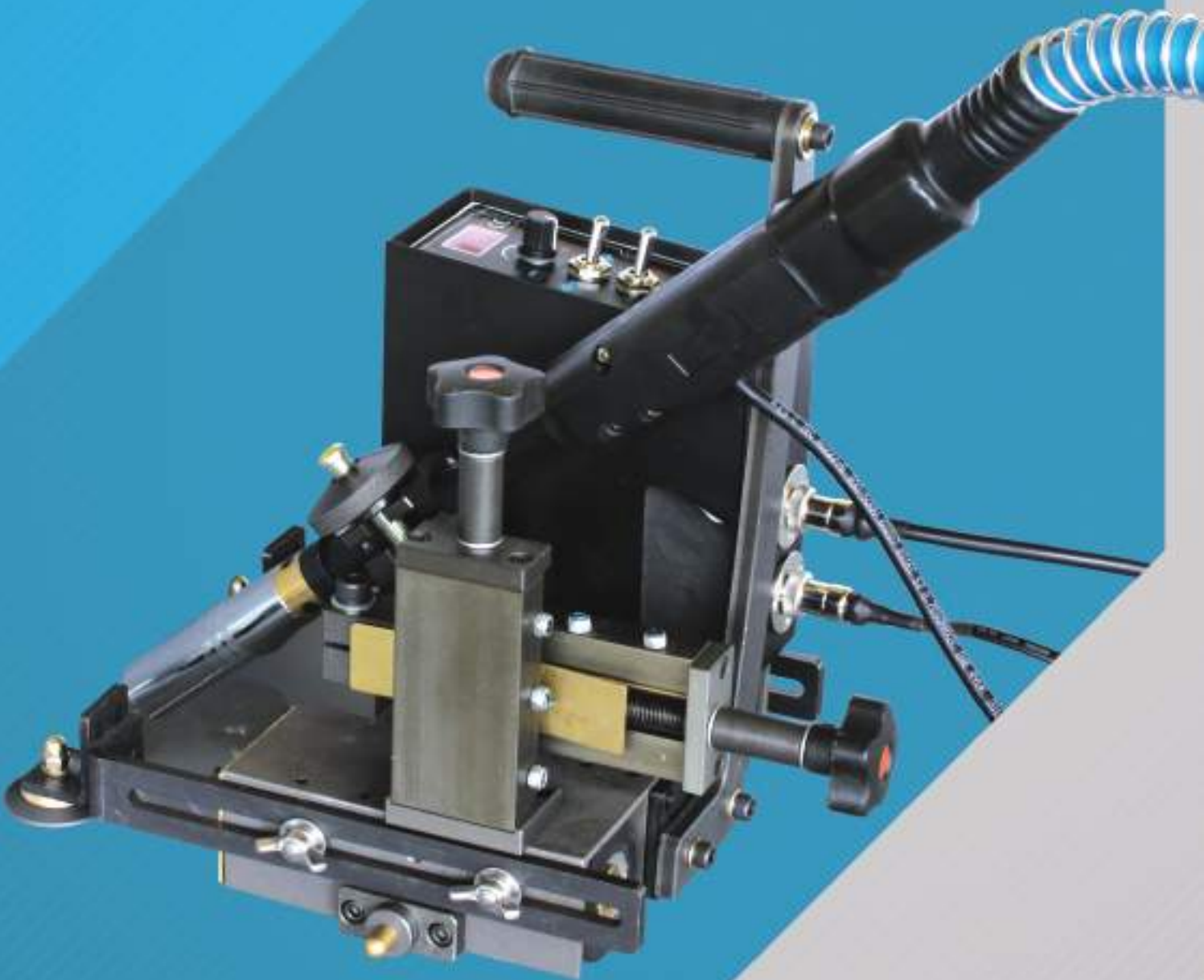
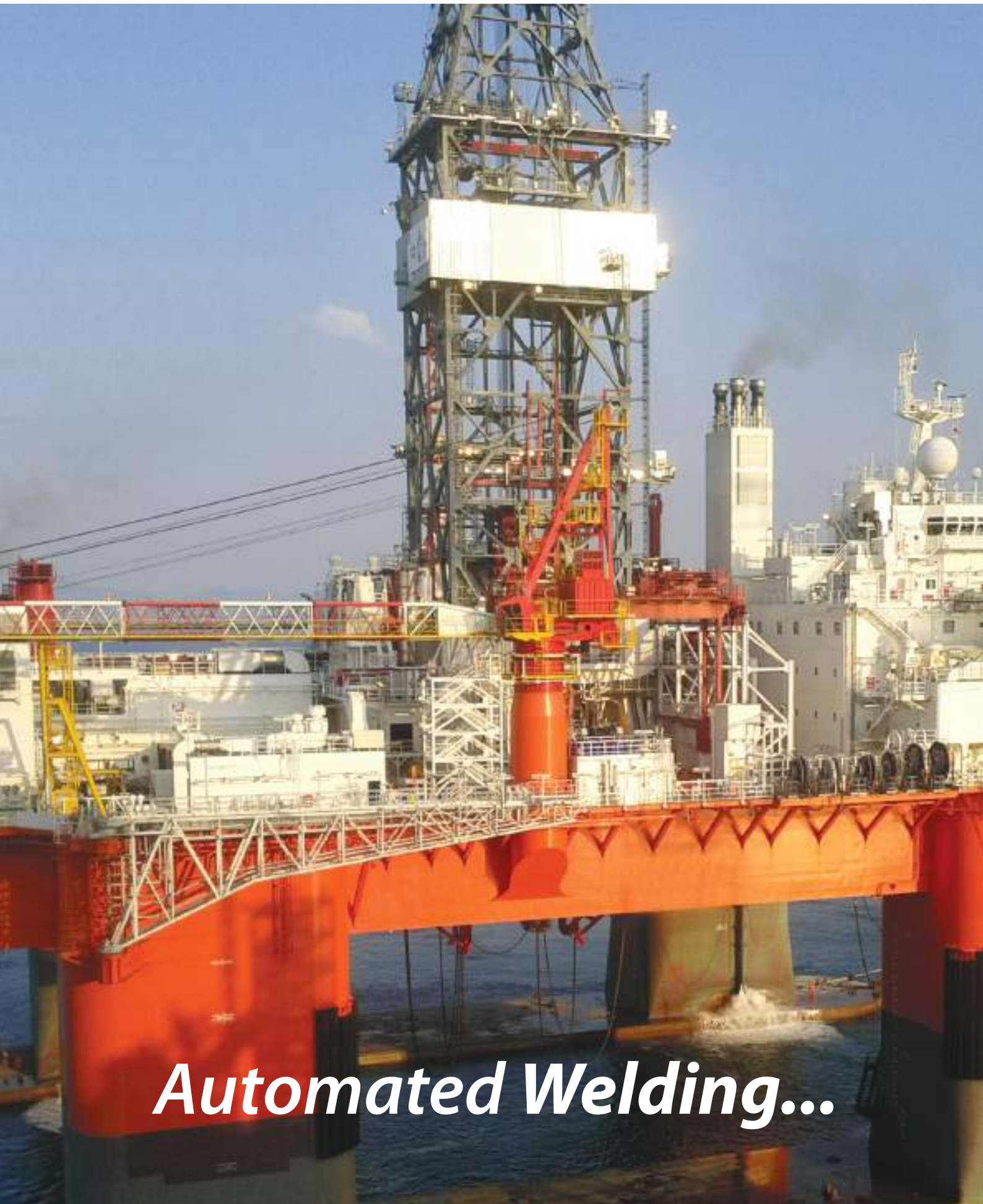


[www.koreaweld.com](http://www.koreaweld.com)

*Automated Welding Systems*  
**KOREAWELD**



**KOREAWELD Co., Ltd.**



# *Automated Welding...*

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## KW-FF1

FILLET WELDER, FLOOR DRIVING, ONE TORCH, STITCH & CONTINUOUS

## KW-FF1B

FILLET WELDER, BATTERY POWER

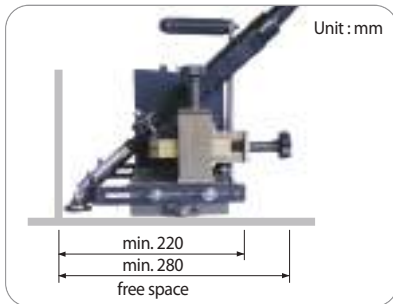
FLOOR DRIVING, ONE TORCH, STITCH & CONTINUOUS, Battery Power



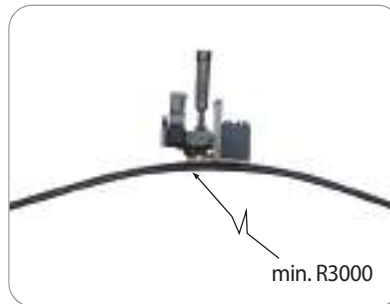
### FEATURES

- Single torch, floor driving with the magnet fitted on the bottom of the carriage
- Stitch or continuous welding mode available
- X-Y slider helps setting torch widely and speedy
- Both mechanized & manual torches useful
- Max pulling power 20Kgf and max. 30 degree climbable
- Limit switches stop the travel automatically when welding finished.
- Magnetic handle offers easy to mount and dismount the carriage
- Crate filling time at the beginning and ending of the welding can be controlled for 0~3 seconds
- Travel speed in CM/min. or Inch/min programmable
- Battery Power, 14.4Vdc 2.0Ah Lithium-Ion, available by Order Specifications of KW-FF1B

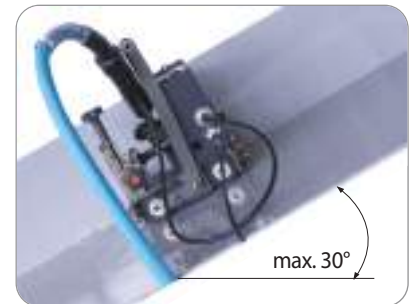
FLOOR DRIVING



RADIUS



CLIMBALE PLANE



MAJOR PARTS	DESCRIPTIONS	SPECIFICATIONS
General	Size in mm(WLH) & Weight	Carriage: 260 x 270 x 300 mm, 6.0Kg Packing: 400 x 400 x 300, 10.0kg
	Input source	100~240Vac, 50~60Hz, 1 Phase
Traveling	Power unit	24Vdc 12W, 5000rpm (Battery power 12Vdc)
	Reducer	1:400(gear ratio 1:2)
	Speed	0-860mm/min
	Power transmission	4 wheels chain driven
	Magnet location	Bottom on the carriage
X-Y Slider	X slider stroke	0-50mm
	Y slider stroke	0-50mm

# KW-FW1

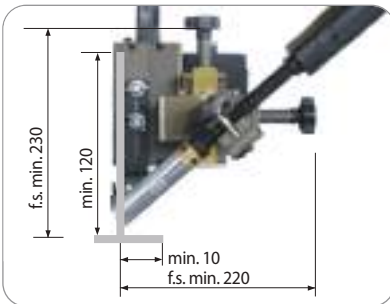
FILLET WELDER, WALL DRIVING, SINGLE TORCH, STITCH & CONTINUOUS



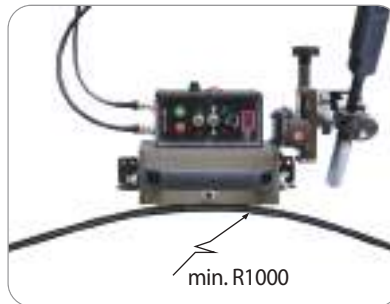
## FEATURES

- Single torch, Wall driving with the magnet fitted on the bottom of the carriage
- Stitch or continuous welding mode available
- X-Y slider helps setting torch widely and speedy
- Both mechanized & manual torches useful
- Max pulling power 20Kgf and max. 30 degree climbable
- Crate filling time at the beginning and ending of the welding can be controlled for 0~3 seconds
- Travel speed in CM/min. or Inch/min programmable

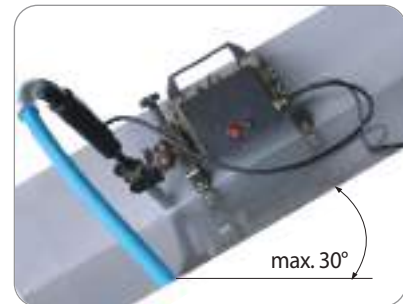
WALL DRIVING



RADIUS



CLIMBALE PLANE



MAJOR PARTS	DESCRIPTIONS	SPECIFICATIONS
General	Size in mm(WLH) & Weight	Carriage: 380 x 215 x 230 mm, 6.0Kg Packing: 400 x 400 x 300, 10.0kg
	Input source	100~240Vac, 50~60Hz, 1 Phase
Traveling	Power unit	24Vdc 12W, 5000rpm
	Reducer	1:400(gear ratio1:1)
	Speed	0-1720mm/min
	Power transmission	4 wheels chain driven
	Magnet location	Bottom on the carriage
X-Y Slider	X slider stroke	0-50mm
	Y slider stroke	0-50mm

## KW-FF2

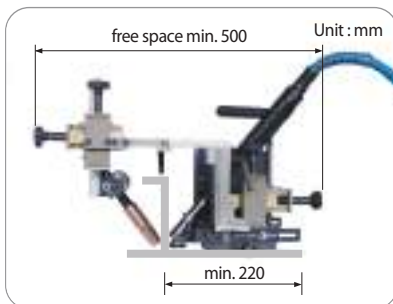
FILLET WELDER, FLOOR DRIVING, DUAL TORCH, STITCH & CONTINUOUS



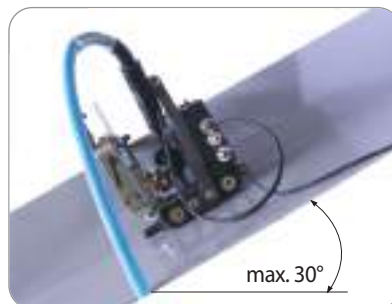
### FEATURES

- Dual torch, floor driving with the magnet fitted on the bottom of the carriage
- Stitch or continuous welding mode available
- X-Y slider helps setting torch widely and speedy
- Both mechanized & manual torches useful
- Max pulling power 20Kgf and max. 30 degree climbable
- Limit switches stop the travel automatically
- Magnetic handle offers easy to mount and dismount the carriage
- Crate filling time at the beginning and ending of the welding can be controlled for 0~3 seconds
- Travel speed in CM/min. or Inch/min programmable

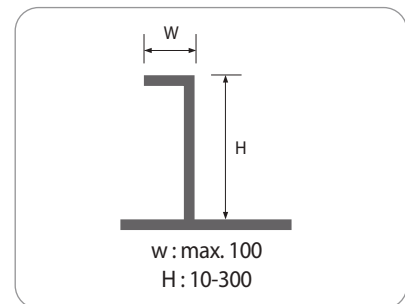
FLOOR DRIVING



CLIMBALE PLANE



WORKPIECE



MAJOR PARTS	DESCRIPTIONS	SPECIFICATIONS
General	Size in mm(WLH) & Weight	Carriage: 290 x 440 x 330, 9.0Kg Packing: 400 x 400 x 300, 14.0kg
	Input source	100~240Vac, 50~60Hz, 1 Phase
Traveling	Power unit	24Vdc 12W, 5000rpm
	Reducer	1:400(gear ratio1:2)
	Speed	0-860mm/min
	Power transmission	4 wheels chain driven
	Magnet location	Bottom on the carriage
X-Y Slider	X slider stroke	0-50mm
	Y slider stroke	0-50mm
Extended torch	Torch adjustable angle	45±10
	X-slider stroke	0~50mm
	Y-slider stroke	0~50mm
	Y-clamp slider stroke	0~80mm

# KW-FW2

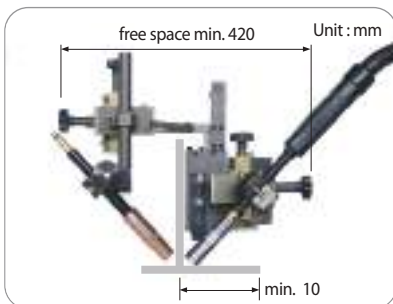
FILLET WELDER, WALL DRIVING, DUAL TORCH, STITCH & CONTINUOUS



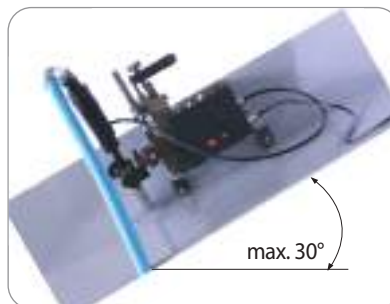
## FEATURES

- Dual torch, wall driving with magnet fitted on the bottom of the carriage
- Stitch or continuous welding mode available
- X-Y slider helps setting torch widely and speedy
- Both mechanized & manual torches useful
- Max pulling power 20Kgf and max. 30 degree climbable
- Crate filling time at the beginning and ending of the welding can be controlled 0~3 seconds
- Travel speed in CM/min. or Inch/min programmable

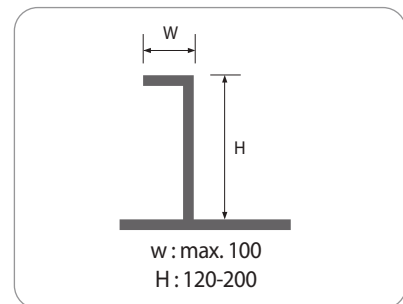
WALL DRIVING



CLIMBALE PLANE



WORKPIECE



MAJOR PARTS	DESCRIPTIONS	SPECIFICATIONS
General	Size in mm(WLH) & Weight	Carriage: 290 x 440 x 330, 9.0Kg Packing: 400 x 400 x 300, 14.0kg
	Input source	100~240Vac, 50~60Hz, 1 Phase
	Power unit	24Vdc 12W, 5000rpm
Traveling	Reducer	1:400(gear ratio1:2)
	Speed	0-860mm/min
	Power transmission	4 wheels chain driven
	Magnet location	Bottom on the carriage
	X slider stroke	0-50mm
X-Y Slider	Y slider stroke	0-50mm
	Torch adjustable angle	45±10
Extended torch	X-slider stroke	0~50mm
	Y-slider stroke	0~50mm
	Y-clamp slider stroke	0~80mm

## KW-FU2

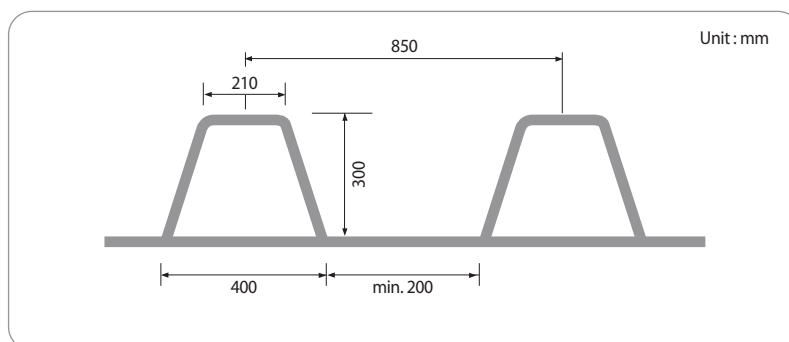
FILLET-WELDER, U-RIB, STITCH & CONTINUOUS



### FEATURES

- Dual torches fillet welder for U-RIB profile
- Adjustable the height of carriage's ARM to the work piece.
- Both mechanized and manual torch can be applicable
- Other dimensions acceptable

### WORKPIECE DIMENSION



Other dimensions optional

MAJOR PARTS	DESCRIPTIONS	SPECIFICATIONS
General	Size	750(w) x 270(L) x 650(H)
	Weight	12.5kg
	Input voltage	AC 100~204V, 50~60Hz, 1Phase
Travelling Unit	Mechanism	4Wheels-Chain-Drive
	Moter	DC24V, 12W, 5,000rpm
	Speed	0~860mm/min
	Reducer	1:400(GEAR RATIO 1:2)
XY Slider Unit	X slider stroke	0~50mm
	Y slider stroke	0~50mm



# KW-FV1

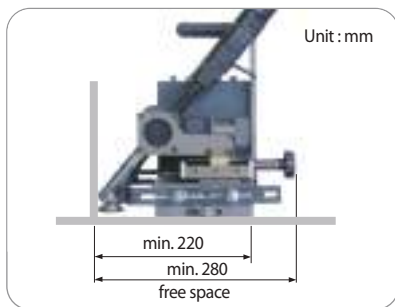
## FILLET WELDER, VERTICAL-UP WITH WEAVER



### FEATURES

- Vertical-up fillet welder with a waver is controlled at a local panel or at a remote controller for travel/weaving speeds and weaving width but the remote controller is Buyer's option.
- Center-shift functions back to original position when it only stopped.
- Secure mounting and dismounting from the work piece is easy by the powerful magnet and the release handle.
- Left/Right dwell functions while weaving.
- The optioned remote controller is useful in Max. 50 meters distance when ordering please clearly whether needed or not.

VERT.-UP DRIVING



WEAVING MODE



MAJOR PARTS	DESCRIPTIONS	SPECIFICATIONS
General	Size in mm(WLH) & Weight	Carriage: 290 x 265 x 290, 8.0Kg Packing: 400 x 400 x 300, 12.0kg
	Input source	100~240Vac, 50~60Hz, 1 Phase
Remote controller	REMOTE CONTROLLER	BUYER'S OPTION
Traveling unit	Power transmission	4 wheel chain driven
	Motor	24Vdc 12W, 5000rpm
	Speed	0-860mm/min
	Reducer	1:400, Gear ratio 1:2
X-Y Slider	X-slider stroke	0-50mm
Weaver	Power unit	24Vdc 12W, 5000rpm
	Reducer	1:1000
	Speed	0-5rpm
	Width	±16°
	Left/Right stop	0~9.9sec dwell
	Mode	

# KW-PW1

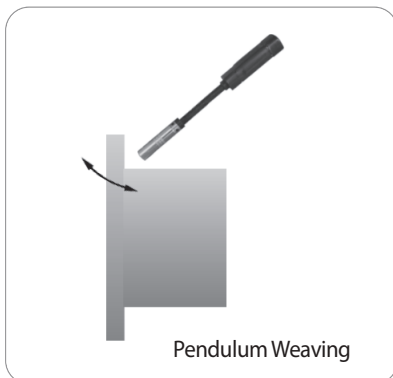
## PENDULUM WEAVER



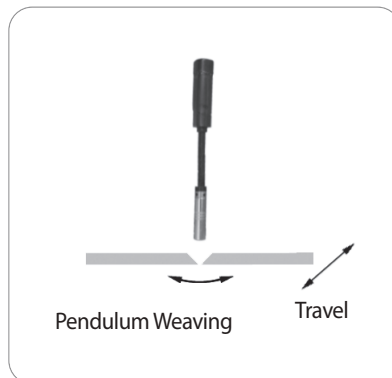
### FEATURES

- The torch activates with a pendulum weaver.
- Both butt and fillet welding suitable for a tubular or cylindrical work pieces.
- Pendulum weaving is especially useful for welding between pipe and its' flange.
- Center-shift functions like back to original position when it only stopped.
- User has to prepare a column & boom and a rotator to help the welding.
- Wired remote controller offers easy to control the machine

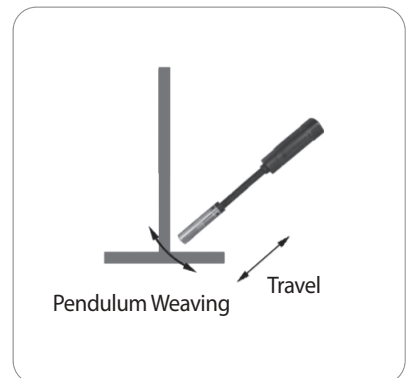
FRANGE WELDING



BUTT WELDING



FILLET WELDING



MAJOR PARTS	DESCRIPTIONS	SPECIFICATIONS
General	Size in mm(WLH) & Weight	Carriage: 160 x 300 x 250, 5.0Kg Packing: 400 x 400 x 300, 9.0kg
	Input source	100~240Vac, 50~60Hz, 1 Phase
OSCILLATING WEAVER	Power unit	24Vdc 12W, 5000rpm
	Reducer	1:1000
	Speed	0-5rpm
	Width	Max. 15 Degree
	Left/Right stop	0~9.9sec
X-Y Slider	X-slider stroke	0-50mm
	Y slider stroke	0-50mm
	Rapid slider stroke	0-150mm

# KW-LW1

## LINEAR WEAVER



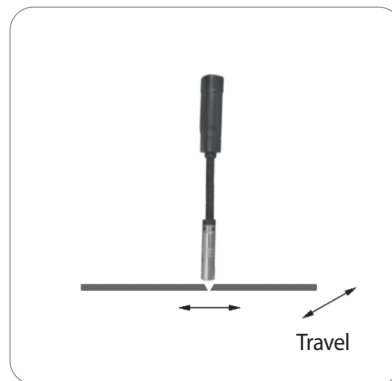
### FEATURES

- The torch activates with a pendulum weaver.
- Both butt and fillet welding suitable for a tubular or cylindrical work pieces.
- Pendulum weaving is especially useful for welding between pipe and its' flange.
- Center-shift functions like back to original position when it only stopped.
- User has to prepare a column & boom and a rotator to help the welding.
- Wired remote controller offers easy to control the machine

LINEAR WEAVER



BUTT WELDING



MAJOR PARTS	DESCRIPTIONS	SPECIFICATIONS
General	Size in mm(WLH) & Weight	Carriage: 160 x 380 x 250, 5.0Kg Packing: 400 x 400 x 300, 9.0kg
	Input source	100~240Vac, 50~60Hz, 1 Phase
	Power unit	24Vdc 12W, 5000rpm
OSCILLATING WEAVER	Reducer	1:100
	Speed	0-40mm/sec
	Width	0-60mm
	Left/Right stop	0~9.9sec
	X-slider stroke	0-50mm
X-Y Slider	Y slider stroke	0-50mm
	Rapid slider stroke	0-150mm

# KW-MR1

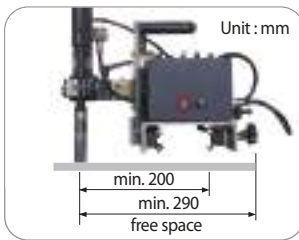
## MULTI-WELDER WITH WEAVER & RAIL



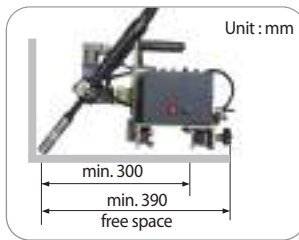
### FEATURES

- Multi-Position welder for Butt and Fillet with a waver is controlled at a local panel or at a remote controller for travel/weaving speeds and weaving width but the remote controller is Buyer's option.
- Center-shift functions back to original position when it only stopped.
- Secure mounting and dismounting the rail easily from the work piece by means of On-Off magnet switch on the rail
- Left/Right dwell functions while weaving. \*Center-shift functions when it stopped.
- The optional remote controller is useful in Max. 50 meters distance when ordering please clearly whether needed or not.

BUTT WELDING



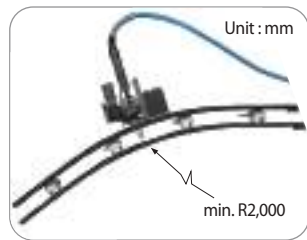
FILLET WELDING

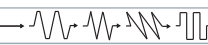


MULTI-LAYER WEAVING



FLEXIBLE RAIL



MAJOR PARTS	DESCRIPTIONS	SPECIFICATIONS
General	Size in mm(WLH) & Weight	Carriage: 330 x 285 x 255, 7.5Kg
	Input source	Packing: 400 x 400 x 300, 12.0kg
Remote controller	REMOTE CONTROLLER	BUYER'S OPTION
Traveling unit	Power transmission	Rack-Pinion, Geared motor driven
	Motor	24Vdc 12W, 5000rpm
	Speed	0-750mm/min
	Reducer	1:400, Gear ratio 1:2
	Gear Clutch	Manual moving clutch
X-Y Slider	X-slider stroke	0-50mm
	Y-slider stroke	0-50mm
	Rapid slider stroke	0-150mm
Weaver	Power unit	24Vdc 12W, 5000rpm
	Reducer	1:1000
	Speed	0-5rpm
	Width	±15°
	Left/Right stop	0~9.9sec
	Mode	→ 
Rails, 1.5M/pc Extendable. See the rail list	Rigid aluminum magnet rail	With 3 On-Off magnet switches
	Rigid aluminum vacuum rail	With 3 vacuum cups
	Flexible stainless magnet rail	With 4 On-Off magnet switches
	Flexible stainless vacuum rail	With 5 Vacuum cups

# KW-MR2

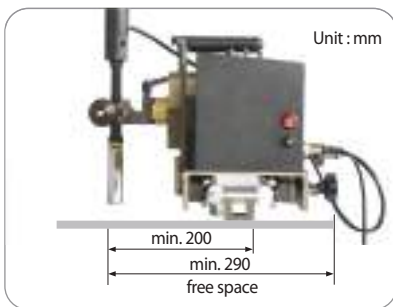
## MULTI-WELDER WITH RAIL, NO WEAVER



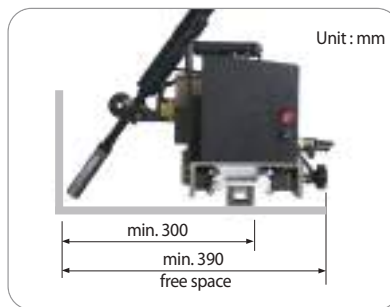
### FEATURES

- Multi-Position welder for Butt and Fillet with stitch-continuous function, and down-horizontal-overhead positions with no weaving function.
- In a case of overhead fillet welding the weld width and speed shall be controlled properly in a low speed.
- Secure mounting and dismounting the rail easily from the work piece by means of On-Off magnet switch.
- Stable speed on the rail offers quality welding.

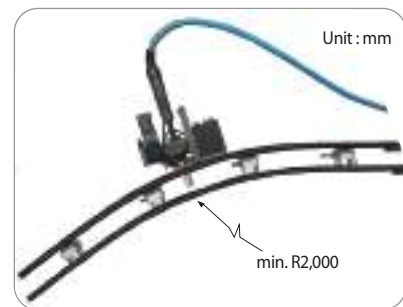
BUTT WELDING



FILLET WELDING



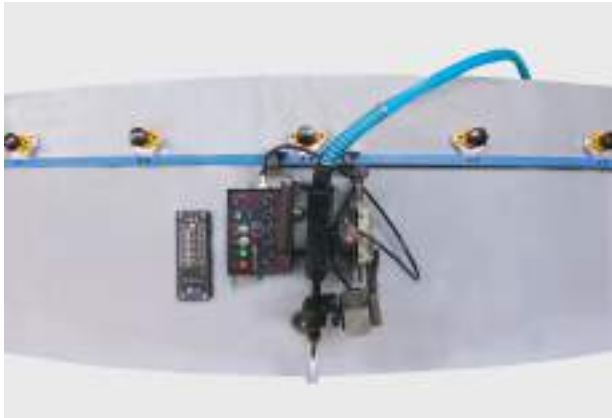
FLEXIBLE RAIL



MAJOR PARTS	DESCRIPTIONS	SPECIFICATIONS
General	Size in mm(WLH) & Weight	Carriage: 330 x 280 x 245, 6.0Kg Packing: 400 x 400 x 300, 10.0kg
	Input source	100~240Vac, 50~60Hz, 1 Phase
	Power transmission	Rack-Pinion, Geared motor driven
Traveling unit	Motor	24Vdc 12W, 5000rpm
	Speed	0-750mm/min
	Reducer	1:400
	Gear Clutch	Manual moving clutch
	X-slider stroke	0-50mm
X-Y Slider	Y-slider stroke	0-50mm
	Rapid slider stroke	0-150mm
	Rigid aluminum magnet rail	With 3 On-Off magnet switches
Rails, 1.5M/pc Extendable. See the rail list	Rigid aluminum vacuum rail	With 3 vacuum cups
	Flexible stainless magnet rail	With 4 On-Off magnets switches
	Flexible stainless vacuum rail	With 5 Vacuum cups

# KW-MR3

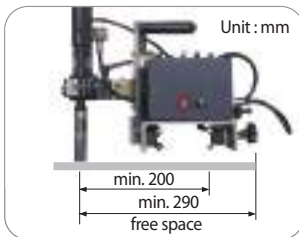
## MULTI-WELDER FOR CIRCUMFERENTIAL WELDING WITH WEAVER & RAIL



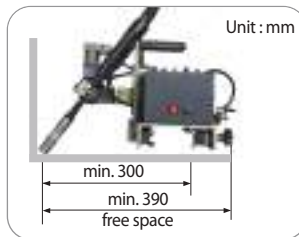
### FEATURES

- Multi-Position welder for Butt and Fillet with a waver that it is controlled at a local panel or at a remote controller controlling likely travel/weaving speed and weaving width, but the remote controller is Buyer's option.
- Center-shift functions back to original position when it only stopped.
- Secure mounting and dismounting the rail easily from the work piece by means of On-Off magnet switch.
- Left/Right dwell functions while weaving.
- Center-shift functions when it stopped.
- The optional remote controller is useful in Max. 50 meters distance, when ordering please clearly mention the controller is needed or not.

BUTT WELDING



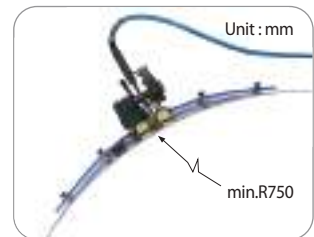
FILLET WELDING

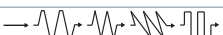


MULTI-LAYER WEAVING



FLEXIBLE RAIL



MAJOR PARTS	DESCRIPTIONS	SPECIFICATIONS
General	Size in mm(WLH) & Weight	Carriage: 330 x 285 x 255, 8.5Kg Packing: 400 x 400 x 300, 12.0kg
	Input source	100~240Vac, 50~60Hz, 1 Phase
Remote controller	REMOTE CONTROLLER	BUYER'S OPTION
Traveling unit	Power transmission	4 wheel chain driven
	Motor	24Vdc 12W, 5000rpm
	Speed	0-750mm/min
	Reducer	1:400
X-Y Slider	X-slider stroke	0-50mm
	Y-slider stroke	0-50mm
Weaver	Motor	24Vdc 12W, 5000rpm
	Reducer	1:1,000
	Speed	0-5rpm
	Width	±16°
	Left/Right stop	0~9.9sec
	Mode	
Rails, 1.5M/pc Extendable. See the rail list	Flexible MC NYLON	With 5 On-Off magnet switches
		Min bending radius 750mm

# RAILS FOR WELDING CARRIAGES

STANDARD LENGTH: A 1.5 METER AND EXTENDABLE AS WANTED LENGTH.

## KW-RR3M

Rail Rigid aluminum with 3-magnets On-Off switches, weight 8.0Kgs



## KW-RR3V

Rail Rigid aluminum, 3-vacuum cups 8.0Kgs with a vacuum pump 2.0Kgs. (9Kgs in total)  
The pump capacity: 20L/min, vacuum 50-60cm/Hg, 100-240Vac



## KW-RF4M

Rail Flexible stainless steel with 4-magnets On-Off switches 9.0Kgs



Min. Bending Radius: R 2000mm

## KW-RF5V

Rail Flexible stainless steel with 5-vacuum cups 6.5Kgs,  
A vacuum pump(20L/min, vacuum 50-60cm/Hg, 240Vac, 50-60Hz)  
2.0kgs, total 8.5Kgs



Min. Bending Radius: R 2000mm

## KW-RF5M

Rail Flexible MC Nylon with 5-magnets On-Off switches.  
3.0Kgs.



Min. Bending Radius 750mm, 3.0Kgs

## KW-PPBM

PIPE BEVELING MACHINE



### FETURES

- Beveling angle range 20°-45°
- Applicable pipe: Max 30mm thickness, 350mm-1500mm diameter with min.. 200mm long
- Cutting speed: Max. 400mm/min, for carbon steel, with max. 30mm thickness
- And cutting speed adjustable depending on materials and a stable speed provides clear and even surface.
- The guide chain is expendable and offers a cost saving than other conventional bevelers.
- Cutter material: Carbide insert tip, 8-blades, ready made

## KW-PLBM

PLATE BEVELING MACHINE



### FETURES

- Beveling angle range 20-45degree
- Cutting speed: Max. 400mm/min, mild steel, max. 30mm thickness
- And cutting speed adjustable depending on materials and a stable speed provides clear and even surface.
- Cutter material: Carbide insert tip, 8-blades, ready-made can buy everywhere.
- Automatic stop function provides by a limit switch after finishing at every step of beveling.

DIVISION	DESCRIPTIONS	SPECIFICATIONS
General	Size in mm(WLH) & Weight	Carriage: 314 x 374 x 298, 22.5Kg Packing: 400 x 400 x 300, 30.0kg
	Input source	200-240Vac, 50~60Hz, 1 Phase
Traveling unit	Mechanism	Geared motor
	Motor	24Vdc 40W, 4500rpm
Cutter unit	Spindle motor	750W, 8,000rpm
	Cutting speed	600-1,500rpm
Applicable pipe Work-Price	Min. and Max outside diameter	350-1500mm $\phi$ with min 200mm long/250mm width
	Pipe thickness	Max. 30mm, 250mm long/250mm width
	Beveling angle	20-45°
Guide Chain	Aluminum	Chain lengths extendable/No Chain for PLBM



# CHAIN & BEVELING TABLES

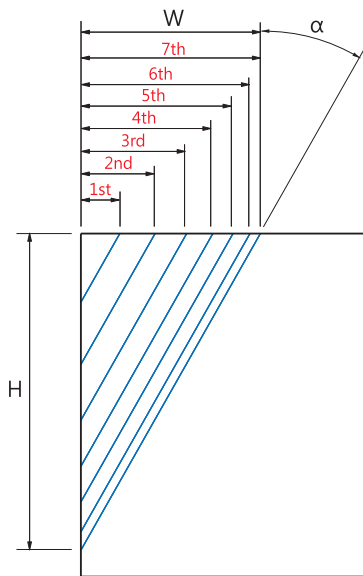
## GUIDE CHAIN COMPOSITION



PIPE			GUIDE CHAIN		
ND		OD	CHAIN COMPOSITION (Height : 112.4)	WEIGHT	REMARK
A	B				
350A	14B	355.6	Ⓐ 12ea+Ⓓ	3.4Kg	
400A	16B	406.4	Ⓐ 14ea+Ⓓ	3.8Kg	
500A	20B	508.0	Ⓐ 18ea+Ⓓ	4.6Kg	
600A	24B	609.6	Ⓐ 22ea+Ⓓ	5.4Kg	
700A	26B	711.2	Ⓐ 26ea+Ⓓ	6.2Kg	
800A	28B	812.8	Ⓐ 30ea+Ⓓ	7.0Kg	
1000A	40B	1016.0	Ⓐ 37ea+Ⓑ1ea+ Ⓓ	8.5Kg	
1200A	48B	1219.2	Ⓐ 45ea+Ⓑ1ea+ Ⓓ	10.1Kg	
1500A	60B	1524.0	Ⓐ 57ea+Ⓒ1ea+ Ⓓ	12.5Kg	
1800A	72B	1829.0	Ⓐ 69ea+Ⓒ1ea+ Ⓓ	14.9Kg	
2000A	80B	2032.0	Ⓐ 77ea+Ⓒ1ea+ Ⓓ	16.5Kg	

	GUIDE CHAIN	2/3 GUIDE CHAIN	2/1 GUIDE CHAIN	CLAMP SET
TYPE	Ⓐ	Ⓑ	Ⓒ	Ⓓ
WEIGHT	0.2Kg	0.2Kg	0.1Kg	1Kg
WIDTH	81mm	61mm	41mm	145mm

## BEVELING TABLE FOR KW-PPBM & PLBM



NO.	CARBON STEEL						STAINLESS STEEL					
	20°		30°		45°		20°		30°		45°	
a	W	H	W	H	W	H	W	H	W	H	W	H
1st	3.5	9.6	3.5	6.1	3.5	3.5	2.5	6.9	3.0	5.2	3.0	3.0
2nd	5.5	15.1	5.5	9.5	6.0	6.0	5.0	13.7	5.5	9.5	5.5	5.5
3rd	6.5	17.9	9.5	13.0	8.5	8.5	7.0	19.2	8.0	13.9	8.0	8.0
4th	8.0	22.0	11.5	16.5	10.0	10.0	8.0	22.0	10.0	17.3	10.5	10.5
5th	9.5	26.1	13.0	19.9	12.5	12.5	9.0	24.7	11.5	19.9	13.0	13.0
6th	11.0	30.2	14.5	22.5	15.0	15.0			12.5	21.7	15.5	15.5
7th			16.0	25.1	17.0	17.0			13.5	25.1	17.5	17.5
8th			17.0	27.7	19.0	19.0			14.5		19.0	19.0
9th				29.4	20.5	20.5					20.5	20.5
10th					22.0	22.0					22.0	22.0
11th					23.5	23.5					23.0	23.0
12th					25.0	25.0					24.0	24.0
13th					26.5	26.5					25.0	25.0
14th					27.5	27.5						

\* The table has been made according to actual experimental data values. However, slight errors may be occurred depending on allowable pipe tolerance.

## HYBRID MECHANIZED TORCH FOR CO<sub>2</sub> & MAG



### TORCH SPECIFICATIONS

Current	250A		350A		400A		500A		600A	
Long (meter)	3	5	3	5	3	5	3	5	3	5
Wire (mm)	0.9~1.2	0.9~1.2	0.9~1.4	0.9~1.4	1.2~1.4	1.2~1.4	1.2~1.6	1.2~1.6	1.2~1.6	1.2~1.6
Cooling	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air
Weight (Kg)	2.1Kg	2.9	2.9	3.8	2.9	3.8	2.9	3.8	2.9	3.8
Material	Cu	Cu	CCA	CCA	CCA	CCA	Al	Al	Al	Al

Material, Cu: Copper, CCA: Copper Coated Aluminum, Al: Aluminum

# TUNGSTEN GRINDER

Enjoyable mate with useful for TIG & Plasma welding!



## Standard specifications

MODEL	HANTO TG-05
Voltage	1 Phase AC 200, 50-61Hz
Output	60Watt
Duty	100%
RPM	3200
Weight	6Kg
Dimension	250 x 120 x 215 mm

## FETURES

- It can obtain exact angles 15°, 30°, 45°, 60°, 90°, 120° and desirable angles.
- It can save approx. 30% tungsten rods.
- By neat grinded with the angle, it can obtain excellent arc and bead widths.
- Light weight and smaller size provide easy handling.

## Precautions before handling

- Make sure the earth connected properly.
- The protect cover must be closed while grinding.
- While the wheel of the machine runs do not put hand into the machine.
- Switch off when the diamond wheel replaces or cleans the machine.



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