Note that this system must not be modified to a pressure container.

and easily with the attached special operating handle.

Ejector type VPU-E

Dry pump type VPU-D

recommended only for dry machining operations.

A vacuum system dedicated to the vacuum chucks. The shuck side is evacuated continuously

in order to effectively maintain atmospheric pressure on the workpiece on the chuck work face.

A vacuum evacuation system, filter, vacuum tank and vacuum gage are incorporated neatly.

A difference in pressure over 80 kPa (600 mmHg) can be obtained continuously.

Suction and evacuation operations to mount and demount workpieces can be done quickly

A vacuum system to reduce pressure by jetting air at high pressure (principle of the spray gun).

This is recommended where an air line by use of a compressor is installed. This type can be used for both wet and dry machining operations. However, the use of a lubricator in the air line

A vacuum system to reduce pressure by evacuation by a pump driven by a motor. A power

source only is required to obtain an independent vacuum source. Note, however, this is

If the physical contact with the bottom face of workpieces is poor, a large amount of air leaks, requiring a large evacuation amount. In such a case, a blower type is required for dry operations and a water-sealed vacuum pump is required for wet operations depending on work

Model VPU VACUUM SYSTEM



Examples of application of vacuum chucks and vacuum systems

Chuck Pump	1018	1325	1515	1530	1545	2035	2050	3060
VPU-E10	0	0	0	0	-	-	-	_
VPU-E20		0	0	0	0	0		
VPU-D20		0	0	0		0		

Piping of vacuum system



[Application]

[Features]

must be avoided

Other types

conditions. Please contact us.

Eiector type VPI J-F

		i type vi	0-L								[mm (in)]								
	Model	Madel Evacuation Co		Suction	Compressed Air			Dimen	sions	Tank Capacity	Mass								
	Model	Volume Difference	Difference	Port	Pressure	Consumption	Supply port	Out. dia.	Height		IVId55								
	VPU-E10	110N & /min	80 kPa (600 mmHG)	3/8	500-600kPa	180N & /min	1/4	φ280(11.0)	425(16.7)	15 <i>l</i>	25kg/55 lb								
	VPU-E20	220N ℓ /min	or over.	3/8	3/0	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8 (5-6kgf/cm ²)	360N ℓ /min	3/8	φ 330 (12.9)	600 (23.6)	30 l	45kg/99 lb

*The capacity of a compressor to use must be 2.5 kW or over for VPU-E10 and 4.5 kW or over for VPU-E20. *(1) Operating valve and (2) \$\phi12\$ hose 10 m and coupler for vacuum included.

Dry pump	type VPU-D	(for dry	operation	าร)	
				1	

	Model	Evacuation Volume	Continuous Pressure Difference	Suction Port	Power Source		Dimensions	Tank Capacity	Mass	
	Woder					Width	Length	Height		IVId55
	VPU-D20	220/260N & /min (50/60Hz)	80 kPa (600 mmHG) or over	3/8	3-phase 200 VAC, 0.4 kW	320(12.6)	700 (27.5)	710(27.9)	35 l	68kg/149 lb
	*(1) Operating value (2) \$12 hose 10 m and coupler for vacuum included (3) power cable 5 m are included as accessories									

Model VPU-EG VACUUM SYSTEM



Light weight and compact. Satisfactory functions!



[Application] A vacuum system dedicated to the grid seal type vacuum chucks. [Features]



- The vacuum tank has been eliminated to make a very compact size compared with the conventional model (VPU-E10) This system can be handled easily.
 - A function to check the vacuum status is incorporated.
 - This is for dry operation.
 - Auxiliary functions in consideration of operating status and safety are incorporated. (Vacuum adjustment, interlock with the machine via vacuum check output signals, etc.) [mm(in)]

_											[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[
Model	Evacuation	Continuous Pressure	Suction Port		Dimensions			Mass			
	WOUEI	Volume	Difference	Suction Port	Pressure	Consumption	Supply port	Out.dia.	Length	Height	IVIASS
	VPU-EG	27N ℓ /min	80 kPa (600 mmHG) or over.	\$\$ tube joint (Hose and vacuum coupler included)	500-600kPa (5-6kgf/cm ²)	44N ℓ /min	Vacuum coupler 20PM (Nitto Kohki)	200(7.87)	250 (9.84)	190(7.48)	6kg/13.2 lb

Model VPU-OV **OPERATION BLOCK WITH VACUUM GAGE**





[Application]

An option to facilitate the use of vacuum chucks. [Features]

- •The operating valve and the vacuum gage have been integrated to enable it to check the state of workpiece holding near the chuck.
- By changing the location of the blank cap, a position to mount the vacuum gage can be selected from three places.

ELECTROMAGNETIC CHUCKS CHUCK CONTROLLERS PERMANENT MAGNETIC CHUCKS

PERMANENT ELECTROMAGNETIC CHUCKS

BLOCKS FOR MC

Vacuum chuck

VACUUM CHUCKS

PROMELTA* SYSTEM

[mm(in)]

SINE BAR CHUCKS BLOCKS, HOLDERS, MINI CHUCKS

MAGNETIC HOLDERS