penekukan pipa	5.6	-	Air	-	2012	Aktif		
K-60	Cooling Tower + Pompa	Konst. Cosmo (New Product)	LIANG CHI ;Model: LBC 15; Cooling Capacity:58,5 Kcal/HR; Water Flow: 195 / Min;Air Volume: 135 M3; Fan Motor:0,25 HP 6P MOTOR ATAS : Liang Chi Motor; Type: AEPV71-6;Poles: 6;Voltage:220/380;Amp:1,32/0,76;Output:1/4 HP – 0,18 Kw; Bearing: 6204ZZ-6202ZZ; Serial No: 12071461285sy] , Motor Bowah Pompa ShowFou 232L	u/ pendingin mesin	0.7	-	Air	-	2012	Aktif		
K-61	Double Bending Taiwan-5	Konst. Cosmo (New Product)	YLM - Ying Lin Machine Industrial Co Ltd., Model : CR-T380, Serial : 141354, Main Volt : 380 V, Max Power : 5,5 KW, MFG No : F- 031046, Mfg Date : 20141127, 3 Phase 50 Hz, Weight : 1230 Kg	u/ bending pipa (2 sudut 1 kali proses)	5.6	-	-	-	2014	Aktif		
K-62	Bor Machine	Konst. Cosmo (New Product)	West Lake ZQD 4132	u/ melubangi pipa	1	-	-	-	2015	Aktif		
M-17	Double Bending ex Japan	Konst. Cosmo (New Product)	ex CMC Japan; motor : Teco; type AEEBAC; 11 kW; 15 hp; 380V; 22,6A; 1450 rpm;	u/ bending pipa (2 sudut 1 kali proses)	11	-	Air	-	1990	Aktif		
M-42	Fierching Water Hole KB Cosmo	Konst. Cosmo (New Product)	Electro Adda, type FC 1001B, No. 157112, 3 HP, 50 Hz, 1450 Rpm, Δ 410V 4,5 A, λ 710 V	u/ melubangi pipa	2.2	-	Air	-	2012	Aktif		
Y-48	Spot Welding Machine	Konst. Cosmo (New Product)	Golden Spot Industry, Model : SS-SA0800-6T, Rated Capacity : 80 KVA, Voltage : 380V/50 Hz, SN : 2012166, Serial Year : 2013	u/ pengelasan pipa (tanpa kawat las)	37	Udara	Air	-	2013		Tdk Aktif	Tdk berproduksi
T-03	Rivet Setter Frame Cosmo-1	Konst. Cosmo (New Product)	Model: RS 601, SN : R13856, Date : 201210, NITTO SEIKO	u/ paku keling (pipa bisa gerak)	0.4	-	-	-	2012	Aktif		
RJ-01	Rivet setter Frame (rajawali)	Konst. Cosmo (New Product)	Nitto, model 6,1;mfd:1980, SN : 6536, motor:Superline, type SF-ER, 0,3 kw, (60 Hz, 220V, 1,5A, 1700 rpm), (60 Hz, 200V, 1,5A, 1690 rpm), (50 Hz, 200V, 1,7A, 1410 rpm), class E	u/ paku keling (pipa bisa gerak)	0.4	-	-	-	2012	Aktif		
WRC-02	Pana robo welder (CO2 welder)-2	Konst. Cosmo (New Product)	Pana robo : Panasonic-VR-006; welder :Panasonic Y350 RF2; 200V/220V; power 18 kVA 16 kW; Cur DC 350A; volt 36VDC; date 2005	u/ pengelasan (program)	16	-	-	-	2003		Tdk Aktif	Tdk berproduksi
L-02	Pneu Press-2 & Air Nailer	Nailling	Press pneumatic Chitose Indonesia & Max air stapless gun	u/ meja kerja nailling	0	Udara	-	-	1980	Aktif		
L-06	Pneu Press-6 & Air Nailer	Nailling	Press pneumatic Chitose Indonesia & Max air stapless gun	u/ meja kerja nailling	0	Udara	-	-	1980	Aktif		
L-09	Pneu Press-9 & Air Nailer	Nailling	Press pneumatic Chitose Indonesia & Max air stapless gun	u/ meja kerja nailling	0	Udara	-	-	1980	Aktif		

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					LISTRIK (KW)	UDARA	AIR	SOLAR		AKTIF	TIDAK AKTIF	KET
L-12	Spray glue & both	Nailling	Iwata; korea	u/ pengeleman	1.5	Udara	-	-	2006	Aktif		
N-05	Wire Thigner Seat - 2	Nailling	Press pneumatic Chitose Indonesia	u/ memutar kawat	0	Udara	-	-	2002	Aktif		
L-13	Pneu Press-12 & Air Nailer	ASS MKT	Press pneumatic Chitose Indonesia & Max air stapless gun	u/ meja kerja nailling	0	Udara	-	-	2005	Aktif		
M-02	Inclinable Press 40 Ton - 2	Konst. Multi Bending	Shanghai Second Metal Forming Machine Work model J23-40 nominal press 40 ton; ram stroke 80 mm; 45 stroke per min; weight 3540 kg; motor type J03-112L-4; 3 ph; 5,5 kW	u/ press, punch, drawing, pierch etc.	5.5	-	-	-	1995	Aktif		
M-03	Inclinable Press 40 Ton - 3	Konst. Multi Bending	YH	u/ press, punch, drawing, pierch etc.	5.5	-	-	-	1995	Aktif		
M-04	Inclinable Press 25 Ton - 1	Konst. Multi Bending	Shanghai Second Metal Forming Machine Work model J23-25 , nominal press 25 ton / 250 KN; ram stroke 65 mm; 55 stroke per min; weight 1780 kg; motor 3 ph 2,2 kW	u/ press, punch, drawing, pierch etc.	2.2	-	-	-	1995	Aktif		
M-05	Inclinable Press 25 Ton - 2	Konst. Multi Bending	Shanghai Second Metal Forming Machine Work model J23-25 , nominal press 25 ton / 250 KN; ram stroke 65 mm; 55 stroke per min; weight 1780 kg; motor 3 ph 2,2 kW	u/ press, punch, drawing, pierch etc.	2.2	-	-	-	1995	Aktif		
M-06	Inclinable Press 16 Ton - 1	Konst. Multi Bending	Shanghai Second Metal Forming Machine Work model J23-16E; nominal press 16 ton / 160 KN; ram stroke 55 mm; 120 stroke per min; weight 1055 kg; motor 3 ph 1,5 kW	u/ press, punch, drawing, pierch etc.	1.5	-	-	-	1985	Aktif		
M-07	Inclinable Press 16 Ton - 2	Konst. Multi Bending	Power Brand Xiamen Forging Press General Work - RRC; model J23-16B; nominal force 16 ton / 160 KN; ram stroke 70 mm; 115 stroke per min; weight 1100; motor type Y100L-6; 2 hp; 1,5 kW;3,9A; 940 rpm 3ph; 380V	u/ press, punch, drawing, pierch etc.	1.5	-	-	-	1985	Aktif		
M-08	Inclinable Press 16 Ton - 3	Konst. Multi Bending	Power Brand Xiamen Forging Press General Work - RRC; model J23-16B; nominal force 16 ton / 160 KN; ram stroke 70 mm; 115 stroke per min; weight 1100; motor type Y100L-6; 2 hp; 1,5 kW;3,9A; 940 rpm 3ph; 380V	u/ press, punch, drawing, pierch etc.	1.5	-	-	-	1985	Aktif		
M-09	Inclinable Press 16 Ton - 4	Konst. Multi Bending	Power Brand Xiamen Forging Press General Work - RRC; model J23-16B; nominal force 16 ton / 160 KN; ram stroke 70 mm; 115 stroke per min; weight 1100; motor type Y100L-6; 2 hp; 1,5 kW;3,9A; 940 rpm 3ph; 380V	u/ press, punch, drawing, pierch etc.	1.5	-	-	-	1985	Aktif		
M-12	Pine bender Chiwork - II	Konst. Multi Bending	Chitose Indonesia, ; motor : FUTO type Y-160M-4; 15 hp; 11 kW; ; 380V; 24,0; 1460 rpm 1996	u/ bending / tekuk pipa	11	-	Air	-	1995	Aktif		
M-13	Fine Bending Japan	Konst. Multi Bending	CMC Japan ; motor : Hitachi type EFOUP; 5,5 kW; 380V; 11,5A; 1440 rpm	u/ bending / tekuk pipa	5.5	-	Air	-	1985	Aktif		
M-19	Bending Horinzontal Soco	Konst. Multi Bending	Soco Machinery; model SB-38 NCMP; 380V, 4,1 kW; motor : 3,7 kW 1440 rpm	u/ bending / tekuk pipa (program)	4.1	-	Air	-	2004	Aktif		
M-21	Bending Horinzontal Taiyo	Konst. Multi Bending	ex CMC Japan 2002; Taiyo type PB ER 35 ; motor : .....; travo ;Unitran cap 10 kVA; primary 380V; secondary out 200V	u/ bending / tekuk pipa (program)	7.5	-	Air	-	1987	Aktif		
M-22	Double Side Bending Taiwan-1	Konst. Multi Bending	YLM - Ying Lin Machine Industrial Co Ltd.; Model CR-F38; motor : Power 7,5Hp; Source 380V; 50Hz; 4P; AMPS 13,3A; 1420 rpm; 1997 - Taiwan; bending : speed oef bending (90o) 3~4 sec; right side bending angle 0-110o and inside bending angle 0-180o ;max cap 800 bends/hr; hydraulic:5,6 hp; max press 150 kg/cm2 (bar); bend torque 310 kg/m; cap tank 150 ltr; cooler 100 ltr/min; total weight 1800 kg	u/ bending pipa (2 sudut 1 kali proses)	5.6	-	Air	-	1997	Aktif		
M-23	Double Side Bending Taiwan-2	Konst. Multi Bending	YLM - Ying Lin Machine Industrial Co Ltd.; Model CR-F38; motor : Power 7,5Hp; Source 380V; 50Hz; 4P; AMPS 13,3A; 1420 rpm; 1997 - Taiwan; bending : speed oef bending (90o) 3~4 sec; right side bending angle 0-110o and inside bending angle 0-180o ;max cap 800 bends/hr; hydraulic:5,6 hp; max press 150 kg/cm2 (bar); bend torque 310 kg/m; cap tank 150 ltr; cooler 100 ltr/min; total weight 1800 kg	u/ bending pipa (2 sudut 1 kali proses)	5.6	-	Air	-	1997	Aktif		

KODE MESIN	NAMA MESIN	LOKASI	SPESIFIKASI	KEGUNAAN	INSTALASI				TAHUN	STATUS MESIN		
					LISTRIK (KW)	UDARA	AIR	SOLAR		AKTIF	TIDAK AKTIF	KET
M-24	Double Side Bending Taiwan-3	Konst. Multi Bending	YLM - Ying Lin Machine Industrial Co Ltd.; Model CR-F38; motor : Power 7,5Hp; Source 380V; 50Hz; 4P; AMPS 13,3A; 1420 rpm; 1997 - Taiwan; bending : speed of bending (90o) 3~4 sec; right side bending angle 0-110o and inside bending angle 0-180o ;max cap 800 bends/hr; hydraulic:5,6 hp; max press 150 kg/cm2 (bar); bend torque 310 kg/m; cap tank 150 ltr; cooler 100 ltr/min; total weight 1800 kg	u/ bending pipa (2 sudut 1 kali proses)	5.6	-	Air	-	1997	Aktif		
M-27	Double Bending Taiwan-3	Konst. Multi Bending	YLM - Ying Lin Machine Industrial Co Ltd.; Model CR-T38; motor : Power 7,5Hp; Source 380V; 50Hz; 4P; AMPS 13,3A; 1420 rpm; 1997 - Taiwan; bending : speed of bending (90o) 3~4 sec; right side bending angle 0-180o and inside bending angle 0-180o ;max cap 800 bends/hr; hydraulic:5,6 hp; max press 150 kb/cm2 (bar); bend torque 310 kg/m; cap tank 150 ltr; cooler 100 ltr/min; total weight 1400 kg	u/ bending pipa (2 sudut 1 kali proses)	5.6	-	Air	-	2000	Aktif		
M-28	Roll Bending	Konst. Multi Bending	ex CMC Japan 2002; ; motor : .....; travo :Unitran cap 15 kVA; primary 380V-22,8A ; secondary out 200V-39A	u/ bending / tekuk pipa	5.5	-	Air	-	1974	Aktif		
M-29	Shringking Machine	Konst. Multi Bending	Ying Lin Machine Industrial Co Ltd., Model CR J-38, Serial J3069, Power 5Hp, Source 380V 50Hz 4P, 1997 Taiwan	u/ reduce diameter pipa (socket pipa)	3.75	-	Air	-	1997	Aktif		
M-30	Double Shringking Machine	Konst. Multi Bending	YLM - Ying Lin Machine Industrial Co Ltd., Tube end-forming machine; Model CR- C38A, Serial J3069, Power 5Hp, Source 380V 50Hz 4P, 1997 Taiwan	u/ reduce diameter pipa (socket pipa)	3.75	-	Air	-	2000	Aktif		
M-34	Hoist	Konst. Multi Bending	Kitto EF 2 Series ; kapasitas 2,5 ton	u/ angkat barang (katrol elektrik)	2.5	-	-	-	2000	Aktif		
M-35	Pompa Sirkulasi Cooler	Konst. Multi Bending	APP pump; model VC 2032; 2 hp; 220/380	u/ pendingin mesin	1.5	-	-	-	2015	Aktif		
M-36	Inclinable Press 63 Ton	Konst. Multi Bending	Shanghai Second Metal Forming Machine Work model J23-63 nominal press 63 ton / 630 KN; ram stroke 100 mm; 40 stroke per min; weight 5500 kg; motor 3 ph; 7,5 kW	u/ press, punch, drawing, pierch etc.	7.5	-	-	-	1994	Aktif		
M-37	Bor Machine	Konst. Multi nursing bed	West Lake Drilling & Milling machine; model ZX 7016; Cap 25 mm; motor : model JY7134; 0,55 kW; 220V 1440 rpm	u/ melubangi pipa	0.55	-	-	-	2000	Aktif		
M-38	Inclinable Press 16 Ton - 6	Konst. Multi Bending	Shanghai Second Metal Forming Machine Work model Saxon J23-16T; nominal press 16 ton / 160 KN; ram stroke 55 mm; 120 stroke per min; weight 1055 kg; serial D 1221; motor Shandong; model Y100L-6 3 ph 1,5 kW ;4A; 940 rpm	u/ press, punch, drawing, pierch etc.	1.5	-	-	-	1994	Aktif		
M-40	CNC Right Hand Tube Bender Machine (1)	Konst. Multi Bending	Air Conditioning : Aircon, Model HA-120A, Power 1 phase, 220 V, 50/60 Hz, 500 W, Compressor : 1 phase, 220 V, 410 W, 1,9 A, Temp Cont : 20 - 40°, Refrigerant : R-134a, 0,27 kg, Weight : 30 kg, Delivery date : 2007 09, Mfg no : AC 34330, Part No : P-HA-120-AFS-04, Yin Ling : model : CNC 38S3-ROSN-4, Serial no : 96008	u/ bending / tekuk pipa (program)	5.5	Udara	Air	-	2008	Aktif		
M-41	Pompa Sirkulasi Cooler	Konst. Multi Bending	Showfou type CV 232, 50 Hz, 2 HP, dia 50 mm, 3 phase 2 pole, 380 V, Max head 18m, 3\,5 A, Max flow 0,3 m3/min, Mfg 2006-6-08	u/ pendingin mesin	1.5	-	-	-	2005	Aktif		

KODE MESIN	NAMA MESIN	LOKASI	SPESIFIKASI	KEGUNAAN	MOTOR				TAHUN	STATUS MESIN		
					LISTRIK (KW)	UDARA	AIR	SOLAR		AKTIF	TIDAK AKTIF	KET
M-43	CNC Left Hand Tube Bender Machine (2)	Konst. Multi Bending	YLM Model CNC38S3LSM-4A; Serial 98001; Mfg 20091216; 380V-50Hz-3 Phase; Max power 16.45 Kw; Weight machine 2700 Kg. MOTOR: Chyun Seh Ind.Co.Ltd; 3Phase Induction motor;Type C7B-43BO; 4 Poles; 7,5 Hp 5,5 Kw 220-380V; Amps 22,5/13; 50 Hz 1440 Rpm;Mfg 2009/11; Weight 65 Kg .AIRCON: Habor Precise; Model HA-120A; Power 1 PH220V50/60Hz550w3,5A;Comp 1Ph220V50/60Hz460W2,7A; Temp cont 20-40C;Refrigerant R-407C 0,33 Kg; Weight 30 Kg; Date 2009/11;Mfg No. AC-043742;PN P-HA-120AFS-10. ELECTRIC LUBRICATING OIL FEEDING MACHINE : Tswu Kwan Type TK-1006;Reservoir Capacity 4,6 ltr;Max Pressure 12-15 kg/cm2;Flow Rate 300 CC/Min;45W200/220V0,45A2,5-2UF50/60Hz1450/1800 Rpm.OIL COOLER: Delta Type OR-150;Mfg 10089;Date 981012	u/ bending / tekuk pipa (program)	16.45	Udara	Air	-	2010	Aktif		
M-44	Cooling Tower & Pump	Konst. Multi Bending	Type Cooling Tower: LDT-15-RT, Water Flow: 195 LPM, Inlet Temp: 37°C, Outlet Temp: 32°C, WB Temp:27°C,Seri No: 15/6/10, Fan Dia: 600 mm,Motor: 0,25 HpGp,V/P/C : 380/3/50,Dated:2010. Motor Cooling Tower (Atas) Frame: Y2-71M2-6, KW: 0,25 V-380, Rpm: 940 Amp:0,95, Standard: IBC 34-I, No :03005, Hz:50, INS CL: F, Duty :S1, Kg: 11, Type Pompa: ShowFow SPM-223L -50Hz, OutPut : 2 HP, Phase 3 f , Volt.T :380, Current: 3.5 A, Date : 0310, Dia : 40 mm, Poles : 2P, Max head: 46 M, Maks Flow : 0,22 M <sup>3</sup> /m, MFG No: 02648	u/ pendingin mesin	2				2010	Aktif		
M-45	Mesin Press Seyi 25 Ton – SNI 25	Konst. Multi Bending	SEYI, Model: SN1-25, Serial Number: EW25-1865, Date: 2011.07,Capacity:25 tf, stroke: 80mm,stroke/MM:70-110 spm,Die Height:230,Slide adjustment:50 mm,Slide area:330x250 mm,bolster area:700x3200 mm, air pressure: 5kg/cm2,main motor: 5 x 4 HP/P, Power Source:380 x 50 Hz. 6Kva, Braking Time :83 ms	u/ press, punch, drawing, pierch etc.	6	Udara	-	-	2011	Aktif		
M-46	Mesin Press Seyi 45 Ton – SNI 45	Konst. Multi Bending	SEYI, Model: SN1-45, Serial Number: EW45-1841, Date: 2011.07,Capacity:45 tf, stroke: 110mm,stroke/MM:50-85 spm,Die Height:270,Slide adjustment:60 mm,Slide area:430x350 mm,bolster area:840x3440 mm, air pressure: 5kg/cm2,main motor:7.5 x 4 HP/P, Power Source:380 x 50 Hz. 9Kva, Braking Time :98 ms	u/ press, punch, drawing, pierch etc.	9	Udara	-	-	2011	Aktif		
M-48	Double Side Bending Taiwan-4	Konst. Multi Bending	YLM - Ying Lin Machine Industrial Co Ltd., Model : CR-F380, Serial : 141346, Main Volt : 380 V, Max Power : 5,7 KW, MFG No : 031033, Mfg Date : 20141127, 3 Phase 50 Hz, Weight : 1715 Kg	u/ bending / tekuk pipa	5.6	-	Air	-	2014	Aktif		
M-49	CNC Left Hand Tube Bender Machine (3)	Konst. Multi Bending	YLM Model CNC 38BMSLSM-5A; Serial 141366; Mfg No F-031035;Mfg Date : 20141210; 380V-50Hz-3 Phase; Max power 19,45 Kw; Weight machine 2165 Kg..OIL COOLER: Delta Type OR-150, COOLER Model : FA15W ; Power Supply 220 V ; Frequency : 50/60 Hz ; Power Input : 730 W ; cooling serial : R134a; Cooling Capacity : 1500 W; Weight : 40 Kg; No : 14511059	u/ bending / tekuk pipa (program)	5.6	Udara	Air	-	2015	Aktif		
M-50	CNC Right Hand Tube Bender Machine (4)	Konst. Multi Bending	YLM Model CNC 38BMSRSM-5A; Serial 141361; Mfg No F-031034;Mfg Date : 20141210; 380V-50Hz-3 Phase; Max power 19,45 Kw; Weight machine 2165 Kg..OIL COOLER: Delta Type OR-150, COOLER Model : FA15W ; Power Supply 220 V ; Frequency : 50/60 Hz ; Power Input : 730 W ; cooling serial : R134a; Cooling Capacity : 1500 W; Weight : 40 Kg; No : 14511067	u/ bending / tekuk pipa (program)	19.45	Udara	Air	-	2015	Aktif		

KODE MESIN	NAMA MESIN	LOKASI	SPESIFIKASI	KEGUNAAN	INSTANSI				TAHUN	STATUS MESIN		
					LISTRIK (KW)	UDARA	AIR	SOLAR		AKTIF	TIDAK AKTIF	KET
M-XX	Inclinable Press 10T	Konst. Multi Bending		u/ press, punch, drawing, pierch etc.	1.5	-	-	-		Aktif		
O-01	Poles - 1	Poles	Chitose Indonesia, Motor merek Tientsin NO2 Electro, type JO-41-4, 3P 220~380V 14,55~8,9A 50Hz 1450rpm output 5,5kW	u/ poles permukaan material	5.5	-	-	-	2000	Aktif		
O-02	Poles - 2	Poles	Chitose Indonesia, Motor merek Tientsin NO2 Electro, type JO-41-4, 3P 220~380V 14,55~8,9A 50Hz 1450rpm output 5,5kW	u/ poles permukaan material	5.5	-	-	-	2000	Aktif		
O-03	Poles - 3	Poles	Chitose Indonesia, Motor merek Tientsin NO2 Electro, type JO-41-4, 3P 220~380V 14,55~8,9A 50Hz 1450rpm output 5,5kW	u/ poles permukaan material	5.5	-	-	-	2000	Aktif		
O-04	Pompa Sirkulasi	Poles (Luar)	Pompa SAER; type 32-1600; 2 HP; 1,5 kW; 220/380V; 7,2/4,2A; 2850 rpm	u/ sirkulasi air pembawa debu poles	1.5	-	Air	-		Aktif		
O-05	Blower	Poles (Luar)	Centrifugal fan for dust; dia intake 63 cm; 7,5 pK; 380V; 1450 rpm	u/ penghisap debu poles	5.5	-	-	-	2000	Aktif		
O-06	Press Rongsokan	Gdg. Rongsokan	Press : Kobayashi Machine; motor : modifikasi Chitose Indonesia; 10 pK	u/ proses press rongsokan (G2)	7.5	-	-	-	1999	Aktif		
P-04	Inclinable Press 63 ton - 1	Pressing	Shanghai Second Metal Forming Machine Work model J23-63 nominal press 63 ton / 630 KN; ram stroke 100 mm; 40 stroke per min; weight 5500 kg serial 5317; motor 3 ph; 7,5 kW	u/ press, punch, drawing, pierch etc.	7.5	-	-	-	1994	Aktif		
P-05	Inclinable Press 63 ton - 2	Pressing	Shanghai Second Metal Forming Machine Work model J23-63 nominal press 63 ton / 630 KN; ram stroke 100 mm; 40 stroke per min; weight 5500 kg ;serial no 4943; motor 3 ph; 7,5 kW	u/ press, punch, drawing, pierch etc.	7.5	-	-	-	1994	Aktif		
P-08	Inclinable Press 63 ton - 4	Pressing	Shanghai Second Metal Forming Machine Work model J23-63 nominal press 63 ton / 630 KN; ram stroke 100 mm; 40 stroke per min; weight 5500 kg; serial no 5499; motor 3 ph; 7,5 kW	u/ press, punch, drawing, pierch etc.	7.5	-	-	-	1994	Aktif		
P-09	Inclinable Press 63 ton - 5	Pressing	Shanghai Second Metal Forming Machine Work model J23-63 nominal press 63 ton / 630 KN; ram stroke 100 mm; 40 stroke per min; weight 5500 kg; serial no 5501 motor 3 ph; 7,5 kW	u/ press, punch, drawing, pierch etc.	7.5	-	-	-	1994	Aktif		
P-10	Inclinable Press 40 ton	Pressing	Shanghai Second Metal Forming Machine Work model J23-40 nominal press 40 ton; ram stroke 80 mm; 45 stroke per min; weight 3540 kg; serial no 60365 ; motor type J03-112L-4; 3 ph; 5,5 kW	u/ press, punch, drawing, pierch etc.	5.5	-	-	-	1994	Aktif		
P-11	Inclinable Press 25 ton - 1	Pressing	Shanghai Second Metal Forming Machine Work model J23-25 , nominal press 25 ton / 250 KN; ram stroke 65 mm; 55 stroke per min; weight 1780 kg;serial no 8118; motor 3 ph 2,2 kW	u/ press, punch, drawing, pierch etc.	2.2	-	-	-	2005	Aktif		
P-12	Inclinable Press 25 ton - 2	Pressing	Shanghai Second Metal Forming Machine Work model J23-25 , nominal press 25 ton / 250 KN; ram stroke 65 mm; 55 stroke per min; weight 1780 kg;serial no 8111; motor 3 ph 2,2 kW	u/ press, punch, drawing, pierch etc.	2.2	-	-	-	2005	Aktif		
P-13	Inclinable Press 16 ton	Pressing	Shanghai Second Metal Forming Machine Work model J23-16E; nominal press 16 ton / 160 KN; ram stroke 55 mm; 120 stroke per min; weight 1055 kg; serial no 80924 motor 3 ph 1,5 kW	u/ press, punch, drawing, pierch etc.	1.5	-	-	-	2005	Aktif		
P-14	Shearing Machine	Pressing	Guillotine Shears Model Q11-3X1200 Cutting thickness 0,6-3 cutting width 1200 mm Serial No 94103	u/ potong plate	2.2	-	-	-	1994	Aktif		
P-19	Pompa sirkulasi cooler	Pressing	Pompa air National 125W	u/ pendingin mesin	0.13	-	Air	-	2010	Aktif		
K-21	Spot welder seat (Daiden) - 1	Pressing	Daiden SL-AJ; Rated input 30 kVA; max input 66,6kVA; 380V; dim 200x600; max kVA 57,6; max press 450 kg; 1980	u/ pengelasan	5.5	Udara	Air	-	1980	Aktif		

# COPY KEMENKES

KODE MESIN	NAMA MESIN	LOKASI	SPESIFIKASI	KEGUNAAN	INSTALASI				TAHUN	STATUS MESIN		
					LISTRIK (KW)	UDARA	AIR	SOLAR		AKTIF	TIDAK AKTIF	KET
M-01	Inclinable Press 40 Ton - 1	Pressing	Shanghai Second Metal Forming Machine Work model J23-40 nominal press 40 ton; ram stroke 80 mm; 45 stroke per min; weight 3540 kg; motor type J03-112L-4; 3 ph; 5,5 kW	u/ press, punch, drawing, pierch etc.	5.5	-	-	-	1995	Aktif		
WRC-01	Pana robo welder (CO2 welder)-1	Konst. Multi Las	Pana robo : Panasonic-VR-006; welder :Panasonic Y350 RF2; 200V/220V; power 18 kVA 16 kW; Cur DC 350A; volt 36VDC; date 2005	u/ pengelasan (program)	16	-	-	-	2006	Aktif		
WRC-03	Pana robo welder (CO2 welder)-3	Konst. Multi Las	Pana robo : Panasonic-VR-006; welder :Panasonic Y350 RF2; 200V/220V; power 18 kVA 16 kW; Cur DC 350A; volt 36VDC; date 2005	u/ pengelasan (program)	16	-	-	-	2005	Aktif		
WRC-07	Pana robo welder (CO2 welder)-7	Konst. Multi Las	Pana robo : Panasonic-TA 1400 G2+350GB2; welder :Panasonic Y350 RF2; 200V/220V; power 18 kVA 16 kW; Cur DC 350A; volt 36VDC; date 2009	u/ pengelasan (program)	16	-	-	-	2010	Aktif		
U-12	Auto CO2 Welder - 08	Konst. Multi Las	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan (program)	16.2	-	-	-	1996	Aktif		
U-15	Auto CO2 Welder - 11	Konst. Multi Las	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan (program)	16.2	-	-	-	1996	Aktif		
U-16	Auto CO2 Welder - 12	Konst. Multi Las	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan (program)	16.2	-	-	-	1996	Aktif		
U-17	Auto CO2 Welder - 13	Konst. Multi Las	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan (program)	16.2	-	-	-	2003	Aktif		
U-18	Auto CO2 Welder - 14	Konst. Multi Las	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan (program)	16.2	-	-	-	1996	Aktif		
U-19	Auto CO2 Welder - 15	Konst. Multi Las	Panasonic; type 350 KR1; 380V 3 ph, 50hz; 18,1 kVA, 16,2 kW, output current 60~350A; output voltage 15~25V; weight 109 kg	u/ pengelasan (program)	16.2	-	-	-	1996	Aktif		
U-25	Blower Echaust	Konst. Multi Las		u/ menghisap asap lasan	5.5	-	-	-	2005	Aktif		