



Series



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Galaksi Metal Mesindo^{PT}
Complete Range Welding & CNC Cutting Equipment

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HPT Inverter

TIG WELDING MACHINE



TP-208



TP-301



TP-350

SPECIFICATIONS		UNIT	MODEL		
			TP-208	TP-301	TP-350
RATED INPUT VOLTAGE		VAC	240 ± 18%	240 ± 18%	415 ± 18%
RATED FREQUENCY		Hz	50 / 60	50 / 60	50 / 60
INPUT AT RATED LOAD	TIG	KVA	7.5	13	11.7
		KW	5.0	9.5	10.8
	STICK	KVA	6.7	8.6	11.0
		KW	4.5	5.6	10.3
RATED OUTPUT VOLTAGE	TIG	VDC	18	22	24
	STICK	VDC	25.2	26	30
RATED OUTPUT CURRENT	TIG	ADC	5 ~ 200	5 ~ 300	5~350
	STICK	ADC	5 ~ 130	5 ~ 150	5~250
	CLEAN	ADC	5~10	-	-
OPEN CIRCUIT VOLTAGE (O.C.V.)		VDC	APPROX. 100	APPROX. 100	APPROX. 70
DUTY CYCLE (AT A.W.S STD)		VDC	40% AT 40°C	40% AT 40°C	100% AT 40°C
CRATER CONTROL			ON/OFF/REPEAT		
INITIAL CURRENT		A	5~200	5~300	5~350
CRATER CURRENT		A	5~200	5~300	5~350
PULSE CURRENT		A	-	5~300	5~350
PULSE FREQUENCY		Hz	LOW : 1 HIGH : 15	LOW : 0.6~22 HIGH : 14~500	LOW : 0.5~27 HIGH : 7.5~500
PRE FLOW		SEC	0.09	0.1~2.0	0.2~5.0
POST FLOW		SEC	2.0~10.0	2.0~15.0	2.0~15.0
UP SLOP TIME		SEC	-	0.2~5.0	0.1~5.0
DOWN SLOP TIME		SEC	-	0.2~5.0	0.1~5.0
SPOT TIME		SEC	-	-	0.1~5.0
PULSE %		%	-	20~80	20~80
REMOTE CONTROL			-	-	OPTIONAL
GAS CHECK			-	-	YES
WATER SENSOR			-	-	YES
DIMENSION (W*D*H)		MM	210*400*240	522*233*400	410*510*620
WEIGHT		KG	12.5	24	54

HPT Inverter

PLASMA CUTTING MACHINE



CA-52



CA-62



CA-90

SPECIFICATIONS		UNIT	MODEL		
			CA-52	CA-62	CA-90
RATED INPUT VOLTAGE		VAC	240 ± 18%	415 ± 18%	415 ± 18%
RATED FREQUENCY		Hz	50 / 60	50 / 60	50 / 60
INPUT AT RATED LOAD		KVA	11.2	15.0	15.9
		KW	7.1	10.5	15.08
RATED OUTPUT VOLTAGE		VDC	120	140	150
RATED OUTPUT CURRENT		ADV	10 ~ 50	15 ~ 60	20 ~ 90
OPEN CIRCUIT VOLTAGE (O.C.V.)		VDC	APPROX. 260	APPROX. 270	APPROX. 270
DUTY CYCLE (AT A.W.S. STD)		%	40% AT 40°C	60% AT 40°C	100% AT 40°C
OPERATION WAY	STANDARD		YES	YES	YES
	AUTO HOLD		YES	YES	YES
	AIR CHECK		YES	YES	YES
PILOT ARC START			OPTIONAL	YES	YES
PRE FLOW TIME		SEC	3	3	1
POST FLOW TIME		SEC	20	20	20
MAX. CUTTING THICKENSS		MM	20	25	45
PERFECT CUTTING THICKNESS		MM	10	16	25
DIMENSION (W*D*H)		MM	211 X 400 X 240	280 X 490 X 440	410 X 510 X 620
WEIGHT		KG	13	32	55

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STICK WELDING MACHINE



ST-162

ST-350

SPECIFICATIONS	UNIT	MODEL	
		ST-162	ST-350
RATED INPUT VOLTAGE	VAC	240 ± 18%	415 ± 18%
RATED FREQUENCY	Hz	50 / 60	50 / 60
INPUT AT RATED LOAD	KVA	7.6	15.41
	KW	5	12.4
RATED OUTPUT VOLTAGE	VDC	26.5	35
RATED OUTPUT CURRENT	ADC	20 ~ 160	20 ~ 350
OPEN CIRCUIT VOLTAGE (O.C.V.)	VDC	125 ± 15%	67
DUTY CYCLE (AT A.W.S. STD)	%	100% AT 40°C	100% AT 40°C
DIMENSION (W*D*H*)	MM	211 X 400 X 240	400 X 460 X 575
WEIGHT	KG	11	50



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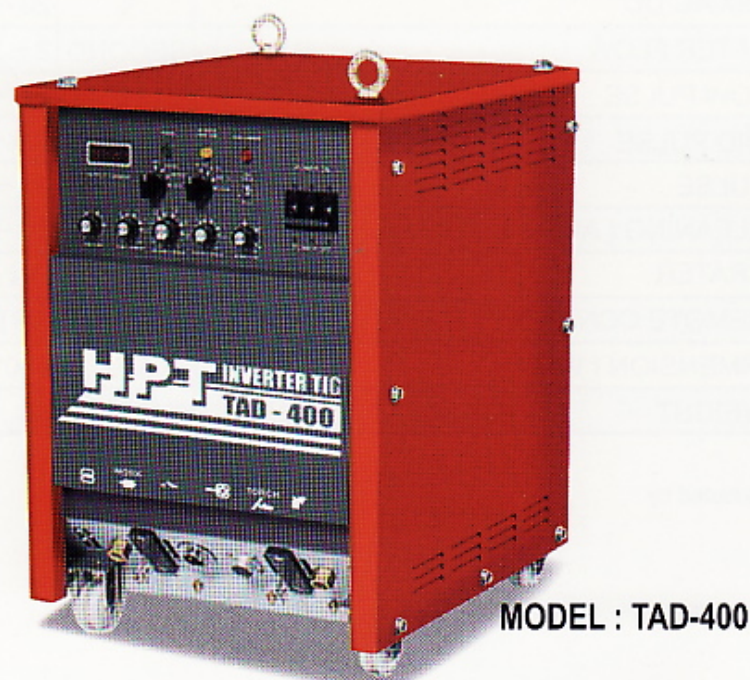
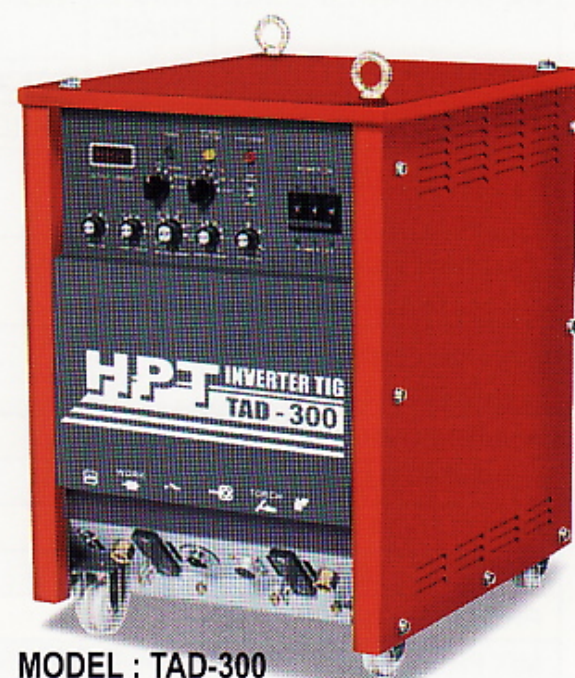


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MULTI PROCESS DIGITAL CONTROLLED TIG WELDING MACHINE

- Multi Process
AC TIG, DC TIG and MIX AC DC TIG
- Multi Function
Spot Arc Timer
Crater Control
Pulse Control
Cleaning (AC +/-)
- Soft / Hard Arc Start Selection
- High Frequency Arc Start
- Low Energy Consumption
- Light Weight and Portable
- Fully Adjustable Frequency
AC Mix DC
- Digital Output Current



SPECIFICATION			UNIT	TAD 300	TAD 400
RATED OUTPUT CURRENT			A	300	400
RATED INPUT VOLTAGE			V	3 PHASE 340V - 493V	3 PHASE 340V - 493V
INPUT SOURCE			Hz	50/60	50/60
OUTPUT CURRENT	THREE PHASE	TIG	A	DC : 5 ~ 300 AC : 20 ~ 300	DC : 10 ~ 400 AC : 25 ~ 400
		STICK	A	DC : 5 ~ 250	DC : 10 ~ 250
OUTPUT VOLTAGE	THREE PHASE	TIG	V	DC : 24 AC: 22	DC : 26 AC: 26
		STICK	V	DC : 30	DC : 30
INPUT AT RATED LOAD	THREE PHASE	TIG	KVA/KW	DC : 9.4 / 8.7 AC : 10.3 / 9.5	DC : 14.2 / 13.3 AC : 14.2 / 13.3
		STICK	KVA/KW	DC : 10.7 / 9.9	DC : 12.5 / 11.7
RATED DUTY CYCLE AT AWS STANDARD			%	100% 40°C	80% 40°C
OPEN CIRCUIT VOLTAGE (O.C.V)			V	DC : 67 AC : 135	DC : 67 AC : 145
START CURRENT (INITIAL CURRENT)			A	DC : 5 ~ 300 AC : 20 ~ 300	DC : 10 ~ 400 AC : 25 ~ 400
CRATER CURRENT			A	DC : 5 ~ 300 AC : 20 ~ 300	DC : 10 ~ 400 AC : 25 ~ 400
PULSE CURRENT			A	10 ~ 300	10 ~ 400
UP SLOP TIME			SECOND	0.1 ~ 5	0.1 ~ 5
DOWN SLOP TIME			SECOND	0.1 ~ 5	0.1 ~ 5
ARC SPOT TIME			SECOND	0.1 ~ 5	0.1 ~ 5
PRE FLOW TIME			SECOND	0.2 ~ 5	0.2 ~ 5
MIX FREQ			Hz	0.5 ~ 10	0.7 ~ 10
MIX AC DC			%	20 ~ 80	20 ~ 80
AFTER FLOW			SECOND	2 ~ 20	2 ~ 15
LOW PULSE			Hz	0.5 ~ 27	0.5 ~ 27
MID PULSE			Hz	7.5 ~ 500	7.5 ~ 500
PULSE			%	20 ~ 80	20 ~ 80
CLEANING (AC +/-)			%	20 ~ 80	20 ~ 80
CRATER				ON / OFF - REPEAT	ON / OFF - REPEAT
REMOTE CONTROL				OPTIONAL (8m)	OPTIONAL (8m)
DIMENSION (W*D*H)			MM	410*510*620	410*510*620
WEIGHT			KG	65	65

HPT

Inverter

DC STICK WELDING MACHINE

- Arc Force Anti Stick Function -
(Positional Welding)
- Soft Arc
- Crisp Arc
- Pulse Current
Start ARC
- Arc Start
- Low Energy
Consumption
- Variable Input
Current (V)
350V - 460V
- Digital Output
Current
- Prevention Of
Electric Shock



ST - 502

SPECIFICATIONS

ITEM		MODEL	ST - 502
RATED INPUT		VAC	3Φ 415VAC 50/60 HZ +15%, -15% : 350V - 460V
RATED IN LOAD	STICK	KVA	27
		KW	25
RATED VOLTAGE	STICK	VDC	40
OPEN CIRCUIT VOLTAGE		VDC	70VDC(MAX) / 48VDC(STANDARD) / 12VDC(REDUCE) +5, -5% (DIP-SWITCH (OCV) ON PCB)
OUTPUT		ADC	20 -1 ~ 500 + 2
DUTY CYCLE		%	40 @ 40°C / 10 Min
AMMETER		PRESETTING	
SELECT ARC START		ARC START OFF / ARC START ON / PULSE START	
ARC FORCE		ADJUSTABLE (ON / OFF SWITCH)	
ARCSTART		ADJUSTABLE	
OVER TEMP.		80°C	
OVER CURRENT		✓	
OVER SHORT		✓	
CELLULOSIC CAPABILITY		YES	
ELECTRODE		mm	6
WEIGHT		kg	64
DIMENSION (W*D*H*)		mm	418*590*532



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HPT

CD8000

Welding in
milliseconds

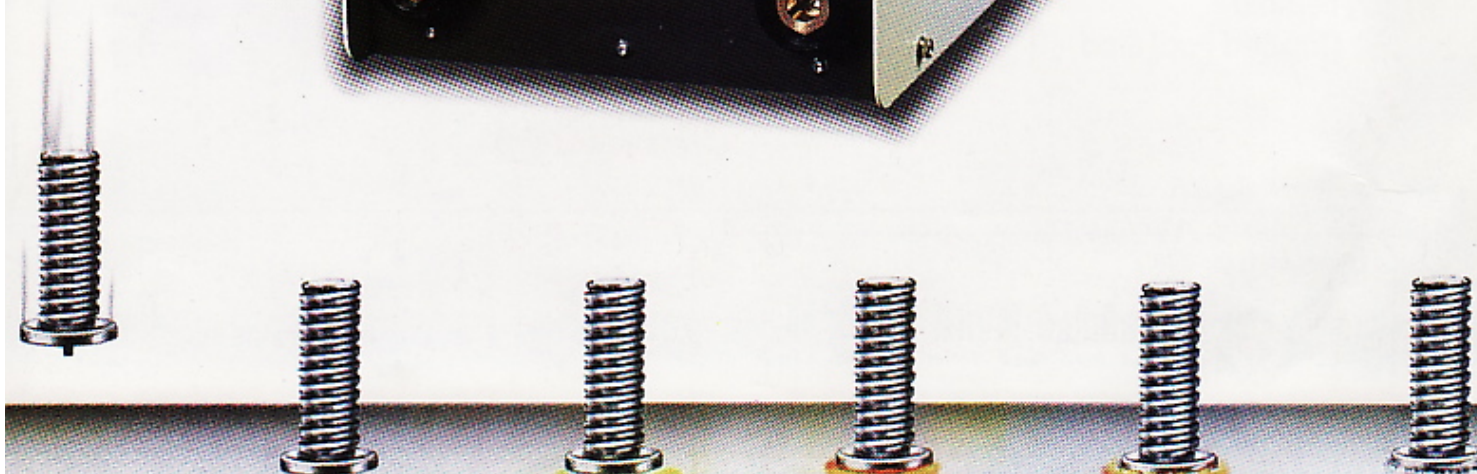
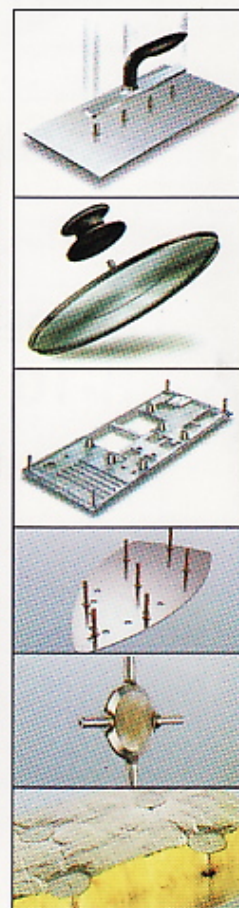
One sided fastening
without holes

Less assembly step
(no punching, drilling,
tapping, riveting)

More design freedom

Low tooling and
labour costs

Stud welding systems for CD-welding



SPECIFICATIONS	MODEL CD8000
Rated Input Voltage	240± 18%
Rated Input Frequency	50 / 60
Stud Material	Mild Steel, Stainless, Brass, Copper, Aluminium, Titanium
Charging Voltage	DC 30V~180V
Stud Range (mm)	Stud Diameter M1.6 ~ M8
	Aluminium, Titanium M1.6 ~ M6
	Weld Base Diameter $\Phi 10$ (max)
Capacitance range	90,000 μF
Charge Time	2 ~ 5 seconds
Dimensions (mm)	490 x 260 x 310mm
Weight	23kg
Welding Gun	H-10 Mild Steel, Stainless Steel Able to use alternate Welding Gun for Aluminium
Standard Accessories Cable	5m Welding Gun 4m Ground Cable with double clamps




Welding Gun

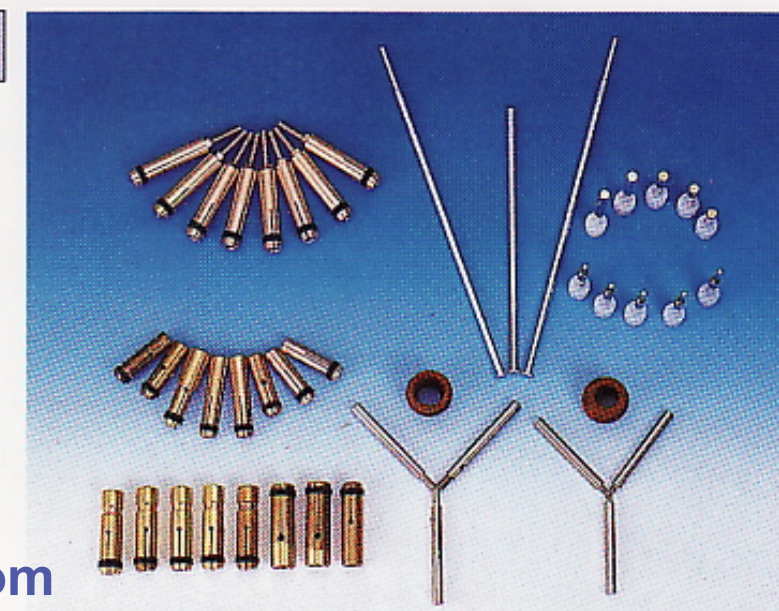
MODEL
H-10



- Model : H-10
- Stud Diameter : M1.6~M10
- Stud Length : 5~150 (M6)
5~50 (M8)
- Stud Material : Mild Steel, Stainless Steel, Copper, Brass

Stud Range

- [S] Non-Flanged Stud 
- [F] Flanged Stud 
- [TP] Female [Tapped Pad] Stud 



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