

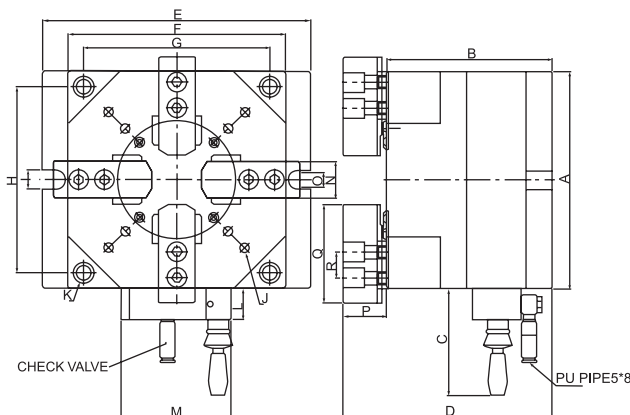


# Pneumatic Square Chucks

Pneumatic Chucks Series



NEW



- Dusts-proof and Waterproof**  
Dust-proof and Waterproof structure prevents work-chips and coolant water from entering into inside of chuck cylinder to maintain its accuracy and lead to longer service life.
- Automatic operation**  
There are manual and auto type for selections. Auto type can be controlled by M-code for auto loading system.
- Rust-proof for Pneumatic Cylinder**  
Inside wall of cylinder being rustproof treated; cylinder can work under wet or high moisture circumstances without rusty or seized trouble.
- 4-jaw Clamping and Self-centering**  
4-jaw clamping are steadier for machining. Two pairs of jaws are moved independently to assure complete lock and self-centering.
- Square Design**  
The opposite sides are parallel to each other, only by align the center point, mold-change can be carried out precisely in a short time.
- Clamping Special Shaped Work Pieces**  
Without designing and making special clamping fixtures, special shaped work pieces can be clamp precisely only by forming soft jaws to meet the purpose.
- Easy for Clamping work pieces of Different Lengths on Opposite Sides**  
All kinds of work pieces that are not equilateral produced by casting, forging, and sawing can be clamped firmly.
- Alignment of Chucks is Simple**  
By simply aligning the sides, several chucks can be lined up for simultaneous machining purpose.
- Flange Design**  
Flang is convenient for locking chuck on the T-slot of worktable,
- Hard Jaws and soft Jaws are Interchangeable with Those of CNC Lathes**  
Hard jaws and soft jaws are same as those of CNC Lathes, therefore; they are interchangeable to reduce cost of spare jaws.

Pneumatic square chuck is great for machining center. Two pairs of jaws clamp one after another to assure a workpiece to be locked completely.

## SPECIFICATIONS

ORDER NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
VMS-06	175	135	100	174	225	175	145	145	18	M10	4-M10	26	88	31	12	39	73	20
VMS-08	210	160	107	202	260	210	180	180	18	M10	4-M12	30	106	35	14	42	95	25
VMS-10	250	185	107	231	310	250	215	215	18	M10	4-M16	30	106	40	16	46	110	30

UNIT:mm

ORDER NO.	Piston Area(cm <sup>2</sup> )				Plunger stroke (mm)	Jaw stroke (Diameter)mm	Gripping Force(kgf) (air press 6kg/cm <sup>2</sup> )	Gross Weight (kg)	Gripping Range (mm)	CODE NO.
	A		B							
	Push Side	Pull side	Push Side	Pull side						
VMS-06	127	108	122	117	12	5.5	4000	25	Ø15~Ø175	5005-051
VMS-08	184	157	176	169	16	7.4	5500	42.4	Ø20~Ø210	5005-052
VMS-10	270	239	254	241	19	8.8	8400	67.1	Ø33~Ø250	5005-053

## OPTIONAL ACCESSORIES



Pneumatic Solenoid Valve



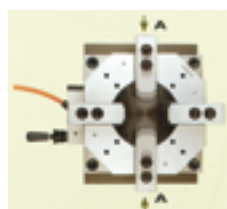
Hard Jaws



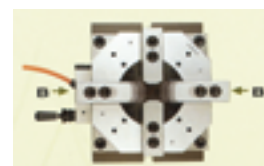
Air Filter

## OPERATION EXAMPLE

- Speed
- Accuracy
- Automatic



Piston "A" Clamping



Piston "B" Clamping

4-jaws clamping and self-center