

UNI-CROWN

unicrown-tw.com/en

PRODUCT OVERVIEW

Oilless Vacuum Pump
Air Compressor Manufacturer



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ABOUT US

Uni-Crown is a leading provider of vacuum pumps, systems, and air compressors for various applications, including automatic machinery and medical devices. Our pumps are well-known for reliability and efficiency, and many of our products comply with CE directives and are RoHS-approved for export worldwide.



365 Days
Quality Assurance



Increasing every year
Product Items



100%
Customer Satisfaction

Company Philosophy

“ More than 37 Years of history ”

We can provide the best products to meet your application.

Vision

The Leader of air pump manufacturer in Taiwan.

Mission

Providing high-quality pumps for equipment in domestic and overseas markets.

Core Value

We continuously innovate and develop products to meet the market's needs.

Company History

1988

Establishment of parent company of Wise Wit Co., Ltd.

2001

Establishment of UNI-CROWN Co., Ltd.

2008

Shanghai office Sales & Service

2012

Cross-border e-commerce B2B trade

2014

Invested in Zhejiang factory focusing on RV oil-type vacuum pumps

2017

UNI-CROWN (Shanghai) Co., Ltd. Formal Registered

2019

A sample assembly line Customized assembly in Taiwan

2021

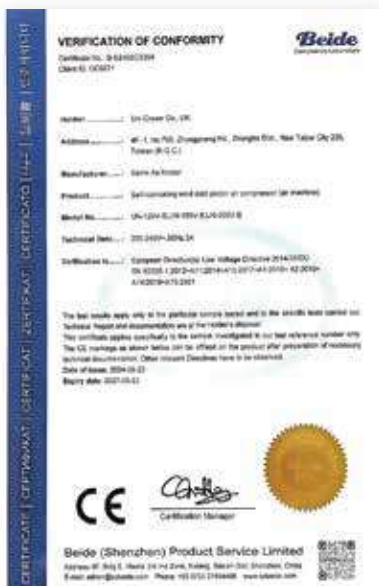
Foshan factory established

2025

Expand the product line and international locations.

PRODUCT CERTIFICATES

CE Marking



RoHS



UL



Oilless Vacuum Pump

Serving major OEM equipment manufacturers, we offer nearly 70 models of vacuum pumps to choose from.

Customized assembly is also available to meet specific application requirements.

Professionally manufactured oilless vacuum pumps featuring:



Oil-free design



Low noise operation

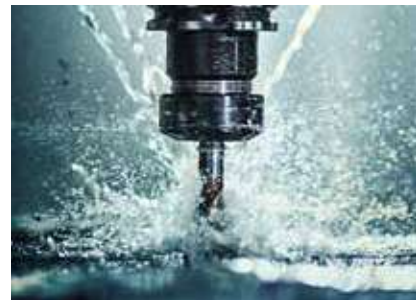


Stable performance



Clean, dry air output

Oilless vacuum pumps provide a reliable source of clean and dry vacuum with high performance and low maintenance costs. They operate at low noise and vibration levels, and are suitable for a wide range of vacuum-related applications including vacuum fixation, vacuum suction, vacuum drying, vacuum degassing, gas-tight packaging, and vacuum discharge.



CNC Machining Centers



Automated Production Lines



Laboratory Research Equipment



Vacuum Pumps

Compact design, high vacuum level, energy-efficient operation. Suitable for a wide range of applications including automation, industrial equipment, and small-scale vacuum systems.

Used in CNC machining centers, automated production lines, medical devices, packaging equipment, and LED manufacturing equipment.



Vacuum Systems

Low noise, fast evacuation speed, continuous operation. Modular design with optional water-capturing system to prevent liquid backflow and contamination.

Ideal for CNC processing lines (automated manufacturing), centralized vacuum systems in factories, and non-magnetic workpiece handling in electronics or construction industries.



Portable Vacuum Pumps

Lightweight and compact with user-friendly design. Air filtration and silencing structure. Plug-and-play operation suitable for mobile or space-limited applications. Laboratory vacuum systems (filtration,

concentration, drying, aspiration), medical beauty device, dental vacuum systems, small inspection or air suction tasks.



Corrosion-Resistant Vacuum Pumps

Equipped with a full PTFE head structure, offering excellent chemical resistance. Oil-free and contamination-free design. Lightweight and compact.

Especially suited for chemical and pharmaceutical laboratories, corrosive gas handling, solvent filtration, acid/base treatment, and chemical exhaust applications.



DC Pump

Compatible with both gas and liquid applications. High-efficiency motor, long service life, oil-free operation, low maintenance.

Ideal for liquid filtration, laboratory, vacuum aspiration, gas sample collection, biotechnology, chemical processing, and multi-purpose vacuum applications in various industries.



Server Liquid Cooling Pump DC Water Pump

Stable operation (low noise and vibration), high efficiency, compact size, and reliable liquid transfer performance.

Suitable for household appliances, small machinery, precision instruments, laboratory water circulation systems, medical

Oilless Air Compressor

Our air compressors can be optionally equipped with air tanks, pressure gauges, safety valves, and desiccant filter modules. Custom configurations are available based on application needs, ensuring a reliable and stable compressed air solution.

Key Features of Our Oilless Air Compressors:



Oil-free design



Low noise operation



Clean, dry air output



Stable performance



Long service life

Oilless air compressors deliver clean, oil-free compressed air, ideal for medical, laboratory, and life science applications.

They help prevent cross-contamination in environments where air contacts products or processes, making them especially suitable for surgical tools, medical devices, and sterile production.



Laboratory Equipment



Medical Equipment



Dental Chairs



Oilless Air Compressor

In pharmaceutical and medical applications, air purity is essential to ensure product performance and quality.

Food transfer, air blowing, fermentation, pneumatic tools, automated production lines, spraying, pneumatic valves, dental equipment, ENT instruments, gas production, particle cleaning, semiconductor packaging, metal cutting, coating, etc.



Quiet Air Compressor

Oil-free operation with noise-reduction design. Delivers dry, high-quality air with modular configuration for improved efficiency.

An essential system for high-tech manufacturing, preventing contamination caused by trace oil in sensitive instrumentation environments.



Portable Air Compressor

Stable air supply, ready-to-use installation, smart control, high performance, dual-compressor redundancy, and user-friendly operation.

Ideal for industries requiring clean air, including laboratories, food processing, chemical processing, and automated production lines.



Scroll Air Compressor

Delivers ultra-clean air with minimal wear and tear. Direct drive system, low maintenance cost, precise control via microprocessor, quiet operation, and equipped with air filters.

Suitable for medical gas supply, dental air systems, pharmaceutical manufacturing, food and beverage processing, semiconductor production, electronics manufacturing, cleanroom operations, and precision industrial applications.

Oil Vacuum Pump

Oil-lubricated vacuum pumps achieve higher vacuum levels by using oil to lubricate rotary vanes. Ideal for high-performance applications and compatible with centralized vacuum systems.

APPLICATIONS



Food vacuum packaging machines



Rubber & plastic processing



Paper transfer for printing machines



Rotary Vane Vacuum Pump

Delivers high vacuum levels with stable, precise performance.

Suitable for continuous use over 3,000 hours.



High-Vacuum Pump

Designed for gas and refrigerant recovery.

Ideal for vacuum drying, filtration, freeze-drying, and sample prep.



Industrial Blower

Ideal for printing, plastics, packaging, electronics, wastewater treatment, aquaculture, textiles, vacuum systems, and material handling.



PRODUCT OVERVIEW

Industrial blowers provide both suction and blowing with high airflow and pressure. They ensure reliable, quiet, and low-maintenance operation with long service life.

Used in printing, wastewater treatment, and textile or plastic processing, they help maintain stable airflow and enhance overall production efficiency.

APPLICATIONS

Ideal for printing, plastics, packaging, electronics, wastewater treatment, aquaculture, textiles, vacuum systems, and material handling.



Vacuum Transport Systems

Printing Machines



Aquaculture Aeration



OILLESS VACUUM PUMP



MODEL	VOLTAGE	MAX.VACUUM	OPEN FLOW		POWER CONSUMPTION	WEIGHT	CONNECTIONS
			60Hz	50Hz			
			(LPM)				
UN-15N	110	550mmHg, 2.5kgf/cm ²	15	13	80	1.45	Φ6mm
UN-16Y	110 or 220	600mmHg, 2kgf/cm ²	20	18	80	1.9	Φ6mm
UN-25N	110 or 220	550mmHg, 2-2.5kgf/cm ²	18	15	90	1.5	Φ7mm
UN-25D	110 or 220	600mmHg, 1.5kgf/cm ²	40	34	130	3.2	1/4"
UN-36Y	220	620mmHg, 2kgf/cm ²	25	23	125	1.9	Φ6mm
UN-40V	110 or 220	660	45	40	180	5.2	1/4"
UN-45VH	110 or 220	720	35	30	100	3.3	Φ8mm
UN-50D	110 or 220	620	20	16	85	2.3	Φ6mm
UN-50DY	110 or 220	620mmHg, 3kgf/cm ²	25	23	110	2.5	1/8"
UN-25-ATC	110 or 200 or 220	720	28	25	85	3.1	1/8"
UN-40-ATC	110 or 220	740	40	37	120	4.4	1/4"
UN-90V	110 or 220	680	90	80	250	7.8	1/4"
UN-90VH	110 or 220	740	45	40	250	7.7	1/4"
UN-120V	110 or 220	680	120	102	300	7.8	1/4"
UN-120V-B	110 or 220	690	135	125	400	7.3	1/4"
UN-120VH	110 or 220	740	60	58	300	8.6	1/4"
UN-150V-B	110 or 220	690	150	140	480	8	1/4"
UN-180V	110 or 220	680	170	158	500	9.2	1/4"
UN-180VH	110 / 220	740	100	85	500	9	1/4"
UN-200V	110 or 220	680	200	160	620	9.2	1/4"
UN-200V-B	110 or 220	690	200	160	480	8	1/4"
UN-200VH	110 or 220	736	125	110	420	9.5	1/4"
UN-300V	220	680	280	250	950	18	1/2"
UN-300VH	220	740	140	125	950	18	1/2"
UN-350V	110 or 220	680	350	320	1500	22	1/2"
UN-350VH	110 or 220	740	180	160	1000	22	1/2"
UN-140VQ	110 or 220	757	135	120	850	19	1/2"
UN-500V	110 or 220	680	380	320	850	19	1/2"
JB-300V	220	680	280	250	950	30	1/2"
JB-300VH	220	740	140	125	950	30	1/2"
UN-400V	110 or 220	680	325	280	1000	29	1/2"
UN-400VH	110 or 220	740	280	260	1000	29	1/2"
UN-280VQ	220	755	270	240	1700	65	1"
UN-440VQ	220	755	440	370	1800	64	1"
UN-800V	220	680	700	560	1800	64	1"



UN-100VT

UN-200VT

UN-400VT

UN-400VT-CNC

UN-602VT

MODEL	VOLTAGE (V)	MAX.VACUUM (mmHg)	OPEN FLOW (LPM)		POWER CONSUMPTION (W)	TANK VOLUME (L)	WEIGHT (kg)	CONNECTIONS (PT)
			60Hz	50Hz				
UN-100VT	110 or 220	650	100	80	250	30	24	3/8"
UN-200VT	110 or 220	650	200	160	500	30	25.6	3/8"
UN-400VT	110 or 220	650	325	280	1100	30	44.8	3/8"
UN-400VT-CNC	110 or 220	650	325	280	1100	30	46.3	1/2"
UN-602VT	220 or 380-3	650	560	500	1900	100	86.6	1"

LAB VACUUM PUMP



LAB-10/20/30

LAB-300

LAB-400

SE series

MODEL	VOLTAGE (V)	MAX.VACUUM (mmHg)	OPEN FLOW (LPM)		POWER CONSUMPTION (W)	HP (hp)	WEIGHT (kg)	HOSE ID SUGGESTION	NOISE (dB)
			60Hz	50Hz					
LAB-10	110 or 220	620	20	16	85	1/8	5.5	Φ8mm	45
LAB-20	110 or 220	720	35	30	100	1/8	6.8	Φ8mm	45
LAB-30	110 or 220	660	50	40	180	1/4	8.5	Φ8mm	50
LAB-300	110 or 220	620	24	19	95	1/8	3.6	Φ8mm	45
LAB-400	110 or 220	620	40	32	120	1/6	5.5	Φ8mm	45
SE-150V	110 or 220	680	120	96	300	1/2	11.5	1/4"PT	65
SE-250V	110 or 220	680	220	176	560	3/4	13	1/4"PT	65
SE-150VH	110 or 220	740	70	55	300	1/2	11.5	1/4"PT	65
SE-250VH	110 or 220	740	100	85	560	3/4	13	1/4"PT	65

CHEMICAL RESISTANT VACUUM PUMP



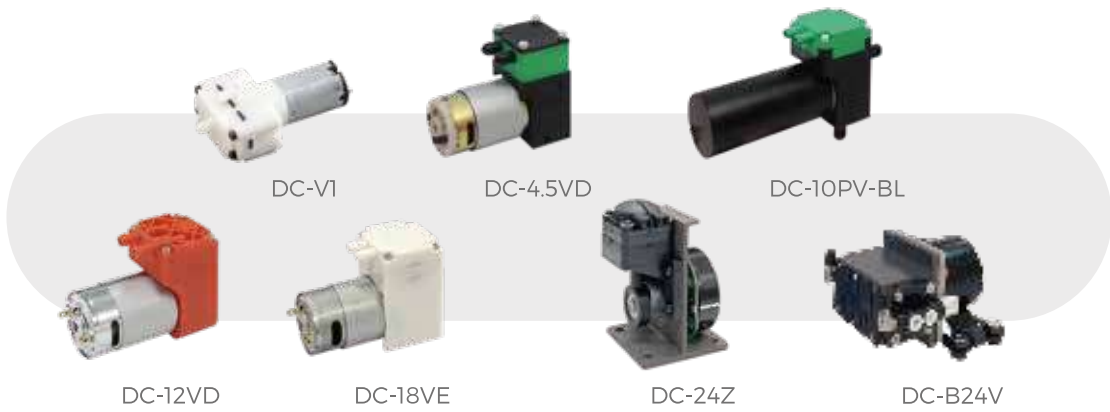
VPC-400/500

DC-15PV-BL
UN-6PV-H

MODEL	VOLTAGE (V)	MAX. VACUUM (mbar/inHg)	MAX. PRESSURE (kgf/cm ²)	OPEN FLOW (LPM)		POWER CONSUMPTION (W)	WEIGHT (kg)	CONNECTIONS (mm)
				60Hz	50Hz			
VPC-400	AC 220	13 mbar	-	30	25	110	5	3/8 插心
VPC-500	AC 220	8 mbar	-	48	40	245	10	Φ10
DC-15PV-BL	BLDC 24V (P/S)	25/29 inHg	25/30 psi	15.5	7.6	20	1.9	G 1/8"
UN-6PV-H	AC 115V or 230V	290 mbar	1.5 bar	6		70	5	G 1/8"

*P : parallel S : series

DC PUMP



MODEL	VOLTAGE	VACUUM	PRESSURE	OPEN FLOW	POWER CONSUMPTION	REFERENCE LIFETIME	WEIGHT	HOSE ID SUGGESTION
	(V)	(mmHg)	(kgf/cm ²)	(LPM)	(W)	(hours)	(kg)	(mm)
DC-V1	DC 6 · 12	200	-	≥ 1	1.8	100	0.015	Φ3
DC-4.5VD	DC 6 · 12 · 24	450	0.9	≥ 3.2	2.8	1200	0.15	Φ4
DC-10PV-BL	BLDC 12 · 24	570	1.6	≥ 10	7.2	15000	0.4	Φ5.5
DC-12VD	DC 12 · 24	400	-	≥ 10	9.6	2000	0.3	Φ6
DC-18VE	DC 12	600	-	≥ 18	16	1000	0.3	Φ6
DC-24Z	BLDC 12 · 24	600	3	≥ 12.5	36	5000	0.6	Φ6
DC-B24V(VH)	DC 12 · 24	620(730)	-	≥ 22(16)	50	3500	2.6	Φ7.5

SERVER LIQUID COOLING PUMP DC WATER PUMP



MODEL	VOLTAGE	VACUUM	GAS FLOW	POWER CONSUMPTION	MAX HEAD	WATER FLOW	REFERENCE LIFETIME	WEIGHT	LIQUID TEMPERATURE	HOSE ID SUGGESTION
	(V)	(mmHg)	(LPM)	(W)	(M)	(LPM)	(hours)	(kg)	(°C)	(mm)
DC-04W	DC 6 · 12 · 24	520	3	2.4/2.8/3.6	10	0.3	1200	0.15	-	Φ4
DC-04WL	DC 6 · 12 · 24	420	2.8	2.4/2.8/3.6	10	0.3	3000	0.22	-	Φ4
DC-04W-BL	BLDC 12 · 24	-	-	3.6/7.2	10	0.3/0.5	10000	0.50	-	Φ6
DC-05W-BL	BLDC 6 · 12 · 24	-	-	2.8/5.7	10	0.4	15000	0.25	-	Φ4
DC-1.0W	DC 6 · 12 · 24	350	2	2.4/2.8/3.6	10	0.9	3000	0.22	-	Φ4
DC-1.5W-BL	BL DC 12	-	-	2.7	0.8	1.5	20000	0.25	5~100	Φ8
DC-20W-BL	BL DC 12	-	-	38.4	8	20	20000	0.4	-40~75	Φ12
DC-C07-BL	BL DC 24	-	-	8.4	3	7	20000	0.118	-40~105	Φ9.4
DC-C08-BL	BL DC 12	-	-	17	5	8	20000	0.18	-40~70	9.5 / 9.5 (Type A) 15 / 15 (Type B)

OILLESS AIR COMPRESSOR



UN-25P



UN-40P



UN-90P



UN-120P



UN-160P



UN-180P



UN-300P



UN-350P



UN-60P-OXY



UN-80P-OXY



UN-120P-OXY



UN-200P-OXY

MODEL	VOLTAGE (V)	MAX.PRESSURE (kgf/cm ²)	OPEN FLOW		POWER CONSUMPTION (W)	WEIGHT (kg)	CONNECTIONS (PT)
			60Hz	50Hz			
			(LPM)				
UN-25P	110 / 220	3.5-4kgf, 600mmHg	24	19	125	2.85	1/8"PT
UN-40P	110 / 220	7	50	45	350	5.2	1/4"PT
UN-90P	110 / 220	7	90	80	520	7.4	1/4"PT
UN-120P	110 / 220	7	120	100	600	7.5	1/4"PT
UN-180P	110 / 220	7	180	160	900	12	1/4"PT
UN-300P	110 / 220	8	300	250	1800	17.5	1/2"PT
UN-350P	110 / 220	8	350	320	1800	22	G 1/2
UN-60P-OXY	110 / 220	2.5	110	88	400	6.2	1/4"PT
UN-80P-OXY	110 / 220	3	190	170	600	8.6	1/4"PT
UN-120P-OXY	110 / 220	2.5	120	100	500	5.8	G1/4
UN-200P-OXY	110 / 230	2.5	200	180	800	9.2	G1/4

OILLESS AIR COMPRESSOR WITH TANK



UN-50PT



UN-100PT



UN-202PT



UN-402PT



UN-602PT

MODEL	VOLTAGE (V)	MAX.PRESSURE (kgf/cm ²)	OPEN FLOW		POWER CONSUMPTION (W)	NOISE (dB)	WEIGHT (kg)	TANK VOLUME (L)	HOSE ID SUGGESTION (PT)
			60Hz	50Hz					
			(LPM)						
UN-50PT	110 / 220	7	50	40	400	70	13	6	1/4"
UN-100PT	110 / 220	7	100	80	520	65	26	30	1/4"
UN-202PT	110 / 220	7	200	160	1056	65	49	60	1/4"
UN-303PT	110 / 220	7	300	240	1500	70	40	60	1/4"
UN-402PT	110 / 220	7	400	320	1530	70	55	60	1/4"
UN-602PT	110 / 220	7	560	500	3300	70	78	100	1/2"

QUIET AIR COMPRESSOR



Q-Air100 Q-Air150 Q-Air450 Q-Air750D Q-Air750SL Q-Air1000SL

MODEL	VOLTAGE (V)	MAX.PRESSURE (kgf/cm ²)	OPENFLOW		POWER CONSUMPTION (W)	NOISE (dB)	WEIGHT (kg)	TANK VOLUME (L)	I.D. OF SCREW THREAD (PT)	DRY AIR DEW POINT TEMPERATURE (°C)
			60Hz	50Hz						
			(LPM)							
Q-Air100	110 / 220	7	118	94	600	60	24	4	1/4"	-
Q-Air150	110 / 220	7	155	124	800	60	48	40	1/4"	-
Q-Air300	110 / 220	7.5	310	248	1600	60	90	60	1/4"	-
Q-Air300D	110 / 220	7.5	294	235	1600	60	105	60	1/4"	-5
Q-Air450	220	7.5	465	372	2400	60	120	90	1/4"	-
Q-Air450D	220	7.5	441	352	2400	60	135	90	1/4"	-5
Q-Air750D	220	8	775	620	4000	60	219	150	1/4"	-5
Q-Air750SL	220V/60HZ/3Ø	8	600LPM@8kgf/cm ²		5300	65	165	*360	1/2"內牙	
Q-Air1000SL	220V/60HZ/3Ø	8	805LPM@8kgf/cm ²		7500	65	243	*660	1"外牙	

* 建議外掛儲氣桶 * 含冷排系統

ROTARY VANE VACUUM PUMP



RV-008 RV-010 RV-025 RV-040 RV-100

MODEL	VOLTAGE (V)	MAX.VACUUM (pa)	PUMPING SPEED		POWER CONSUMPTION (kw)	MOTOR SPEED (rpm)	OIL CAPACITY (L)	NOISE (dB)	WEIGHT (kg)	I.D. OF SCREW THREAD (inch)
			60Hz	50Hz						
			(m ³ /h)							
RV-008	110 / 220 220 / 380 3Ø	200	9.6	8	0.55 0.37	2800	0.25	60	11	G 3/8
RV-010	110 / 220 220 / 380 3Ø	200	12	10	0.75 0.55	2800	0.3	69	18	G 1/2
RV-016	110 / 220 220 / 380 3Ø	200	19.2	16	0.75 0.55	2800	0.3	69	18	G 1/2
RV-020N	110 / 220 220 / 380 3Ø	200	24	20	0.90 0.75	2800	0.4	64	20	G 1/2
RV-025	110 / 220 220 / 380 3Ø	200	30	25	0.90 0.75	2800	0.5	64	25	G 3/4
RV-040	220 / 380V 3Ø	50	48	40	1.5	1400	1.0	67	48	G 1 1/4
RV-063N	220 / 380V 3Ø	50	75	63	2.2	1400	2.0	68	55	G 1 1/4
RV-100	220 / 380V 3Ø	50	120	100	3.0	1400	2.0	72	77	G 1 1/4
RV-160	220 / 380V 3Ø	50	192	160	4.0	1400	4.5	74	152	G 2
RV-200	220 / 380V 3Ø	50	240	200	5.5	1400	4.5	76	159	G 2
RV-250	220 / 380V 3Ø	50	300	250	5.5	1400	7.0	76	230	G 2
RV-300	220 / 380V 3Ø	50	360	300	7.5	1400	7.0	76	236	G 2

OIL VACUUM PUMP



OLD-20VD

OLD-40VD

MODEL	VOLTAGE (V)	MAX.VACUUM (mmHg)	OPEN FLOW		HORSEPOWER (HP)	OIL CAPACITY (ml)	WEIGHT (kg)	HOSE ID SUGGESTION (PT)
			60Hz	50Hz				
			(LPM)					
OLD-20-VD	110 / 220	3x10 ⁻¹	142	128	1/2	330	11.4	Φ12
OLD-30-VE	220	3x10 ⁻¹	198	170	3/4	700	16.5	Φ12
OLD-40-VD	110 / 220	3x10 ⁻¹	254	226	1	500	16.2	Φ12