

# Mechanical

Mechanical Room



**DEAN**  
DENTAL SYSTEMS  
by A-dec

# The Next Generation Mechanical Room.

Every dentist knows that having a functioning mechanical room is vital to a successful practice. The last thing you want to worry about is complications with the equipment that keeps your office running efficiently. Dean Dental System's family of revolutionary mechanical equipment will help you reduce maintenance costs, minimize your office's environmental impact, and achieve peace of mind that you have come to expect from A-dec.

**DEAN**<sup>®</sup>  
DENTAL SYSTEMS  

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by A-dec

# Modern Oil-Free Compressor

Our advanced design makes the mechanical room worry free.



Model	Width	Depth	Height
SC3r / SC5r / SC7r	23"	25-1/2"	27-5/8"
SC10r / SC12r	23"	25-1/2"	49-5/8"

## Compact and Quiet

70% smaller than other dental compressors, our stackable design saves valuable space and is ultra-quiet, ensuring a serene environment without sacrificing power.

## Variable User Technology

Our leading-edge electronics sense the number of users and adjust to meet the air demand rather than producing and storing large volumes of air unnecessarily. It manages the load evenly across pumps to help extend the life of your compressor and increase the value of your investment.

## Intelligent Controls

A modern touch screen gives you full control while providing you with real-time feedback on your system's performance and health. It also allows your equipment to be monitored from the factory.

## Upgradeable and Expandable

Upgrade installation kits can increase the size and capacity of this compressor. As the practice grows, so can your compressor.

## Low Maintenance Dry Air

Because all our compressors utilize innovative compact and efficient drying and filtration cartridges, you won't have to worry about dust or moisture in your lines. You can enjoy cool, clean and dry air for five years before recommended service.

Compressor Model	Recommended Users
SC3r	1-3
SC5r	3-5
SC7r	5-7
SC10r	7-10
SC12r	10-12

# Dry Vacuum System



Width	Depth	Height
18-1/4"	19-1/2"	48-1/2"

Designed for your bottom line.

## Variable User Technology

This revolutionary equipment senses the number of users and equipment in use, to adapt to the vacuum requirements in real time.

## Designed to Last Longer

The direct drive vacuum motor with one moving part is built to last up to 20,000 operating hours without maintenance. This translates to approximately ten years before support is required.

## Amalgam Separation Systems

Amalgam separation systems are good for the environment and required by law to keep mercury from amalgam out of wastewater. Our vacuum system is designed to work well with any amalgam separation system.

## Strong and Quick Response

Our dual impeller systems are strong and give operators a quick suction response when called upon.

## Smallest Footprint in the Industry

Our vacuum has the smallest footprint in the industry. Plus, it can be stacked on our uniquely designed compressor to save even more space.

## Variable Speed Technology

The energy efficient dry vacuum combined with variable speed technology reduces your power consumption by as much as 70% compared to wet systems. Add in elimination of water and sewer costs, and this system can pay for itself in as little as three years, with savings that extend for the life of the product.

Dry Vacuum Model	Recommended Users
DV5	1-5
DV7	5-7
DV10	7-10
DV12	10-12

Note: Models may be ordered as a twin to serve double the recommended users.

# Extra Peace of Mind



## Remote Water Control Valve

Protect your office from a devastating flood with our state-of-the-art water control valve.

Besides protecting your office from water damage Dean Dental System's Remote Water Control Valve offers these invaluable features:

### Reduced Contaminants

With an integrated filter and single-valve bypass, the 20-micron sediment filter cartridge reduces sand, dirt, scale, fine sediment, rust, and other contaminants that can harm water fixtures and dental equipment.

### Convenient and Easy-To-Use

The valve can be turned on and off from a single convenient location within the dental office using a remote control panel. Available models interface with our SMART Shield Touch Screen or any industry standard 24-volt push button control panel.



## SMART Shield Touch Screen

Take control of your equipment.

Dean Dental's SMART Shield Touch Screen allows for easy, icon-based operation of your equipment. At a glance you can see the operational status of your equipment throughout the day.

If maintenance is necessary, a visual alarm immediately alerts you and your staff. Accurate and timely information is delivered right to you.

### The Touch of a Finger Easily Controls Your Mechanical Room

- Visual display panel
- Current operational status
- Maintenance reminders
- Service indicators



## Guardian Remote Monitoring Service

Eliminate unnecessary equipment costs and downtime.

Dean Dental's Guardian Remote Monitoring Service provides a key step towards a zero downtime mechanical room. Operating conditions are recorded and securely uploaded to our cloud servers via a standard internet connection. Data is constantly monitored in a twofold process: algorithms continuously watch every data point while data is graphed and trended. This allows changes over time to be recognized.

### Rest Easy Knowing Your Equipment is in Good Hands

Collect: Key operating parameters are recorded

Store: Cloud-based storage of data

Analyze: Trending of data over life of machine

Visualize: Graphs display operation in real time

Act: Notifications of fault and alarm conditions

Our products are all backed by a warranty that ensures you can focus on your patients, not your equipment.

PRODUCT	WARRANTY TERM
Modern Oil-Free Compressor	5-year, 4,000 hour
Dry Vacuum System	5-year, 10,000 hour
Remote Water Control Valve	12 months
SMART Shield Touch Screen Control Panel	12 months



Environmentally friendly equipment lowers the cost of operation while conserving resources. See how our equipment is better for the earth and your bottom line.



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Explore the range of innovative solutions for your mechanical room now backed by A-dec, a trusted brand for your dental office. Contact your local A-dec authorized dealer to learn more.

[deandentalsystems.com](http://deandentalsystems.com)



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