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CLINICAL SOLUTIONS









THE TECHNOLOGICAL ADVANTAGE FOR DENTAL CLINICS AND UNIVERSITIES

AIR TECHNIQUES equipped for life®

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THAT'S EFFICIENCY - COMPRESSED AIR AND VACUUM SYSTEMS FROM ONE SOURCE



Compressed Air and Vacuum

Air Techniques' highly engineered compressed air units feature a refrigerant type dryer and cyclonic separator that can support up to 120 workstations each, such as the AirStar AS120. The powerful vacuum systems are designed to have an integrated upstream central separation system that can support up to 90 workstations each, such as the VacStar VS90. Experience cost saving advantages when you combine your compressed air and vacuum system.

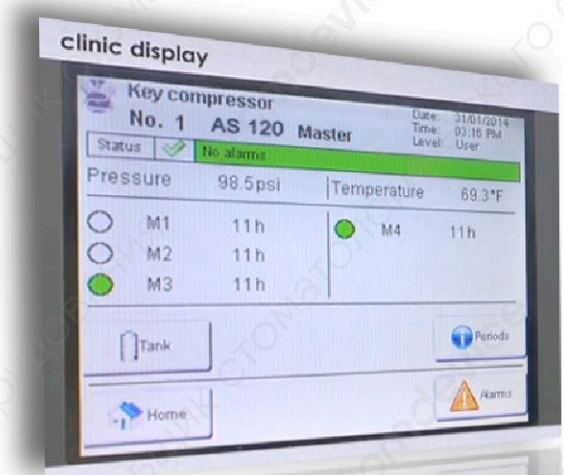
Simplified Maintenance and Replacement Parts

Designed to make maintenance and replacing parts simple. Each air compressor and vacuum system use the same model of antibacterial filter. The 0.15 micron intake filter used for compressed air functions is also used as an exhaust filter for the vacuum systems. A reminder will be displayed when it's time to change the filter; typically filters are changed after 3,500 hours of use.

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Central Remote Monitoring

Monitoring your compressed air and vacuum system has never been more straightforward. The clinical visual display provides a convenient central monitoring system. This controls all compressed air and vacuum systems by displaying information such as operating hours, filter replacement, error messages, and so on. With the Visualization software, remote monitoring can be available in any location of your facility. Isolated contacts can also be used to connect to an existing central control center.





ALL MODELS ARE BACKED BY A
2 Year Warranty

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SUPERIOR QUALITY FOR COMPRESSED AIR SYSTEMS



AirStar AS120

AIRSTAR® CLINCIAL AIR COMPRESSORS

Individual Project Planning

Having a consistent supply of compressed air is crucial for keeping the clinic or university up and running. This is why choosing a high performance, top-of-the-line system is important. Our service covers everything from consultation, planning, layout design, on-site installation assistance, to after-sales training and maintenance.

- Premium compressed air quality: oil-free, dry, hygienic *(as per HTM 2022/DIN EN ISO 7396-1)*
- Compressors automatically switch on and off according to use and demand
- If one compressor breaks down, the next one automatically performs its tasks
- Compressor automatically starts up in less than 5 minutes to balance the compressor's base load
- Just one central filter for each complete station *(e.g. AirStar AS120)*

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AirStar® Clinical Air Compressor Systems

Part No.	AS60	AS90	AS120
Max Users @ 60%	60	90	120
Max Simultaneous Users @ 100%	40	60	80
Flow Rate @ 145 psi CFM	45.5	68.1	90.8
Power Consumption (HP)	15.0	22.5	30.0
Panel Breaker (A)	40	50	60
Tank Volume (Gal)	125	125	125
Voltage (V)	3~ 480 VAC	3~ 480 VAC	3~ 480 VAC
Electrical Frequency (Hz)	60	60	60
Compressor Dimensions (W x H x D)	51" x 38" x 39"	51" x 71" x 39"	51" x 71" x 39
Compressor Weight (Lbs)	505	836	1,056
Dryer Dimensions (W x H x D)	39" x 82" x 51"	39" x 82" x 51"	39" x 82" x 51"
Dryer Weight (Lbs)	700	700	700

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WE STRIVE TO PROVIDE THE BEST RESULTS FOR OUR CUSTOMERS



VacStar VS90

VACSTAR® CLINICAL DRY VACUUM SYSTEMS

Stainless Steel Central Separation Tank

The Central Separation Tank collects all of the liquids from treatment stations and separates the liquids from the air. After this stage of separation, the air flows to the vacuum pumps while the liquids are sent to the Amalgam Separators (optional feature). Automatic integrated flushing and disinfection also occur inside the Central Separation Tank which thoroughly reduces the spread of germs in the tank.

Highly Reliable, Low Power Consumption

The vacuum motors are turned on and off automatically by sensors that detect operational times and required volume flow. This ensures that electrical energy is used effectively and economically. The programmable logic controller ensures consistently uniform use of the vacuum system, thereby increasing its overall service life and reliability.

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Flexible Solutions to Meet Your Needs



Programmer Logic Controller

Air Techniques' compressed air systems and vacuum systems offer flexible solutions that are scalable for any number of treatment stations. The high performance reciprocating piston compressors and side channel vacuums are precisely synchronized set by the intelligent Programmer Logic Controller (PLC). The PLC system intelligently monitors all functions and can be controlled via a single display within the technical room or with multiple remote displays throughout your facility.

VacStar® Clinical Dry Vacuum Systems			
Part No.	**VS60**	**VS75**	**VS90**
Max Users @ 60%	60	75	90
Max Simultaneous Users @ 100%	40	50	60
Flow Rate @ 0 inHg (SCFM)	400	500	600
Flow Rate @ 5 inHg (SCFM)	360	450	540
Flow Rate @ 10 inHg (SCFM)	240	300	360
Power Consumption (HP)	24.8	31.0	37.2
Panel Breaker (A)	40	50	60
Voltage (V)	3~ 480 VAC	3~ 480 VAC	3~ 480 VAC
Electrical Frequency (Hz)	60	60	60
Pump Dimensions (W x H x D)	70" x 53" x 46"	70" x 53" x 46"	70" x 53" x 46"
Pump Weight (Lbs)	800	900	1,000
Tank Dimensions inch (ø/H)	26" / 57"	26" / 57"	26" / 57"
Tank Weight (Lbs)	400	400	400

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CLINICAL VACUUM SYSTEM WITH CUTTING-EDGE TECHNOLOGY



Mojave 4V15

MOJAVE® CLINICAL DRY VACUUM SYSTEMS

High Performance Evacuation

- Continual, constant suction, regardless of the number of simultaneous users
- Virtually eliminate water consumption
- Dramatically reduce power consumption
- Provide for easy installation and even easier expansion of your Mojave system as you grow



"Mojave Dry Vac was an easy choice for me. It consumes very little electricity and yet provides optimum performance. Air Techniques has designed a top rate dry vacuum system in Mojave."

– Eugene L. Antenucci, DDS, FAGD, FICOI, FICD, FACD

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Mojave Master Controller

Central Controller System
Used with Mojave V15, 2V15, 3V15, 4V15

Mojave's exclusive Master Controller (MMC) automatically adjusts the frequency of the pump(s) to maintain the required vacuum level depending on the needs of your dental facility.

- Conserves electricity and prolongs the life of your pumps
- Monitors and displays the pump frequency, vacuum level and temperature
- Balances the vacuum load equally across all running pumps
- Controls the washout and diagnosis function

Mojave® Clinical Dry Vacuum Systems				
Part No.	V15	2V15	3V15	4V15
Voltage Range (Min/Max)	3~ 198-242	3~ 198-242	3~ 198-242	3~ 198-242
Horsepower	6.2	12.4	18.6	24.8
Max. Users	15	30	45	60
Panel Breaker	40A	40A (x2)	40A (x3)	40A (x4)
Weight (Lbs)	Pump – 250 Tank – 175	Pumps – 250(x2) Tank – 175	Pumps – 250(x3) Tanks – 175(x2)	Pumps – 250(x4) Tanks – 175(x2)
Tank Dimensions (inches W x H x D)	25 x 42 x 23	25 x 42 x 23	50 x 42*** x 23	50 x 42*** x 23
Pump Dimensions (inches W x H x D)	32.5 x 23.5 x 26	32.5 x 47** x 26	32.5 x 47** x 26 + 32.5 x 23.5 x 26	32.5 x 47** x 26 (x2)

Note: 1 User = 1HVE or 2SEs
**Pumps Stacked
***Tanks Side-by-Side

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DIGITAL IMAGING WITHOUT LIMITS



SCANX® DIGITAL RADIOGRAPHY SYSTEMS

Smart Investment

- ScanX is the most economical digital solution for any size clinic or university.
- ScanX utilizes PSPs which are 30X thinner then wired sensors; flexible, with rounded corners that provide optimum comfort for your patients.
- No annual maintenance fees, chemicals or costly insurance and PSPs can be reused hundreds of times.
- Once a PSP has been inserted into ScanX, the sharp, crisp image appears on your screen in seconds. Review, share, archive or email your digital images.
- The durable PSPs are immediately ready to be used again thanks to the automatic read and erase technology.

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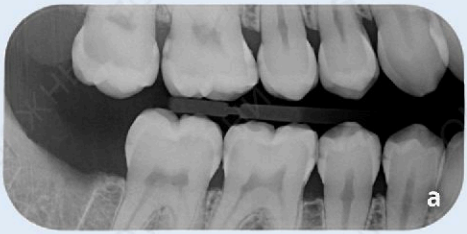
Endo - Size 0 PSP



Implant - Size 1 PSP



Bitewing - Size 2 PSP



Bitewing - Size 3 PSP



Wireless, Flexible and Thin PSPs



ScanX Swift
1Track, Intraoral Sizes 0-2
Chairside Imaging



ScanX Intraoral
4 Tracks, Intraoral Sizes 0-4
Central Imaging



ScanX Classic
4 Tracks, Intraoral Sizes 0-4
Extraoral sizes PAN, Ceph, and TMJ

ScanX Digital Radiography Systems

Part No.	G8000 ScanX Swift	F3600 ScanX Intraoral	F3700 ScanX Classic
True Resolution/ Theoretical Resolution	20 lp/mm (1000 dpi) 40 lp/mm (2000 dpi)	18 lp/mm (900 dpi) 40 lp/mm (2000 dpi)	18 lp/mm (900 dpi) 40 lp/mm (2000 dpi)
Dimensions (inches WxHxD)	8.9 x 9.2 x 9.6	15.5 x 16 x 15.5	15.5 x 24.5 x 15.5
Weight (Lbs)	14.5	44	51
Electrical	115V, 60Hz	115V, 60Hz	115V, 60Hz

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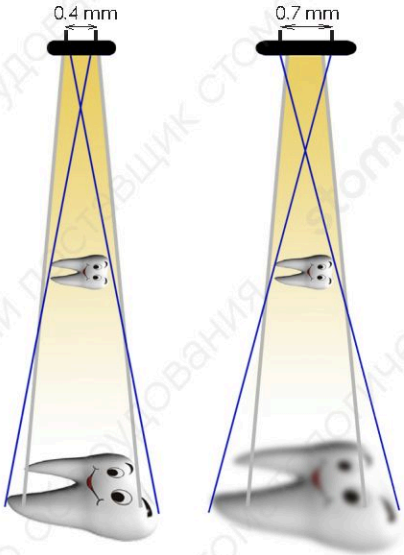
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THE PERFECT COMBINATION OF IMAGE QUALITY, EFFICIENCY AND DESIGN



PROVECTA® HD INTRAORAL X-RAY SYSTEM



Featuring the precision of a DC generator with a 0.4mm focal spot. While most X-ray units have a 0.7 mm focal point, ProVecta HD features a 0.4 mm focal point for maximum image sharpness. The DC tube reduces the patient radiation dose by more than 25% in comparison to conventional AC units, ensuring greater safety for your patients and staff. It's operator friendly and includes a right-angle technology tube head and with an intuitive icon driven control panel and adjustable mA and kV levels.

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- Generator head handle allows precise positioning that stays in place
- Right-angle/parallel technology for precise alignment
- Adjustable mA and kV levels
- Space-saving design
- Choice of 3 arm lenghts
- DC technology allows constant radiation levels to ensure reliable image quality.
- Factory programmed dosage specifically set for each view of teeth when using ScanX® flexible phosphor sensors (PSP).

Specifications	ProVecta HD (short / medium / long)
Arm Length (inches)	66 / 72 / 84
Storage Height (inches)	45
Weight (Lbs)	55 / 56 / 59
Focal Spot Size (mm)	0.4 (IEC 60336)
Power Consumption (W)	500
Communication Connection	RJ45, RJ11, 2 Wire, 3 Wire

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SHORT SCAN TIME, LOW X-RAY DOSE, BEST IMAGE QUALITY



PROVECTA® S-PAN PANORAMIC X-RAY & PROVECTA® S-PAN CEPHALOMETRIC X-RAY SYSTEMS

The S-Pan technology, only available from Air Techniques, uses a unique algorithm to compile up to 20 separate images into one clear and sharp image in all areas of the dental anatomy. Unlike traditional 1 layer or 5 layer systems, the ProVecta S-Pan and ProVecta S-Pan Ceph acquire images that are specifically created for each individual patient.

From a single exposure, the system acquires these 20 layers and slices them into 20,000 fragments. The best are selected and compiled to generate a single, exceptionally sharp panoramic image – automatically!

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At 7 seconds for a panoramic image and 4.1 seconds for a lateral ceph image, the patient's exposure is reduced. Due to the modern high-sensitivity CsI sensors, an excellent image quality can be achieved despite the low dose.



Besides the 17 panoramic programs available, 5 new programs for all ceph X-ray recordings are now also included:

- Head lateral L
- PA head
- SMV (submentovertex)
- Waters view
- Hand (Carpus)

- S-Pan technology for simpler diagnosis and unmatched image quality
- CsI sensor for better image quality and reduced dose
- Slim design, small footprint
- Extremely fast: OPG image from 7 seconds
- 7" touch display for intuitive handling
- Easy face-to-face positioning, 3 positioning lasers
- Total of 17 X-ray programs ensures your are well equipped for every diagnosis

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Specifications	ProVecta S-Pan
Dimensions (inches W x D x H)	38 x 48 - 51 x 90
Weight Without Base Plate (Lbs) Weight With Base Plate (Lbs)	231 342
Main Voltage	200 – 240 VAC
Frequency	50/60 Hz

Specifications	ProVecta S-Pan Ceph
Dimensions (inches W x D x H)	77 x 48 - 51 x 90
Weight Without Base Plate (Lbs) Weight With Base Plate (Lbs)	284 394
Main Voltage	200 – 240 VAC
Frequency	50/60 Hz

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