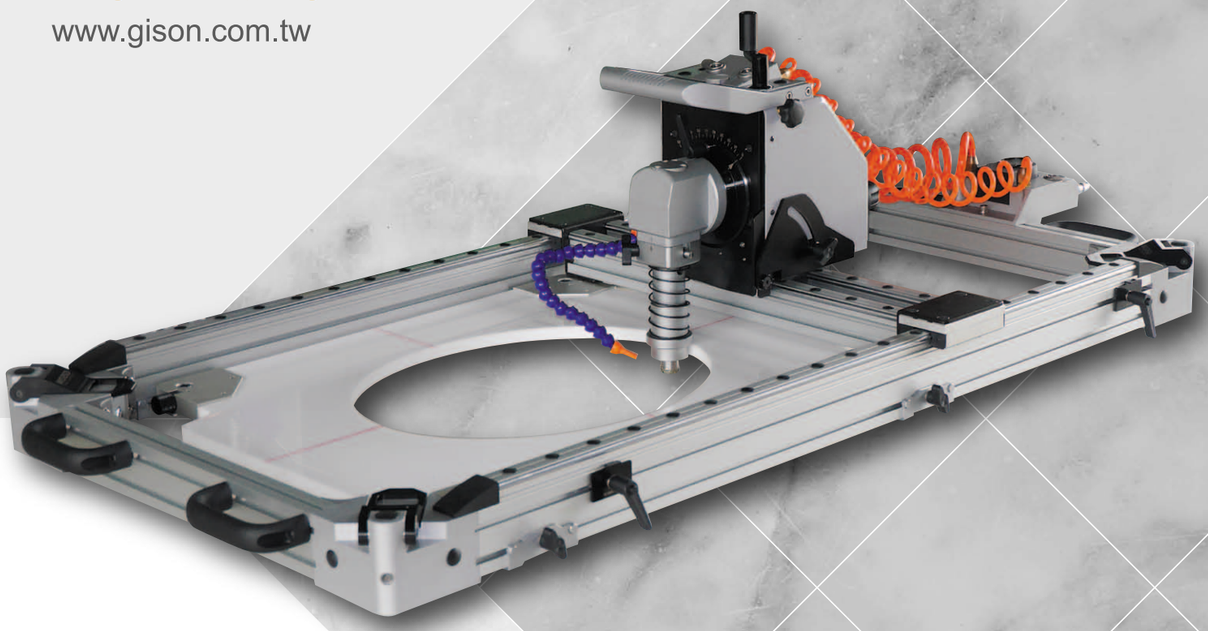
Easy to use, Key for stones.

www.gison.com.tw



GISON®

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AC Design 04-27071159

GISON®

AIR TOOLS FOR STONE INDUSTRY

Made in Taiwan

ISO-9001 certified CE

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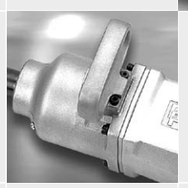
GISON

COMPANY HISTORY

1977
Changed business type from producing parts to Pneumatic tools.

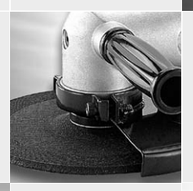
First company who manufactured 1" Heavy Duty Impact Wrench in Taiwan.



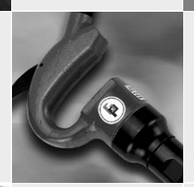
1977 ◀ 1982 ▶

1982
First company who manufactured Pneumatic Angle Sander in Taiwan.

1983
First company who manufactured Pneumatic Grinder in Taiwan.



1983 ◀ 1989 ▶



1989
First company who manufactured Pneumatic Chipping Hammer in Taiwan.

1990
First company who manufactured Pneumatic Pavement Breaker in Taiwan.

1990 ◀ 2000 ▶

2000
Developed and manufactured Pneumatic Wet Sanders / Polishers.

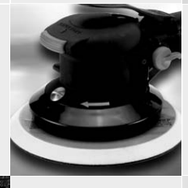
2003
First Company who developed and manufactured Wet Air Stone Router in Taiwan. Developed and manufactured Air Random Orbital Sander with revolutionary design-No Spanners needed.

2003 ◀ 2004 ▶ 2005 ▶

2005
GPS-302 Air Random Orbital Sander win The 2005 Taiwan Symbol of Excellence (SOE).

2004
GPW-510 Wet Air Stone Router win The 2004 Taiwan Symbol of Excellence (SOE) and 11th (2004) Innovation Research Award.

2006
GPS-303 Air Random Orbital Sander win The 2006 Taiwan Symbol of Excellence (SOE).



2006 ◀ 2008 ▶

2008
GPW-221 / 221L Wet Air Sander / Polisher win The 2008 Taiwan (SOE).

2009
GPW-227 Wet Air Cutting Saw.

2009 ◀ 2011 ▶

2011
GPW-A01 Wet Air Beveling Machine.

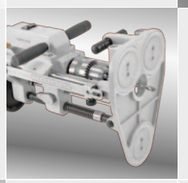
2012
GPW-A04A Mitre Clamp form Marble, Granite, Stone.

2012 ◀ 2013 ▶

2013
GPW-M1 Sink Oval Hole Cutter / Router for Wash-Basin (Stone, Marble, Granite).

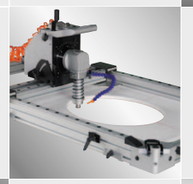
2014
New Products integrate new vacuum suction cups that can apply to any rough surfaces.

2014 ◀ 2015 ▶



2015
GPD-231 Wet Air Drilling Machine with Vacuum Suction Fixing Base.

2016
GPW-M2 Wet Air Hole Cutting Machine (for Stone, Marble, Granite) / Surface Grinding Machine.



2016 ◀ 2017 ▶

2017
GP-UAS Uninterruptible Air Supply for Air Tools.

2018
GPD-233, 234 Electric Drill Stand (with Vacuum Suction Fixing Base)

2018 ◀ 2019 ▶

2019
GP-VR120 Linear Sliding Track with Vacuum Suction Fixing Base (1.2M)

2020
TÜV Corporate Identity Verified

2017
ISO 9001:2015 certified.

2011
Our new office, showroom and product's life testing room completed.

2002
The first Pneumatic Manufacturer who achieved ISO-9001 / 2000 certification in Taiwan.

2001
First Company who developed and manufactured Pneumatic Profiling Machine for stone industry in Taiwan.

1997
SolidWorks 3D drawing software was introduced into R&D department.

1996
First Pneumatic Manufacturer who achieved ISO-9002 certification.

1995
According to European Market demand, accomplished Conformity of EC Declaration, Vibration and Sound Pressure testing for all items.

1994
Install AutoCAD 2D drawing software.

1993
43 items passed GS-TÜV approval.

1992
Moved to Wu - Jih, Taichung County, re-newed production equipment and expanded production line.

1985
Began to promote tools in GP brand in Taiwan.

1973
Preceding company was Lin Foundry, established Gison Machinery Co., Ltd. in Taichung, and manufactured gears for auto and pneumatic parts.

ISO-9001/2015 certification

Corporate Identity Verified

Check Identity here.

www.verified.chn.tuv.com
ID QYSF312019122400012918

TÜVRheinland®

GISON

COMPANY PROFILE

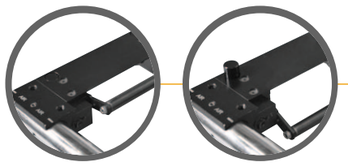
GISON Machinery Co., Ltd. has more than 46 years of manufacturing Air Tools / Pneumatic Tools experience and GISON has achieved ISO-9001 quality system certification over 22 years. GISON is a professional manufacturer of Air Tools / Pneumatic Tools. All our Air Tools are made in TAIWAN.

GISON Machinery Co., Ltd. has more than 500 models Air Tools, Pneumatic Tools, Air Wrench, Air Grinder, Air Sander, Air Polisher, Air Hammer, Air Drill, Air Screwdriver, Air Cutter, Vacuum Suction Cup ... etc.. GISON serve their customers all over the world in over 50 countries, especially in Europe, America and Australia, automobile repair, construction, decorating, fastening, handling and metal / wood / stone processing industry as the main target market.

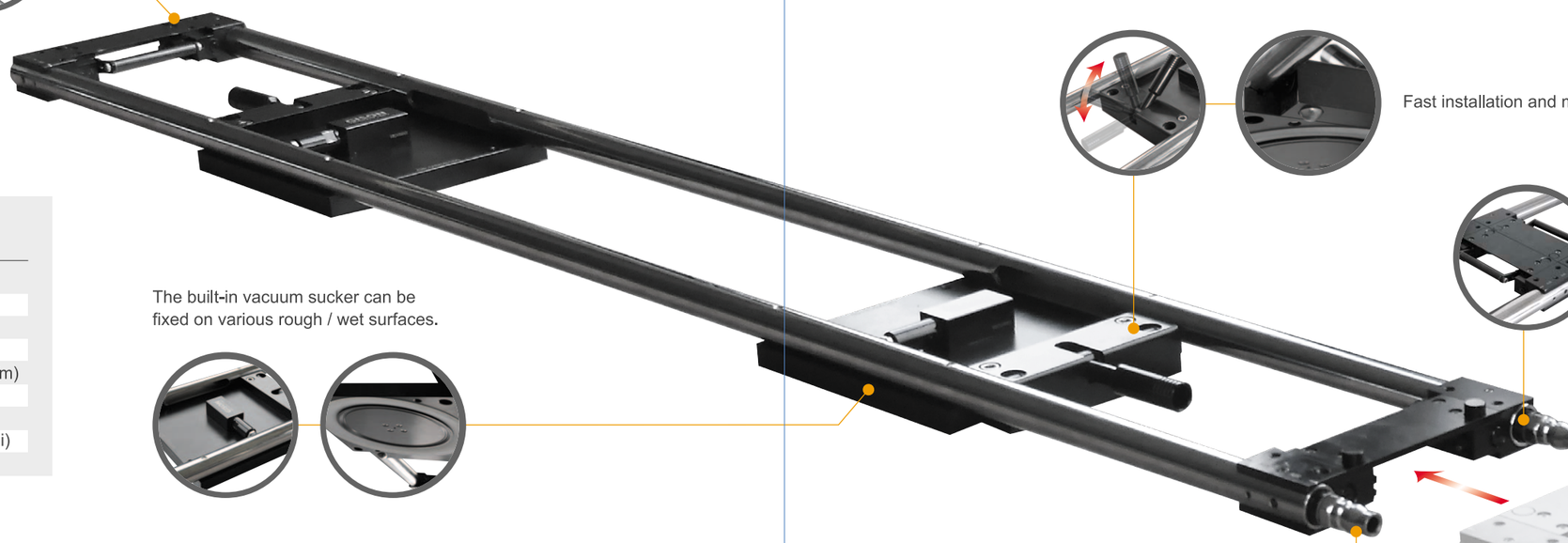
GP-VR120

Linear Sliding Track with Vacuum Suction Fixing Base (1.2 M)

Track with built-in vacuum suction cups can be quickly fixed on rough flat plane, and can be moved quickly to adjust the position. The movable platform can mount different tools by yourself. Connect more tracks to extend. (ONLY use a Air Compressor.)



The left and right ends of the track are designed to prevent falling.



The built-in vacuum sucker can be fixed on various rough / wet surfaces.

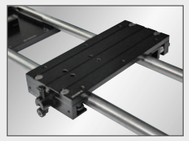
Specifications

Length	1,200 mm
Width	270 mm
Height	50 mm
Net Weight	7.29 kgs
Air Cons.	110 L/min (3.9 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	6.5 mm
Air Pressure	6.3 kgf/cm² (90 psi)

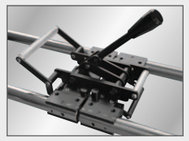
(without Sliding Block / Base)

Optional Accessories

Sliding Block
A-VSC100238



Track Connecting Auxiliary
GD-VRA01



Counterweight (1 kg)
VRA30502

Features

- You can connect more tracks to extend track length.
- Only a single air source is needed for connecting multiple tracks.
- You can quickly move the track to adjust the position.
- The Sliding Block can be used with different tools and has a wide range of applications.
- The built-in vacuum sucker can be fixed on various rough / wet surfaces (such as cement wall, wood plywood, stone back, metal sheet, etc.).
- Built-in vacuum generator, low air consumption, can be directly connected to general small air compressors, no additional vacuum pump (vacuum generator) is needed.
- The left and right ends of the track are designed to prevent falling.
- Easy to carry when going out.

Fast installation and move on working object.

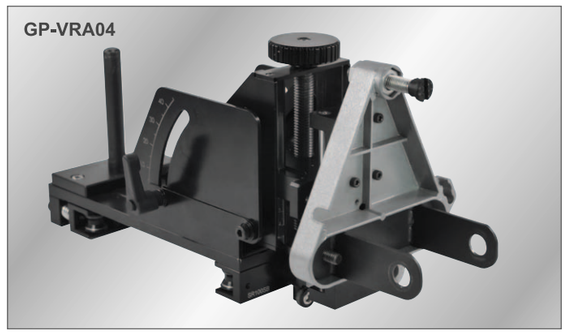
Connect more tracks to extend track length.

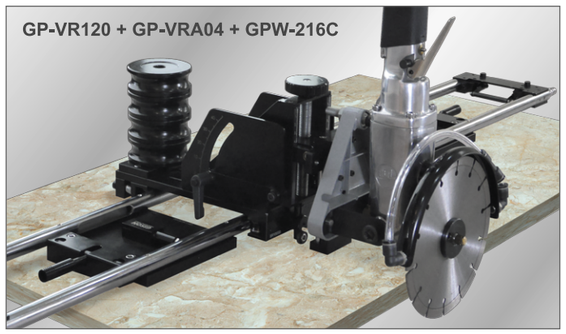
Only a single air source is needed for connecting multiple tracks.

GP-VRA04

45° Beveling Auxiliary Sliding Base (for GPW-216C)

(without Wet Air Cutting Saw)

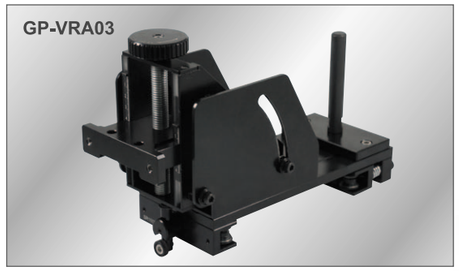


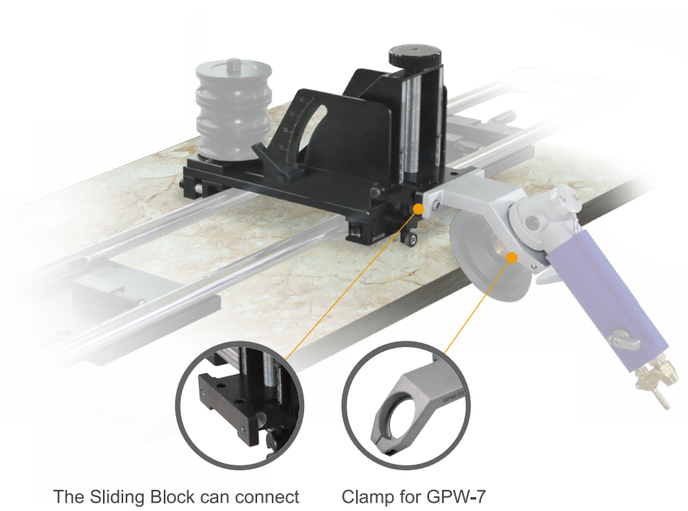


GP-VRA03

45° Beveling Auxiliary Sliding Base

(without Wet Air Sander and Clamp)

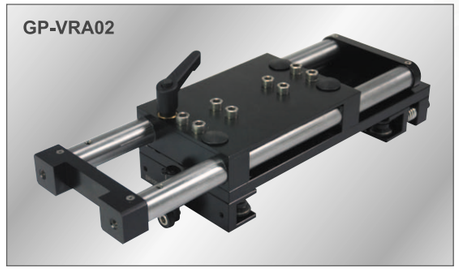


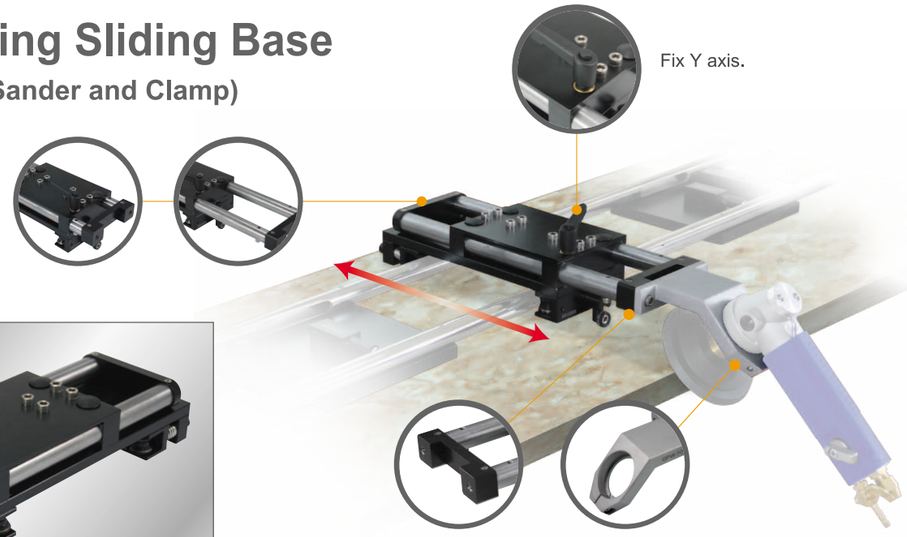


GP-VRA02

Y Axis Moving Sliding Base

(without Wet Air Sander and Clamp)



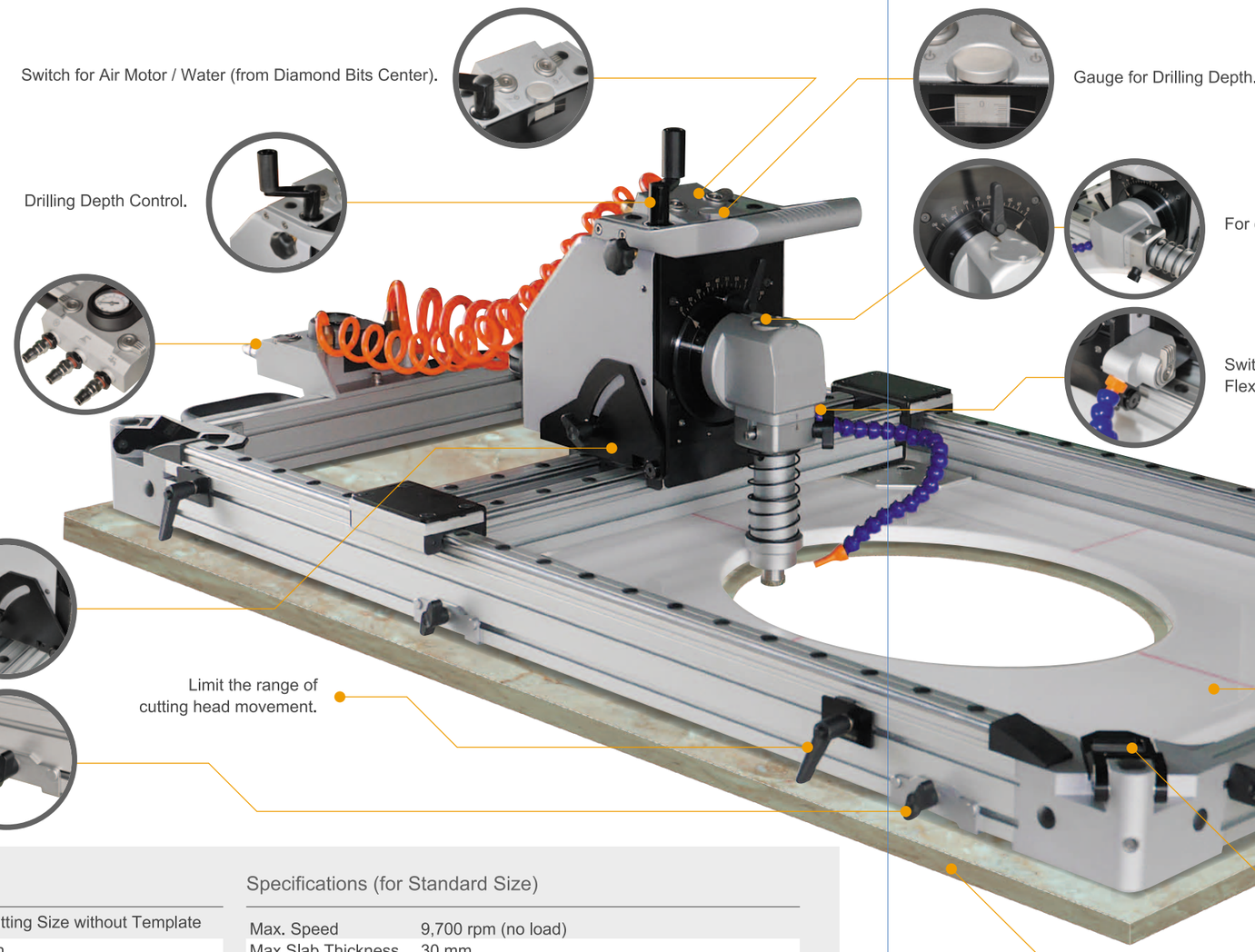


GPW-M2

WET AIR FORMING HOLE CUTTING MACHINE (HOLE CUTTER)

Simple / Quick / Perfect Finishing / Time Saving / Low Cost

GPW-M2 is a multifunction working platform machine, which does not require extra fixture clamps.
GPW-M2 can be fast secured on the working platform by the vacuum suction cups. By using different functional heads to perform different task. For instance, drilling / hole cutting on stone (with assist of template), general cutting, surface grinding / sanding / polishing … etc. Wide range of application, easy to operate, high efficiency, dust-free (water flushing) and other advantages.



Features

- Compact device, it can put on slab to operate. Unlike large former plate or computer-controlled machine needs to occupy a lot of space.
- Fast installation on slab by vacuum suction without any exter clamps. The vacuum suction works real time onto the surface, so the object can't be moved.
- Fast and reliable cut the required shape by template, without repeated renovation, most people can operate, saving time / cost.
- Easy and Quick to setup the moving range of working head.
- Quick installation / replacement diamond bits.
- Adjustable the volume of water.
- The unique torque sensitive cutting speed characteristics of the pneumatic tool, can reduce slab cutting rupture chances.
- We can follow user's require to produce your hole size (Length x Width).
  Hole Cutting Size by template is not recommanded over 60 x 60 cm.
  The size of this forming hole cutting machine is determined by the hole to be cut, not the size of the stone.

Working Area

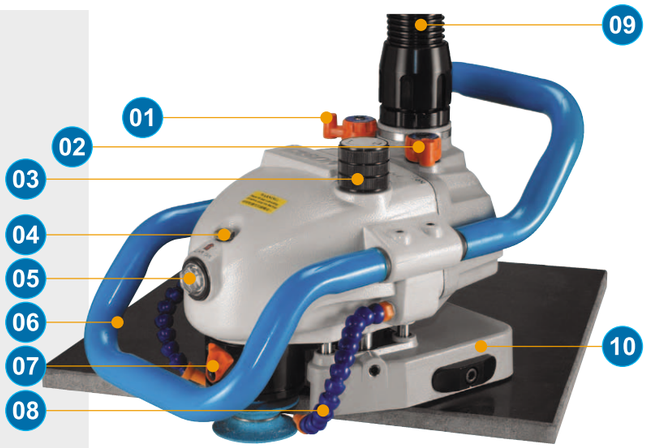
Available Cutting Size without Template	
Length	Max. 80 cm
Width	Max. 40 cm
Available Cutting Size by Template	
Length	Max. 60 cm
Width	Max. 40 cm

Specifications (for Standard Size)

Max. Speed	9,700 rpm (no load)
Max Slab Thickness	30 mm
Weight	38 kgs
Size	141 x 66 x 39 cm (Length x Width x Height)
Air Pessure	6.3 kgf/cm^2 (90 psi)
Air Inlet	1/4"
Hose Size	6.5 mm (I.D.)
Air Cons.	560 L/min (19.8 scfm) – for Air Motor 350 L/min (12.4 scfm) – for Air Vacuum Suction

GPW-510A

WET AIR EDGE PROFILING MACHINE (STONE ROUTER)



01 Water Regulator
Adjust water flow.

02 Cylinder Lubricating Oil
Pour Cylindr Lubrication oil from Air Inlet Regulator, convenient for operators to maintaiin and daily oil the machine. This design is different from traditional one, which is to pour oil from Air Inlet Tube.

03 Regulator of adjusting height of machine
The function of adjusting height of machine emnables operators to replace diamond bit and mill edge precisely (up to 35 mm).

04 Gear Lubricating Oil Hole
Pour Gear Lubricating Oil directly from the hole. Fabricators can maintain the machine themselves and extend duration of gear.

05 Gear Lubricating Oil Gauge
This gauge shows the status of gear oil so that operators can replenish oil anytime. It helps to increase working efficiency, extend machine duration and save maintenance cost.

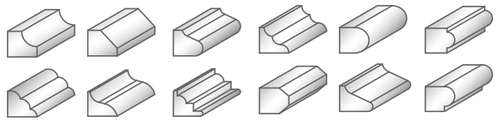
06 Working Handle
Ergonomic design of working handle enables users to work efficiently and reduce working fatigue.
Rear working handle can support the machine when lift it up. Replace diamond bit easily fo fabricators.

07 Shifting knob for diamond bit
Shifting knob enables users to lock the spindle for replacing diamond bit.

08 Flexuous water hose
The flexuous water hoses scour residue on diamond bit. It extends duration of bit and increases production efficiency.

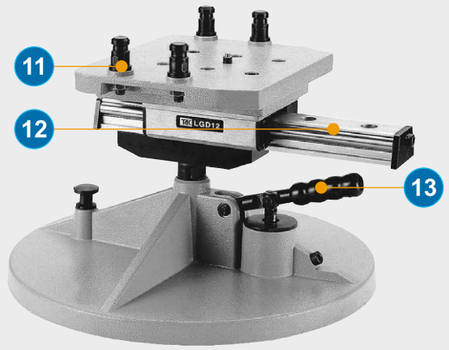
09 Exhaust Muffler Tube
Exhaust form muffler tube
- Avoid exhaust blowing to poerators and affect working efficiency.
- Avoid exhaust to damage the surface of slab, or it will spend more labour cost and working hours to re-profile the slab.
- Muffler tube can lower down sound pressure to 84 dBA and prevent occupational hazards.
- Exhaust Locking Cap can swivel in 360 degree and avoid tubes to be twined. It is much more convenient for operation.

10 Water Buoyancy Moving Base
Do not scratch the stone surface.



GPW-510A
WET AIR EDGE PROFILING MACHINE
(STONE ROUTER)

Max. Profiling Thickness	2~3 cm
Max. Speed	9,000 rpm
Horse Power	2.5 HP (1,864 W)
Spindle Size	Ø22.2 x 10 mm , M10 x P1.5
Max. Diameter of Profile Wheel	Ø80 mm
Net Weight	14.5 kgs
Length	300 mm
Width	210 mm
Height	270 mm
Air Cons.	1130 L/min (39.9 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	10 mm
Sound Pressure	82.5 dBA
Air Pressure	6.3 kgf/cm² (90 psi)
Packing (1 Carton)	1 pcs/ 1.3 cu.ft/ G.W.: 15 kgs
(without Profile Wheel)	



Inside milling
Portable design of machine and metal base / linear sliding rail mechanism allow inside edge profiling and polishing as well as straight, curved and elliptical cuts.

11 Linear Sliding Rail Mechanism
Enable users to connect the machine and bottom.

12 Bottom Board / Linear Sliding Rail Mechanism
Revolutionary design produces high performance of inside shaping as well as straight, curved edge.

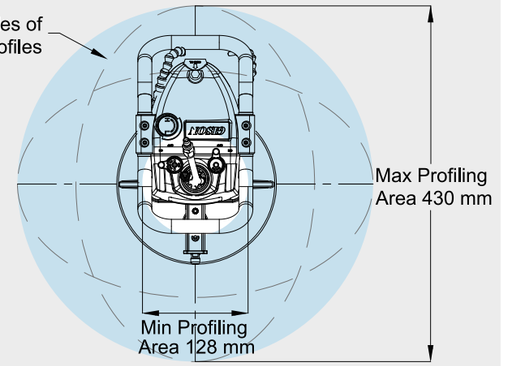
13 Metal base with vacuum function
Use Vacuum Handle to pump out air and stabilize the metal bast. The machine can be slid smoothly on linear sliding rail.

GPW-510B
Rail Bracket for GPW-510A

Net Weight	7.1 kgs
Base Size	350 x 350 mm
Height	210 mm

GPW-510
Wet Air Edge Profiling Machine (Inside / Outside)
GPW-510A + GPW-510B
(without Profile Wheel)

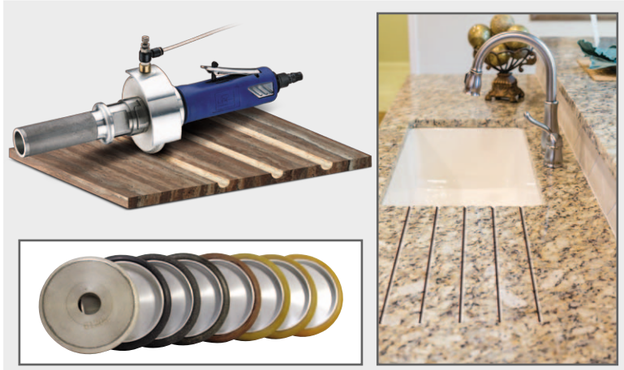
Interpretation of Inside Profiling Area :



All the shapes in light biue area are available for profiling.
(The thickness of slab and height of diamond bit will effect profiling area)

GPW-222Q
Wet Air Fluting Tool
Quick dis / assembly the fluting wheel

Guard Size	4" (100 mm)
Spindle Size	Ø22 mm
Max. Flutting Wheel Thickness	20 mm
Max. Speed	2,500 rpm
Net Weight	1.87 kgs
Length	330 mm
Air Cons.	430 L/min (15.2 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	6.5 mm
Sound Pressure	95 dBA
Vibration	< 2.5 m/sec²
Air Pressure	6.3 kgf/cm² (90 psi)
Packing (1 Carton)	8 pcs/ 2.4 cu.ft/ G.W.: 24 kgs
(with Water Hose)	
(without Air Hose)	
(without Fluting Wheel)	

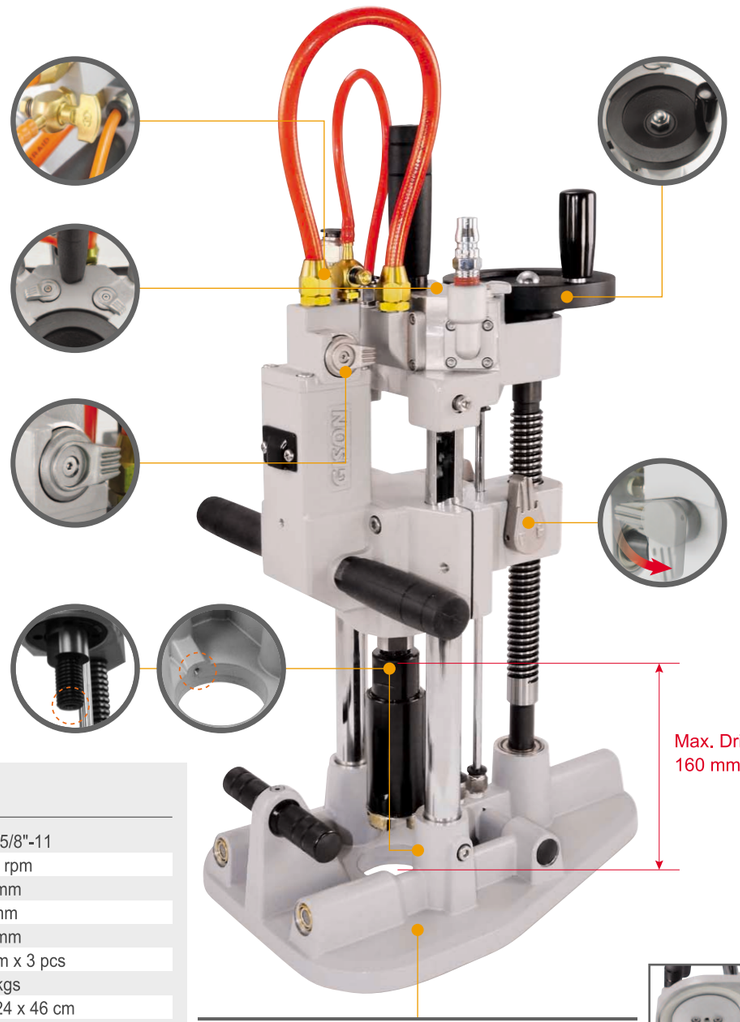


Using Fluting Wheels for referance

GPD-231B

PORTABLE AIR DRILLING MACHINE
(include Vacuum Suction Fixing Base)

The novel Vacuum Suction Fixing Base of GPD-231B can apply to wet and rough flat surfaces such as stone, cement wall ... firmly and directly free of extra fixing devices.
With no dust jobs (wet drilling), high efficiency, smooth wall of hole and precision.

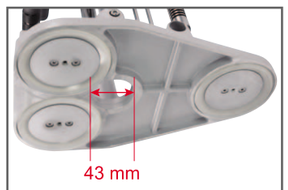


Spindle Thread

Spindle Thread	M14, 5/8"-11
Max. Free Speed	1,500 rpm
Max. Core Drill Bit	Ø40 mm
Max. Drill Bit Length	160 mm
Drilling Bore Size	Ø43 mm
Suction Cup Size	86 mm x 3 pcs
Weight	8.61 kgs
Size (LxWxH)	28 x 24 x 46 cm
Working Pressure	6.3 kgf/cm² (90 psi)
Air Cons.	560 L/min (20 scfm)
Lift Capacity	60 kgs
Sound Pressure	92 dBA
Packing (1 Carton)	1 pcs/ 1.9 cu.ft/ G.W.: 13 kgs

(without Diamond Core Drill Bit)

- The vacuum suction cups firm the drilling machine onto the surface of the workpiece firmly and directly free of extra fixing devices.
- The workpiece and the machine are attached firmly and closely by the vacuum suction, so no moving workpiece bothers the worker.



Drilling Bore Size : Ø43 mm

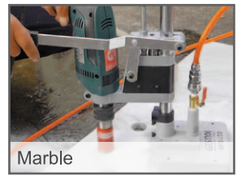
GPD-233

ELECTRIC DRILL STAND (with Vacuum Suction Fixing Base)

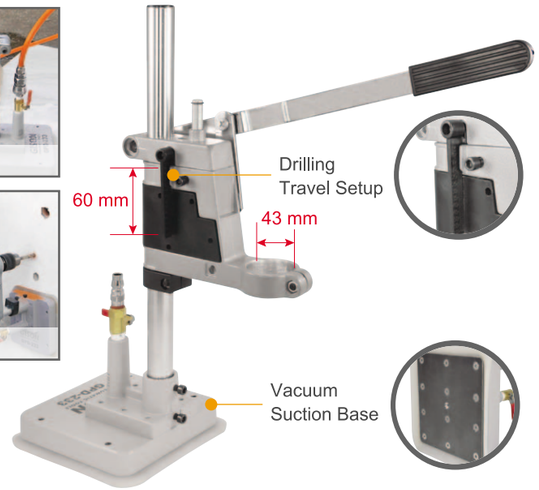
Electric / Air Drill vertical drilling auxiliary stand, with the low air consumption, it can work with the small 1.5 HP (1.1 kW) air compressor without the additional Vacuum Pump (Vacuum Generator).

Specifications * Used with Air Compressor

Clamp Holding Spec	Ø43 mm
Max. Core Drill Bit	Ø180 mm
Max. Drilling Travel	60 mm
Net Weight	3.12 kgs
Height	430 mm
Vacuum Suction Base Size	165 x 165 mm
Working Air Pressure	6.3 kgf/cm² (90 psi)
Air Cons.	78 L/min (2.75 scfm)
Lift Capacity	100 kgs
Packing (1 Carton)	6 pcs/ 2.1 cu.ft/ G.W.: 22.3 kgs

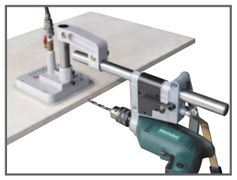

Marble

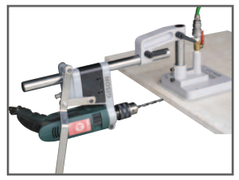

Cement Wall



GPD-233S

Light Drill Stand for Side Face (with Vacuum Suction Base)





Specifications * Used with Air Compressor

Clamp Capacity	Ø43 mm
Max. Core Drill Bit	Ø180 mm
Drilling Travel	60 mm
Net Weight	3.56 kgs
Size	740 x 370 x 170 mm
Vacuum Suction Base Size	165 x 165 mm
Working Pressure	6.3 kgf/cm² (90 psi)
Air Cons.	0.08 m³/min (2.8 scfm)
Lift Capacity	100 kgs
Packing (1 Carton)	6 pcs/ 2.1 cu.ft/ G.W.: 25 kgs

GPW-227
Wet Air Cutting Saw

Guard Size	4-3/8" (110 mm)
Saw Blade Drill Ø	20 or 22 mm
Max. Cutting Depth	30 mm
Max. Speed	7,000 rpm
Net Weight	2.92 kgs
Length	330 mm
Air Cons.	470 L/min (16.6 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	11 mm
Sound Pressure	85 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	4 pcs/ 1.8 cu.ft/ G.W.: 15.5 kgs

(without Cutting Blade)
(without Air Hose / Water Hose)

Right Handle Left Handle

GPW-216C
Wet Air Cutting Saw

Guard Size	7" (178 mm)
Saw Blade Drill Ø	22.2 mm
Spindle Thread	5/8"-11, M14
Max. Speed	7,000 rpm
Horse Power	0.93 HP (694 W)
Net Weight	3.18 kgs
Length	485 mm
Air Cons.	740 L/min (26.1 scfm)
Air Inlet	3/8"
Hose Size (I.D.)	11 mm
Sound Pressure	93 dBA
Vibration	3.2 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	4 pcs/ 2.8 cu.ft/ G.W.: 18.3 kgs

(without Cutting Blade)
(without Air Hose / Water Hose)

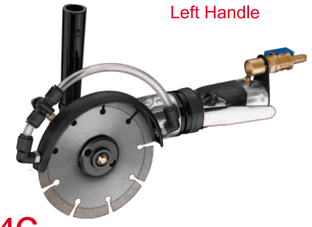
Right Handle

GPW-215CR
Wet Air Cutting Saw

Guard Size	5" (125 mm)
Saw Blade Drill Ø	22.2 mm
Spindle Thread	5/8"-11, M14
Max. Speed	11,000 rpm
Horse Power	0.61 HP (455W)
Net Weight	2.22 kgs
Length	380 mm
Air Cons.	600 L/min (21.2 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	8.0 mm
Sound Pressure	92 dBA
Vibration	<2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	6 pcs/ 2.0 cu.ft/ G.W.: 18.5 kgs

(without Cutting Blade)
(without Air Hose / Water Hose)

Left Handle



GPW-214C
GPW-215C
Wet Air Cutting Saw

Guard Size	GPW-214C : 4" (100 mm)
	GPW-215C : 5" (125 mm)
Saw Blade Drill Ø	22.2 mm
Spindle Thread	5/8"-11, M14
Max. Speed	11,000 rpm
Horse Power	0.61 HP (455 W)
Net Weight	2.02 kgs
Length	380 mm
Air Cons.	600 L/min (21.2 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	8.0 mm
Sound Pressure	92 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	6 pcs/ 2.0 cu.ft/ G.W.: 17 kgs

(without Cutting Blade)
(without Air Hose / Water Hose)

GPW-211
Wet Air Polisher / Sander

Spindle Thread	5/8"-11, M14
Pad Size	5.5" (140 mm)
Max. Speed	4,500 rpm
Horse Power	0.62 HP (462 W)
Net Weight	2.20 kgs
Length	430 mm
Air Cons.	460 L/min (16.2 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	6.5 mm
Sound Pressure	97 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	6 pcs/ 1.5 cu.ft/ G.W.: 17 kgs

(without Air Hose / Water Hose)

GPW-212
Wet Air Polisher / Sander

Spindle Thread	5/8"-11, M14
Pad Size	5.5" (140 mm)
Max. Speed	2,500 rpm
Horse Power	0.62 HP (462 W)
Net Weight	2.20 kgs
Length	430 mm
Air Cons.	460 L/min (16.2 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	6.5 mm
Sound Pressure	95 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	6 pcs/ 1.5 cu.ft/ G.W.: 17 kgs

(without Air Hose / Water Hose)

GPW-933A
Wet Air Polisher / Sander

Spindle Thread	5/8"-11, M14
Pad Size	5.5" (140 mm)
Max. Speed	4,200 rpm
Horse Power	0.64 HP (477 W)
Net Weight	2.64 kgs
Length	330 mm
Air Cons.	470 L/min (16.6 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	6.5 mm
Sound Pressure	88 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	6 pcs/ 1.8 cu.ft/ G.W.: 19 kgs

(without Air Hose / Water Hose)

GPW-215
Wet Air Grinder

Spindle Thread	5/8"-11, M14
Guard Size	5" (125 mm)
Pad Size	5.5" (140 mm)
Max. Speed	11,000 rpm
Horse Power	0.61 HP (455 W)
Net Weight	2.00 kgs
Length	300 mm
Air Cons.	600 L/min (21.2 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	8.0 mm
Sound Pressure	92 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	6 pcs/ 1.8 cu.ft/ G.W.: 17 kgs

(with Guard / Sanding Pad)
(without Air Hose / Water Hose)
(without Diamond Cup Wheels)

GPW-216
Wet Air Grinder

Spindle Thread	5/8"-11, M14
Guard Size	7" (178 mm)
Pad Size	5.5" (140 mm)
Max. Speed	7,000 rpm
Horse Power	0.93 HP (694 W)
Net Weight	3.20 kgs
Length	430 mm
Air Cons.	740 L/min (26.1 scfm)
Air Inlet	3/8"
Hose Size (I.D.)	11.0 mm
Sound Pressure	93 dBA
Vibration	3.2 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	6 pcs/ 1.5 cu.ft/ G.W.: 25 kgs

(with Guard / Sanding Pad)
(without Air Hose / Water Hose)
(without Diamond Cup Wheels)

GPW-7
Wet Air Sander / Polisher

Front Side Exhaust	ON/OFF Switch
Spindle Thread	5/8"-11, M14, M16
Pad Size	3" (75 mm) or 4" (100 mm)
Max. Speed	4,500 rpm
Horse Power	0.43 HP (321 W)
Net Weight	1.17 kgs
Length	246 mm
Air Cons.	460 L/min (16.2 scfm)
Hose Size (I.D.)	6.5 mm
Sound Pressure	84 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	10 pcs/ 1.4 cu.ft/ G.W.: 20 kgs

(without Air Hose / Water Hose)

GPW-218
Wet Air Sander / Polisher

Rear Exhaust	ON/OFF Switch
Spindle Thread	5/8"-11, M14
Pad Size	3" (75 mm) or 4" (100 mm)
Max. Speed	4,500 rpm
Horse Power	0.43 HP (321 W)
Net Weight	1.23 kgs
Length	234 mm
Air Cons.	450 L/min (15.9 scfm)
Hose Size (I.D.)	6.5 mm
Sound Pressure	84 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	8 pcs/ 1.4 cu.ft/ G.W.: 22 kgs

(with 150 cm Air Hose and Water Hose)

GPW-220
Wet Air Sander / Polisher

Rear Exhaust	ON/OFF Switch
Spindle Thread	5/8"-11, M14
Pad Size	3" (75 mm) or 4" (100 mm)
Max. Speed	3,600 rpm
Horse Power	0.43 HP (321 W)
Net Weight	1.27 kgs
Length	234 mm
Air Cons.	430 L/min (15.2 scfm)
Hose Size (I.D.)	6.5 mm
Sound Pressure	84 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	8 pcs/ 1.5 cu.ft/ G.W.: 23 kgs

(with 150 cm Air Hose and Water Hose)

GPW-7L
Wet Air Sander / Polisher

Front Side Exhaust	Safety Lever
Spindle Thread	5/8"-11, M14, M16
Pad Size	3" (75 mm) or 4" (100 mm)
Max. Speed	4,500 rpm
Horse Power	0.43 HP (321 W)
Net Weight	1.16 kgs
Length	242 mm
Air Cons.	460 L/min (16.2 scfm)
Hose Size (I.D.)	6.5 mm
Sound Pressure	84 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	10 pcs/ 1.4 cu.ft/ G.W.: 20 kgs

(without Air Hose / Water Hose)

GPW-218L
Wet Air Sander / Polisher

Rear Exhaust	Safety Lever
Spindle Thread	5/8"-11, M14
Pad Size	3" (75 mm) or 4" (100 mm)
Max. Speed	4,500 rpm
Horse Power	0.43 HP (321 W)
Net Weight	1.27 kgs
Length	250 mm
Air Cons.	430 L/min (15.2 scfm)
Hose Size (I.D.)	6.5 mm
Sound Pressure	84 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	8 pcs/ 1.5 cu.ft/ G.W.: 23kgs

(with 150 cm Air Hose and Water Hose)

GPW-220L
Wet Air Sander / Polisher

Rear Exhaust	Safety Lever
Spindle Thread	5/8"-11, M14
Pad Size	3" (75 mm) or 4" (100 mm)
Max. Speed	3,600 rpm
Horse Power	0.43 HP (321 W)
Net Weight	1.31 kgs
Length	250 mm
Air Cons.	430 L/min (15.2 scfm)
Hose Size (I.D.)	6.5 mm
Sound Pressure	84 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	8 pcs/ 1.5 cu.ft/ G.W.: 23 kgs

(with 150 cm Air Hose and Water Hose)

Wet Air Sander / Polisher

GPW-221
Wet Air Sander / Polisher

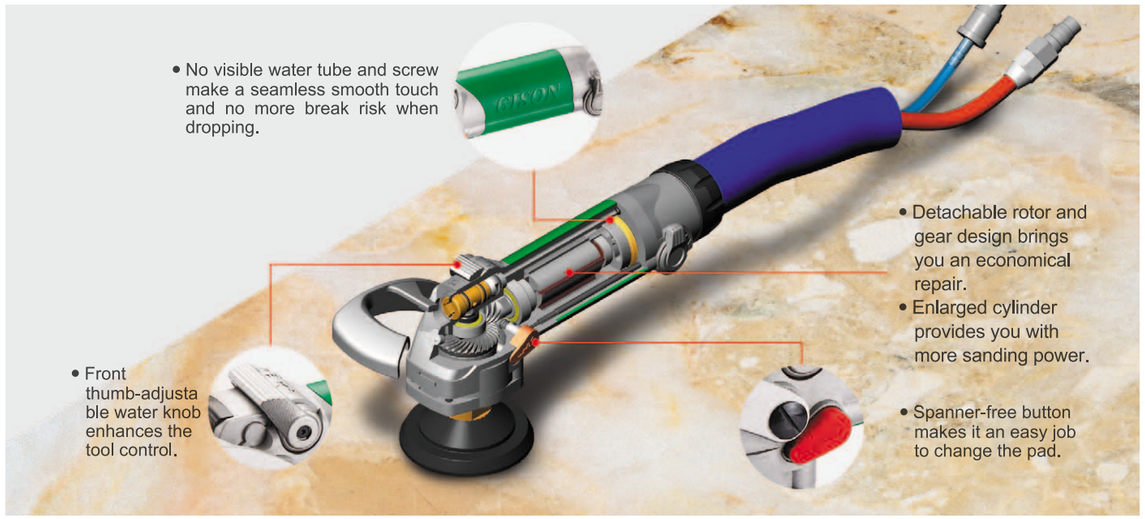
Rear Exhaust	ON/OFF Switch
Spindle Thread	5/8"-11, M14
Pad Size	3" (75 mm) or 4" (100 mm)
Max. Speed	3,600 rpm
Horse Power	0.52 HP (388 W)
Net Weight	1.52 kgs
Length	285 mm
Air Cons.	440 L/min (15.5 scfm)
Hose Size (I.D.)	6.5 mm
Sound Pressure	80 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	8 pcs/ 1.3 cu.ft/ G.W.: 21 kgs

(with 150 cm Air Hose and Water Hose)

GPW-221L
Wet Air Sander / Polisher

Rear Exhaust	Safety Lever
Spindle Thread	5/8"-11, M14
Pad Size	3" (75 mm) or 4" (100 mm)
Max. Speed	3,600 rpm
Horse Power	0.52 HP (388 W)
Net Weight	1.61 kgs
Length	295 mm
Air Cons.	440 L/min (15.5 scfm)
Hose Size (I.D.)	6.5 mm
Sound Pressure	80 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	8 pcs/ 1.3 cu.ft/ G.W.: 21 kgs

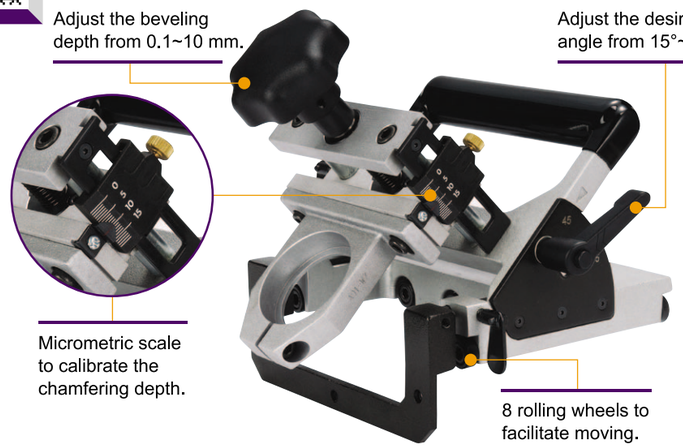
(with 150 cm Air Hose and Water Hose)



The benefits of Spanner-Free (Shaft Lock) system :

The Spanner-Free (Shaft Lock) system button makes it an easy job to change the backing pad.
Spanner-Free system can extend the life of gear. Because the user replace the wet diamond polishing pad quickly and velcro's problem, a diamond polishing pad is often attached off-center on the backing pad, ex. a little bit away from the spindle, and when such a pad is rotated fast and pressed against the stone surface, the drive shaft gets affected and damages a gear.
Spanner-Free system has Safety design, it can prevent user mistakenly pressing the lcok button when this wet air polisher start.

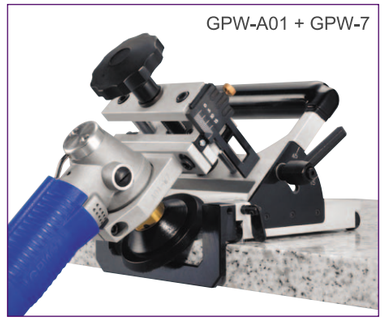
Simple Operation · Perfect Finishing · Time Saving



GPW-A01
Beveling Auxiliary Base

Beveling Angle	15°~45°
Beveling Depth	0.1~10 mm
Max. Pad Size	4" (100 mm)
Net Weight	2.02 kgs
Length	200 mm
Width	190 mm
Height	170 mm
Clamp Spec.	GPW-7/7L：Ø52.5 mm
	GPW-218 / 218L, 220 / 220L：Ø54.5 mm
Packing (1 Carton)	8 pcs/ 3.5 cu.ft/ G.W.: 17.7 kgs

(without Wet Air Sander / Polisher / Grinder)



GPW-A02B
90° Edge Polishing Auxiliary Base for Long / Big Slab

Beveling Angle	60°~90°
Polishing Thickness	5~50 mm for 4" pad
	5~35 mm for 3" pad
Max. Pad Size	4" (100 mm)
Weight	1.62 kgs
Packing (1 Carton)	8pcs/ 3.5 cu.ft/ G.W.: 17.5 kgs

(without Wet Air Sander / Polisher)

A01PDMP75G
Diamond Grinding Wheel (for Granite)

Diameter	75 mm
Weight	432 g
Height	45 mm
Grit Size	40# Sintered
Thread	5/8"-11

A01PDMP75M
Diamond Grinding Wheel (for Marble)

Diameter	75 mm
Weight	437 g
Height	45 mm
Grit Size	40# Electroplated
Thread	5/8"-11

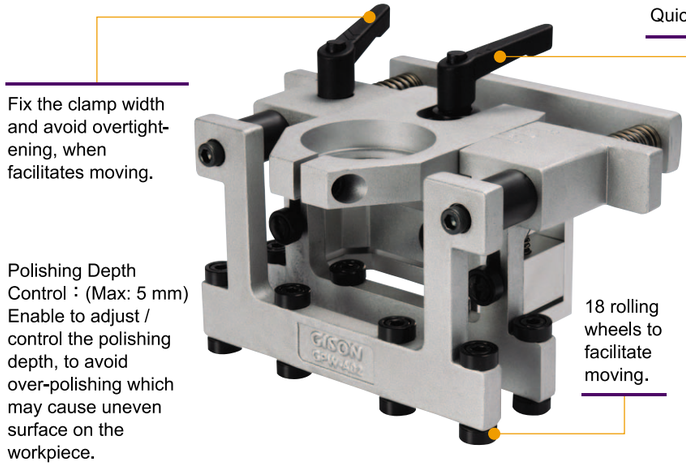
Fit Tools

Designed to fit various GISON's sanders / polishers / grinders, simply by changing the clamp.
Quick change the abrasive / polishing pad while working.


GPW-7


GPW-7L

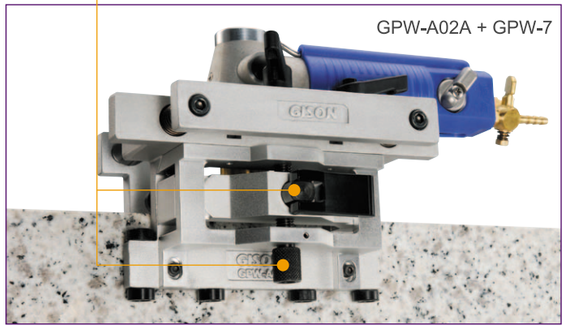
Simple Operation · Perfect Finishing · Time Saving



GPW-A02A
90° Edge Polishing Auxiliary Base

Polishing Thickness	20~40 mm
Max. Pad Size	3" (75 mm)
Net Weight	1.67 kgs
Length	190 mm
Width	138 mm
Height	134 mm
Packing (1 Carton)	8 pcs/ 1.5 cu.ft/ G.W.: 15.5 kgs

(without Wet Air Sander / Polisher)



GPW-A02
90° Edge Polishing Auxiliary Base Economical Choice (Non-Polishing Depth Control)

Polishing Thickness	5~40 mm
Max. Pad Size	3" (75 mm)
Weight	1.29 kgs
Packing (1 Carton)	8 pcs/ 1.5 cu.ft/ G.W.: 11.5 kgs

(without Wet Air Sander / Polisher)


GPW-218


GPW-218L


GPW-220


GPW-220L

GP-822AR2
Mini. Air Angle Polisher

Pad Size	2" (50mm)
Free Speed	3,500 rpm
Net Weight	0.70 kgs
Length	178 mm
Air Cons.	480 L/min (16.9 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	6.5 mm
Sound Pressure	70 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	20 pcs/ 1.6 cu.ft/ G.W.: 20 kgs

GP-823ST5
Mini. Air Angle Polisher

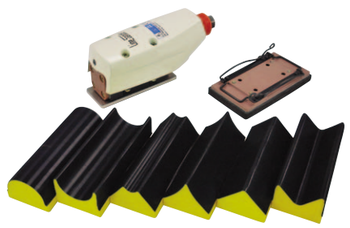
Pad Size	5" (50mm)
Free Speed	4,000 rpm
Net Weight	1.0 kgs
Length	203 mm
Air Cons.	650 L/min (16.9 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	6.5 mm
Sound Pressure	84 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	10 pcs/ 0.96 cu.ft/ G.W.: 12.8 kgs

GP-902W
Wet Air Belt Sander

Belt Size	10 mm × 330 mm
Free Speed	16,000 rpm
Net Weight	0.93 kgs
Length	330 mm
Air Cons.	560 L/min (19.8 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	6.5 mm
Sound Pressure	88 dBA
Vibration	4.0 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	20 pcs/ 1.6 cu.ft/ G.W.: 17 kgs

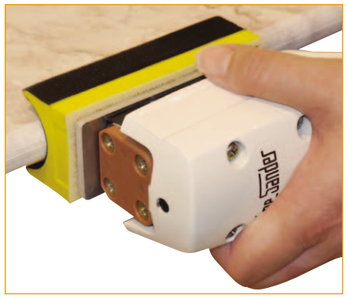
GP-845C
Straight Line Air Sander

Pad Size	57 mm × 100 mm
Free Speed	4000 bpm
Net Weight	0.7 kgs
Length	155 mm
Air Cons.	110 L/min (3.9 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	6.5 mm
Sound Pressure	81 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	12 pcs/ 1.58 cu.ft/ G.W.: 18 kgs



GP-845CK
Straight Line Air Sander Kit

Contents	GP-845C x 1 pc
	Medium Hook Face Plate x 1 pc
	Differen Shaps Sanding Pads x 6 pcs
	Nap face Sandpaper #320 x 1 pc
Packing (1 Carton)	10 sets/ 3.1 cu.ft/ G.W.: 15.6 kgs



GP-8246C
Micro Air Grinder

Collet Size	3 mm (1/8")
Max Speed	60,000 rpm
Net Weight	0.35 kgs
Length	135 mm
Air Cons.	230 L/min (8.1 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	5 mm
Sound Pressure	85 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	25 pcs/ 0.96 cu.ft/ G.W.: 16 kgs

GP-8240D
Micro Air Grinder

Collet Size	3 mm (1/8") & 6 mm (1/4")
Max Speed	35,000 rpm
Net Weight	0.50 kgs
Length	175 mm
Air Cons.	340 L/min (12 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	5 mm
Sound Pressure	82 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	20 pcs/ 0.9 cu.ft/ G.W.: 11 kgs

GP-824JH
Micro Air Grinder

Collet Size	6 mm (1/4")
Max Speed	20,000 rpm
Net Weight	0.70 kgs
Length	165 mm
Air Cons.	490 L/min (17.3 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	5 mm
Sound Pressure	85 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	20 pcs/ 1.1 cu.ft/ G.W.: 19 kgs

GP-824L1
Extended Air Die Grinder

Collet Size	6 mm (1/4")
Max Speed	18,000 rpm
Net Weight	1.10 kgs
Length	320 mm
Air Cons.	450 L/min (15.9 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	5 mm
Sound Pressure	89 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	20 pcs/ 1.7 cu.ft/ G.W.: 28 kgs

GP-824EF
Extended Air Die Grinder

Collet Size	6 mm or 8 mm
Max Speed	13,500 rpm
Net Weight	1.74 kgs
Length	378 mm
Air Cons.	590 L/min (20.8 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	6.5 mm
Sound Pressure	86 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	10 pcs/ 0.9 cu.ft/ G.W.: 20.5 kgs

GP-832L
Air Angle Grinder

Collet Size	100 mm (4")
Max Speed	12,000 rpm
Net Weight	1.69 kgs
Length	226 mm
Air Cons.	450 L/min (15.9 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	8 mm
Sound Pressure	80 dBA
Vibration	< 2.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	10 pcs/ 1.75 cu.ft/ G.W.: 24 kgs

GP-851P
Air Needle Scaler

Needle	3mm × 28pcs
Stroke Speed	3,500 bpm
Net Weight	3.5 kgs
Length	360 mm
Air Cons.	420 L/min (14.8 scfm)
Air Inlet	3/8"
Hose Size (I.D.)	8 mm
Sound Pressure	93 dBA
Vibration	14.6 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	6 pcs/ 1.5 cu.ft/ G.W.: 24 kgs

GP-851IN
Air Needle Scaler

Needle	3mm × 12pcs
Stroke Speed	4,800 bpm
Net Weight	1.3 kgs
Length	290 mm
Air Cons.	210 L/min (7.4 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	8 mm
Sound Pressure	91 dBA
Vibration	14.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	10 pcs/ 0.5 cu.ft/ G.W.: 14 kgs

GP-923
AIR SCALING HAMMER / SCABBLER

Piston Stroke	15 mm
Stroke Speed	7,200 bpm
Net Weight	1.90 kgs
Length	480 mm
Air Cons.	300 L/min (10.6 scfm)
Air Intet	1/4"
Hose Size	8 mm
Sound Pressure	90 dBA
Vibration	35.1 m/sec^2
Packing (1 Carton)	6 pcs/ 1 cu.ft/ G.W.: 15 kgs

GP-970
Air Spot Sand Blaster for Stone

Net Weight	0.99 kgs
Length	215 mm
Air Cons.	0.35 m^3/min
Air Inlet	1/4"
Hose Size (I.D.)	6.5 mm
Sound Pressure	95 dBA
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	10 pcs/ 2.4 cu.ft/ G.W.: 12 kgs

GP-940
Air Engraving-Scribe Pen

Body Material	Steel
Stroke Speed	34,000 bpm
Sleeve Type (Option)	Thin point : 0.1 mm
	Medium point : 0.2 mm (Default)
	Large point : 0.3 mm
Net Weight	0.24 kgs
Length	160 mm
Air Cons.	70 L/min (2.4 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	6.5 mm
Sound Pressure	75 dBA
Vibration	2.9 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	20 pcs/ 1.74 cu.ft/ G.W.: 7.0 kgs

GP-940C
Air Engraving-Scribe Pen

Body Material	Plastic
Stroke Speed	34,000 bpm
Sleeve Type	0.5 mm
Net Weight	0.18 kgs
Length	140 mm
Air Cons.	60 L/min (2.1 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	6.5 mm
Sound Pressure	78 dBA
Vibration	2.7 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	30 pcs/ 1.6 cu.ft/ G.W.: 10 kgs

GP-851IF
Air Flux Chipper

Stroke Speed	4,800 bpm
Net Weight	1.04 kgs
Length	230 mm
Air Cons.	210 L/min (7.4 scfm)
Air Inlet	1/4"
Hose Size (I.D.)	8 mm
Sound Pressure	90 dBA
Vibration	14.5 m/sec^2
Air Pressure	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	10 pcs/ 0.5 cu.ft/ G.W.: 12 kgs

GPW-4500
GPW-7000
Mini. Air Hammer

- ►For Fine Masoney Work
- ►Built-in Air Regulator
  (control by pressing the trigger or knob below the handle)
- ►With a Tungsten Steel Chisel

Model	GPW-4500	GPW-7000
Stroke Speed	4,500 bpm	7,000 bpm
Piston Stroke	36 mm	36 mm
Shank Size	Ø10.2 mm	Ø10.2 mm
Net Weight	0.73 kgs	0.75 kgs
Length	155 mm	155 mm
Air Cons.	120 L/min (4.2 scfm)	120 L/min (4.2 scfm)
Air Inlet	1/4"	1/4"
Hose Size (I.D.)	6.5 mm	6.5 mm
Sound Pressure	88 dBA	88 dBA
Air Pressure	6.3 kg/cm^2 (90 psi)	6.3 kg/cm^2 (90 psi)
Packing (1 Carton)	20 pcs/ 1.2 cu.ft/ G.W.: 19 kgs	20 pcs/ 1.2 cu.ft/ G.W.: 19 kgs

Flat Tungsten Steel Chisel (For GPW-4500 / 7000)

GPW-FR17
Round Shank
Length : 220 mm

GPW-FR17S
Round Shank
Length : 162 mm

GAS-617F
Suction Lifter

Lift Capacity	60 kgs
Diameter	123 mm
Net Weight	0.94 kgs
Packing (1 Carton)	20 pcs/ 3.1 cu.ft/ G.W.: 22.4 kgs

GAS-619
Suction Lifter

Lift Capacity	80 kgs
Diameter	123 mm
Net Weight	1.34 kgs
Packing (1 Carton)	10 pcs/ 3.1 cu.ft/ G.W.: 16.7 kgs

GAS-620
Suction Lifter

Lift Capacity	100 kgs
Diameter	123 mm
Net Weight	1.70 kgs
Packing (1 Carton)	10 pcs/ 2.93 cu.ft/ G.W.: 21.5 kgs

GAS-617C
Seam Setter

Diameter	117 mm (4.6")
Net Weight	2.00 kgs
Material	Aluminum
Packing (1 Carton)	5 pcs/ 2.4 cu.ft/ G.W.: 14.2 kgs

GAS-617E
Seam Setter (Supporting Backsplash)

Diameter	117 mm (4.6")
Net Weight	1.56 kgs
Material	Aluminum
Packing (1 Carton)	10 pcs/ 2.34 cu.ft/ G.W.: 16.6 kgs

GAS-617H
Seam Setter (for Large Material)

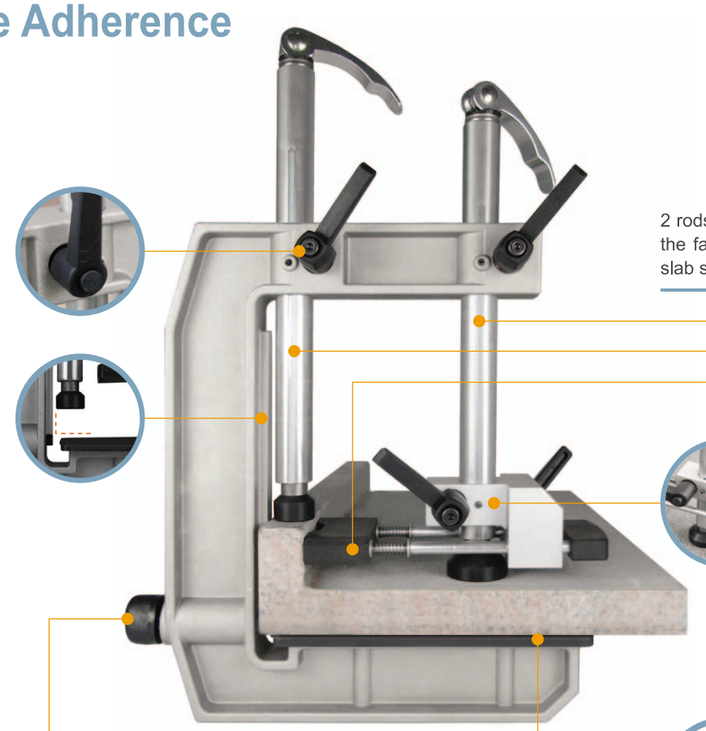
Diameter	200 mm (8")
Net Weight	5.50 kgs
Material	Aluminum
Packing (1 Carton)	2 pcs/ 2.7 cu.ft/ G.W.: 21.5 kgs

GAS-617T
Seam Setter

Diameter	117 mm (4.6")
Net Weight	1.00 kgs
Material	Aluminum
Packing (1 Carton)	10 pcs/ 2.3 cu.ft/ G.W.: 10.4 kgs

GPW-A03 45° Mitre Clamp

Simple Operation, Time Saving, Working Efficiency, Accurate Adherence



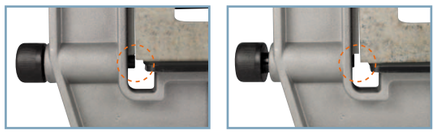
The rods and arm features quick lock and release.

Built-in 90° angle ensures the accurate alignment.

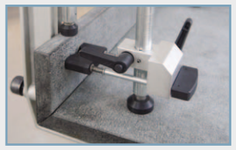
2 rods and 1 arm facilitate the fascia adhering to the slab steadily.

Depending on the height of fascia, adjust the arm up and down to appropriate position.

Rubber plate protects slab from scratches.



Once position fixed, unscrew the assited positioning knob to prevent te overflowing glue from adhering slabs to clamp.



Simple Operation, Time Saving, Working Efficiency, Accurate Adherence
Stone's mitre can be glued easily without professionals.

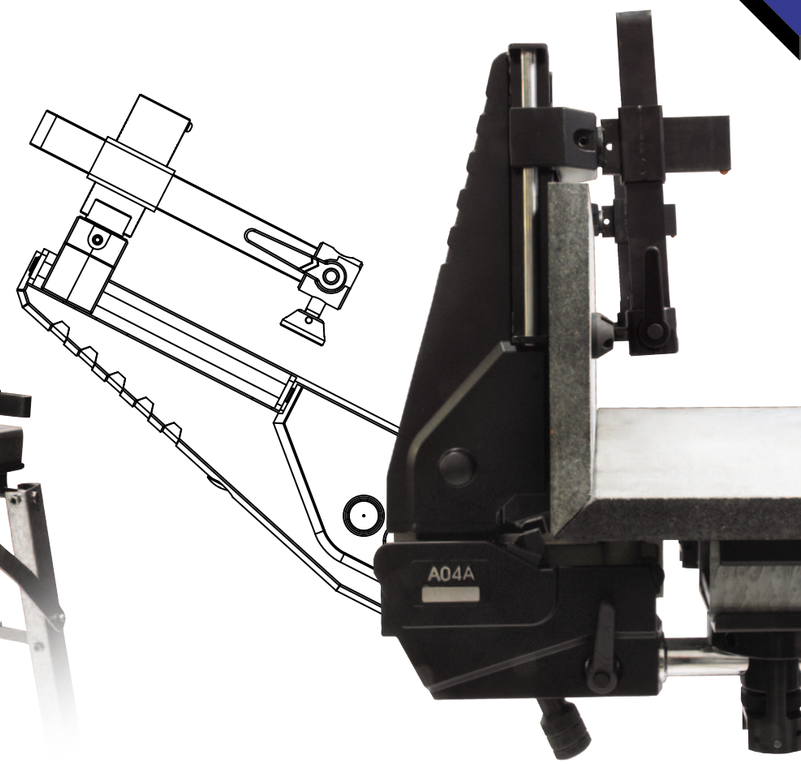
Specifications

Max. Available Fascias Height	140 mm
Net Weight	1.85 kgs
Packing (1 Carton)	6 pcs/ 2.3 cu.ft/ G.W.: 16 kgs

GISON

GPW-A04A

45° Mitre Clamp



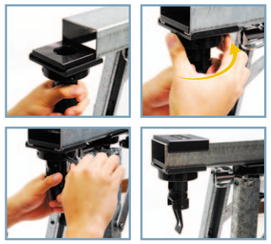
Features

- Fast clamp.
- Create accurate 90˚ seams.
- Open space design, place fascia and spread the glue easily.
- Quick lock and release mechanism.
- Plastic caps protect slab surface from scratches.
- Aluminium & Steel construction.
- Fascias capacity :
  Max. Height : 200 mm
  Thickness : 12~40 mm
- Net Weight : 3.65 kgs
  Packing (1 Carton) : 4 pcs/ 2 cu.ft/ G.W.:22 kgs

※ It is recommended to use 1 mitre clamp per 50 cm wide.
※ without C-Channel Steel. Please prepare for yourself.

1

Prepare the C-Channel Steel.
Insert the GPW-A05 into the C-Channel Steel in position and fasten it.
Place Plastic Caps on the C-Channel Steel in position for protecting the slab.

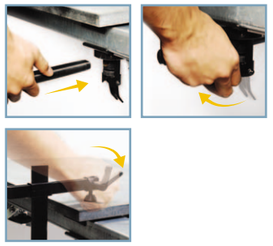


2

Place the slab on the C-Channel Steel.

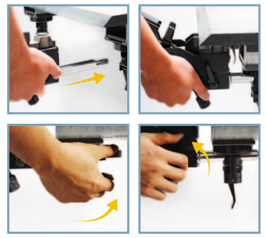
3

Use the GPW-A06 to fix the slab.



4

Insert GPW-A04A into GPW-A05 and lock it.

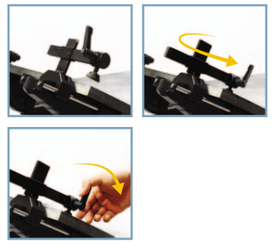


5

Place the fascia and ensure the two slabs are aligned.

6

Fix the fascia.

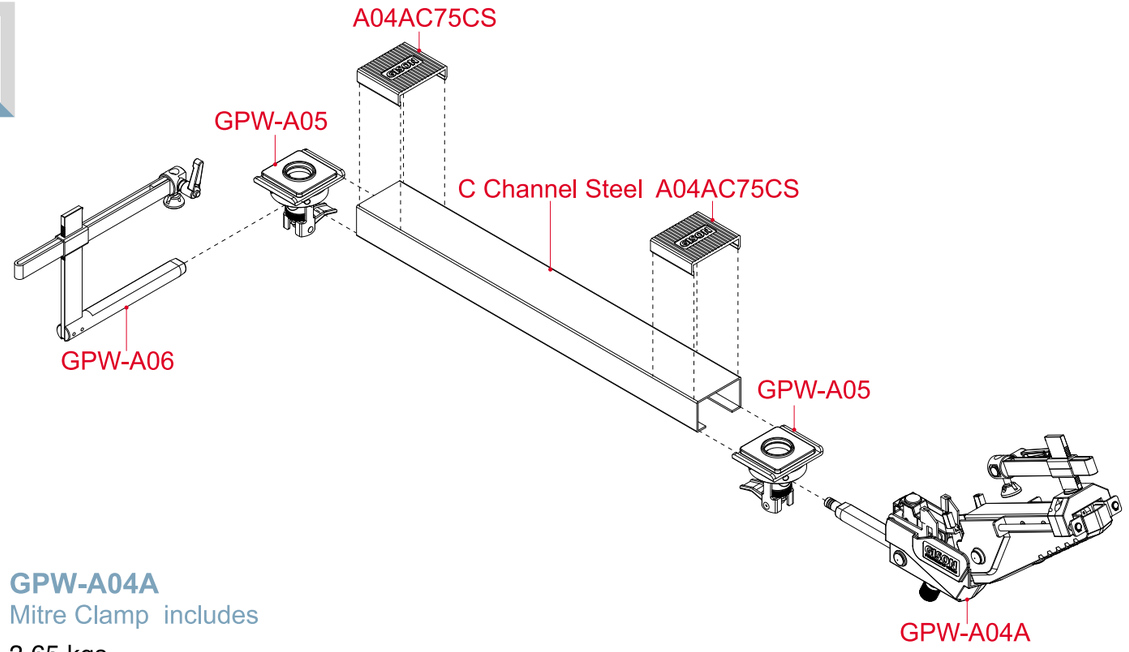


7

Spread the glue on the mitre of two slabs.

8

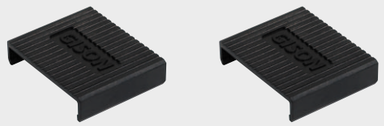
Push upright GPW-A04A, then lock it.



GPW-A04A
Mitre Clamp includes

3.65 kgs

A04AC75CS x 2 pcs



GPW-A05 x 1 pc

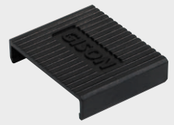
GPW-A06
C Clamp

1.09 kgs

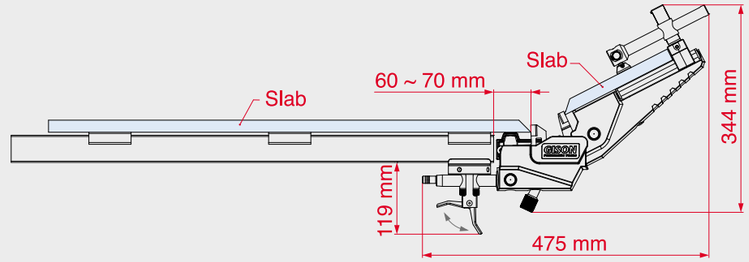
GPW-A05
Fixed Base

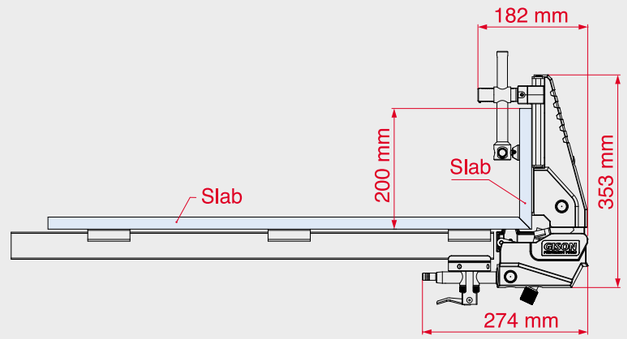
1.04 kgs

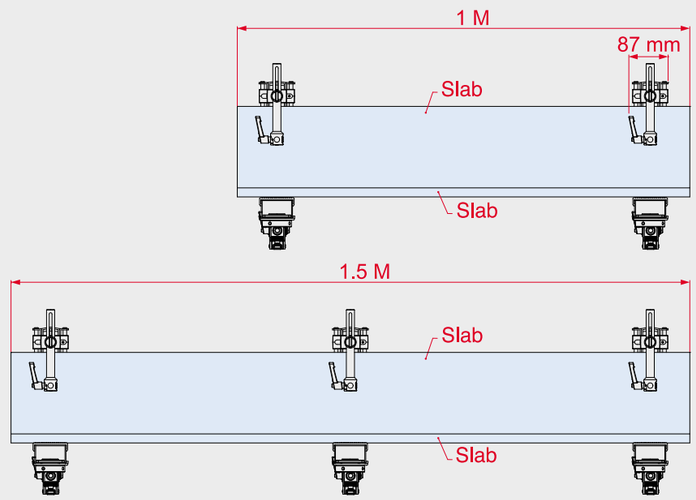
A04AC75CS
Plastic Cap



GPW-A04A Specifications



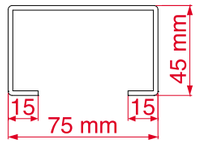




C-Channel Steel Specifications

Size：45 mm x 75 mm (As shown on the right.)
Thickness：2.3 mm

Note : C-Channel Steel is the international standard specifications. Please consider the actual length and buy it in the "Building Materials Store".



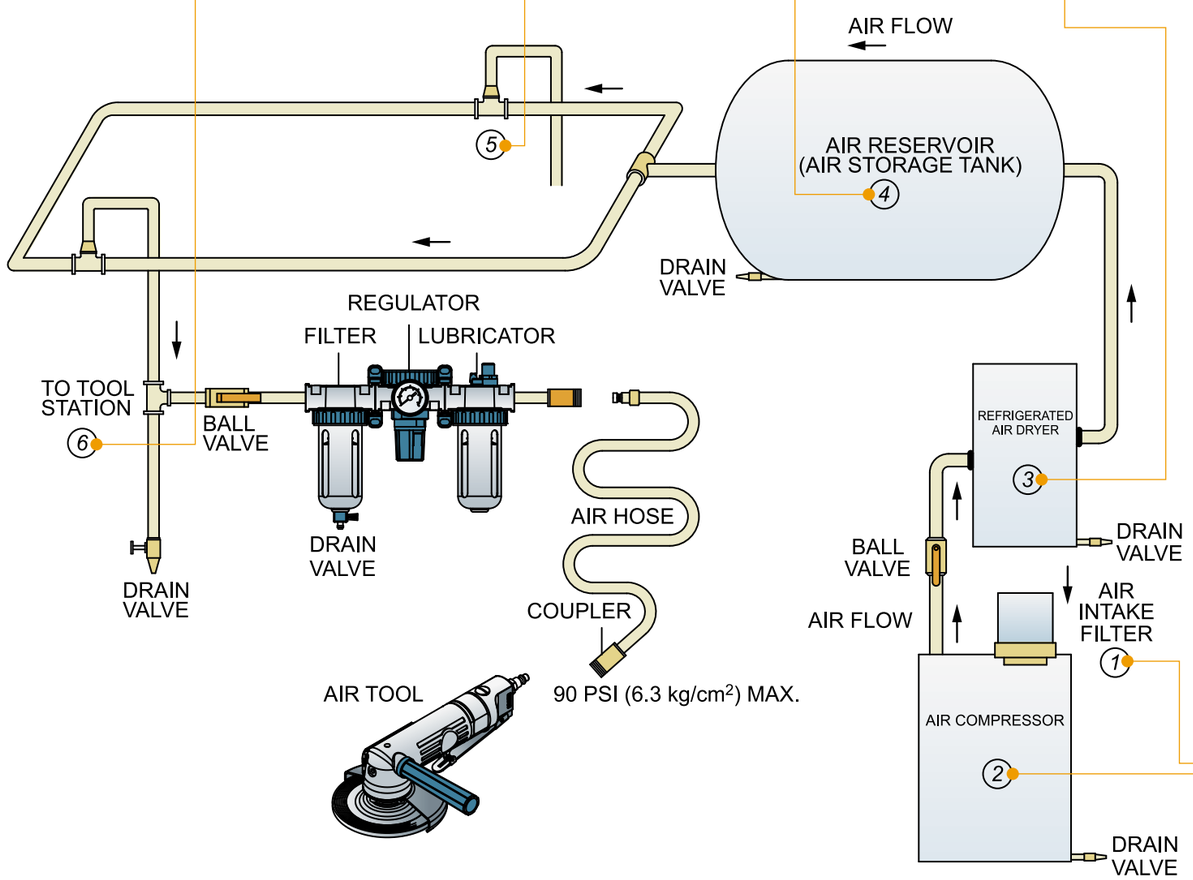
COMPRESSED AIR SYSTEM COMPONENTS AND NETWORK

6.POINT-OF USE APPLICATION :
Filter-Regulator-Lubricator (FRL) :
FRL are needed to ensure that a tool is receiving a clean, lubricated supply of air at the proper pressure. The filer removes water, pipe deposits, rust and condensation from entering the air motor. The regulator controls air pressure to the tool. The lubricator provides a nearly constant oil / air ratio of air flows.
The oil drip rate : one drop per minute for each 20 SCFM (566 LPM).

5.DISTRIBUTION
The link between supply, storage and demand. To supply adequate amount of compressed air at the required pressure to all work station.

4.Air Reservoir
Air reservoir is provided as storage to reduce fluctuations and maintain a smooth flow in the compressed air system.
RESERVOIR TANK SIZE
The more reservoir the better the system.

3.REFRIGERATED DRYER
Compression leaves the air hot and wet. It reduces the temperature of the air and removes the excessive water.



FACTORS RELATE TO ADEQUATE AIR FLOW

- A hose of excessive length and / or insufficient diameter can restrict the air flow.
- If you are using an air tool on a hose over 25 ft. long, it is advisable to increase the bore of the hose to the next larger size available ie. 1/4" increases to 3/8". This will ensure adequate pressure and volume of air to power the machine.
- Usage of air inline filter / regulator.
- Total number of air connections / fitting bein used.
- Prevent any blockage of air flow. Maintain adequate air flow.
- Remove or reduce condensation from the air supply.
- Note to drain water from the Drain Valve regularly.
- Regular check for leaks in all piping, joints, drains, relief valves, flexible hoses.

2. COMPRESSOR
The filtered air is compressed (typically 80 psig [5.6 kg/cm^2] - 110 psig [7.7 kg/cm^2]) using different types of compressor such as reciprocating, vane, screw or, centrifugal.

COMPRESSOR SELECTION CRITERIA
A)COMPRESSOR TYPE –Recommendation :
0 to 80 PSIG (5.6 kg/cm^2) : single stage compressor.
80 to 250 PSIG (17.5 kg/cm^2) / continuous usage of tools : two-stage compressor.
B)TOTAL AIR CONSUMPTION – Determine the total demand SCFM (LPM).
Factors to consider : demands of all equipment, tools, and other air consumption variables.
C)COMPRESSOR CAPACITY – HORSEPOWER (HP)
Determined total demand SCFM (LPM) : D
Add approximately 20% for system variables : $D_1 = D \times 1.2$
If <= 100 SCFM (2,832 LPM) : $hp = D_1 \div 4$
If >100 SCFM (2,832 LPM) : $hp = D_1 \div 5$

1. INTAKE AIR FILTERS
Prevent dust and other contaminats from entering compressor.

AIR SYSTEM PREVENTATIVE MAINTENANCE

1. Water in the compressor tank will cause serious corrosion to your air tools and should be drained daily to avoid excessive water in your air supply. Dirty wet air will rapidly shorten the life of your air tools.
2. Supply tool with 90 psi (6.3 kg/cm^2) of clean, dry air. Higher pressure drastically reduces tool life.
3. Do not install a quick coupler directly into the tool throttle handle.
4. Prevent contaminates from entering the air motor.
5. Every day before use, remove the tool from air line and pour 2 c.c. SAE#10 oil into the machine and operate at low speed to ensure lubrication of all moving parts.
6. Lubrication : Use an air line lubricator with SAE#10 oil, adjusted to 2 ~ 3 drops per minute. If an air line lubricator can not be used, add air motor oil to the air inlet before and after use. Gears, bearing, sleeves, and sliders need to be lubricated as well.
7. Disassemble and inspect air motor and governor assembly every three months if the tool is used every day. Replace damaged or worn parts.
8. Use original factory supplied tools, spare parts and accessories.
9. Do not alter or modify the unit from the original design or function.
10. Please add moly grease about 10 c.c. to gear / impact assembly after using 60 hours.

SAFETY INSTRUCTION

PNEUMATIC TOOLS SAFETY INSTRUCTIONS:
The goal of **GISON Machinery Co., Ltd.** is to produce tools that help you work safely and efficiently. The most important safety device for this or any tools is **YOU**, Your care and good judgment are the best protection against injury, All possible hazards cannot be covered here, but we have tried to highlight some of the important ones.

Air Supply and Connection Hazards:
- Air under pressure can cause severe injury.
- Disconnect tool from air supplier before assembling or replacing.
- Be sure that switch is at "**OFF**" position before connect with air supply system.
- Always shut off air supply, drain hose of air pressure and disconnect tool from air supply when not in use, before changing accessories or when making repairs.
- Never direct air at yourself or anyone else.
- Whipping hoses can cause serious injury, always check for damaged or loose hoses and fittings.
- Do not use quick disconnect couplings at tool. See instruction for correct set-up.
- Whenever universal twist couplings are used, lock pins must be installed.
- Do not exceed maximum air pressure of 90 psi / 6.2 bar or as stated on tool nameplate.

Projectile Hazards:
- Always wear impact resistant eye and face protection when involved with or near the operation, repair or maintenance of the tools or changing accessories on the tool.
- Be sure all others in the area are wearing impact-resistant eye and face protection.
- Even small projectiles can injure eyes and cause blindness.
- Accessory bursts may be to cause serious injury.

Entanglement Hazards:
- Keep away from rotating spindle and accessory.
- Do not wear jewelry or loose clothing.
- Scalping can occur if hair is not kept away from tool and accessories.
- Choking can occur if neckwear is not kept away from tool and accessories.

Operating Hazards:
- Avoid direct contact with rotating spindle and accessory to prevent cutting of hands or other body parts. Wear gloves to help protect hands.
- Do not disable the safety lock off feature on the throttle lever.
- This tool and its accessories must not be modified.
- The liability of manufactory lapses if the user uses spare parts that are not idential with the original.
- Operators and maintenance personnel must be physically able to handle the power of the tool and capable of performing the job task.

Workplace Hazards:
- Slip / Trip / Fall is a major cause of serious injury or death. Be aware of excess hose left on the walking or work surface.
- High sound levels can cause permanent hearing loss. Use hearing protection as recommended by your employer.
- Regarding the dangers to vibration. User have to obey the Labor Safe operational instruction that depend on defferent country rule to setting.
- Maintain a balanced body position and secure footing.
- Repetitive work motions, awkward positions and exposure to vibration can be harmful to hands and arms, if numbness, tingling pain or whitening of the skin occurs, stop using tool and consult a physician.
- Avoid inhaling dust or handling debris from work process that can be harmful your health.
- Operators and maintenance personnel must be physically able to handle the bulk weight and power of this tool.
- This tool is not intended for use in explosive atmospheres and is not insulated for contact with electric power sources.

CONVERSION TABLE

Length	1 inch = 0.0254 m = 2.54 cm 1 ft = 12 inch = 30.48 cm	1 m = 39.3701 inch = 3.28084 ft
Weight	1 lb = 0.453592 kg	1 kg = 2.20462 lb
Torque	1 kg-m = 9.80665 Nm = 1 J = 0.13826 ft-lb 1 ft-lb = 1.35582 Nm = 7.233 kg-m 1 in-lb = 0.112985 ft-lb	1 Nm = 0.101972 kg-m = 10.1972 kg-cm = 0.737562 ft-lb
Pressure	1 bar = 100 kPa = 1.0197 kg/cm^2 1 kg/cm^2 = 98.0665 kPa 1 psi = 6.89476 kPa 90 psi = 6.3 kg/cm^2 = 6.2 bar	1 kPa = 0.01 bar = 0.0101972 kg/cm^2 1 kg/cm^2 = 14.232 psi (lb/inch^2) = 0.98068 bar
Power	1 kpm/s = 9.80665 W 1 kcal/s = 4.1868 kW 1 kcal/h = 1.163 W 1 hk = 735.499 W 1 hp = 745.7 W = 0.7457 kW	1 kW = 101.972 kpm/s = 0.238846 kcal/s = 859.845 kcal/h = 1.35962 hk = 1.34102 hp
Flow	1 m^3/min = 16.6667 l/s = 35.3147 scfm = 1,000 l/min (LPM) = 4.97 cfm 1 scfm = 0.471947 l/s = 0.02832 m^3/min = 28.32 l/min	1 l/s = 0.06 m^3/min = 2.1189 scfm
Air Pressure : 90 psi (6.3 kg/cm^2)	= 0.14 cfm 1 cfm = 7.1 scfm	