

# Experience A-DEC 500™



A-dec Inc.  
2601 Crestview Drive  
Newberg, Oregon 97132 USA  
Tel: 1-503-538-9471, Fax: 1-503-538-0276

Outside USA/Canada contact:  
A-dec International Inc.  
Tel: 1-503-538-7478, Fax: 1-503-538-5911

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[www.a-dec.com](http://www.a-dec.com)



*For more information on the A-dec 500 product line, contact your local authorized A-dec dealer, call 1-800-547-1883 (1-503-538-7478 worldwide), or visit [www.a-dec.com](http://www.a-dec.com) for a list of dealers in your area.*

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# A-dec 500: An Experience In Synergy

Creating reliable, quality dental equipment has been a focus for A-dec™ since the company first began in 1964. The new A-dec 500 continues that tradition and offers the dental team even more choices, more innovations, and more value than ever before. Like patient seating with an exceptional balance of access and comfort. Streamlined delivery systems with new integrated capabilities and outstanding ergonomics. A unique water bottle and revolutionary waterline treatment tablet that radically simplify waterline maintenance. Support systems with more flexibility and choices in delivering assistant's instrumentation. Plus a dental light and monitor mount options that provide enhanced positioning and help improve visibility in the oral cavity.

Yet A-dec 500 is more than just the sum of its parts. It's a culmination of reliable technology, stylish looks, and flexible functionality—a new platform to bridge the gap between what you have today and what you'll need to perform healthier, more efficient dentistry in the future. Each A-dec 500 module is designed with the big picture in mind—to create “synergy” between elements, people, and procedures in the treatment room. In short, to keep everything working together so you and your team can focus more on the patient, and less on the equipment.

A-dec 500 is by far the most progressive product line ever created at A-dec. It combines input from doctors around the world, years of research and development, as well as extensive testing in one of the toughest environments: the dental school. It's also 100 percent A-dec. So like all A-dec product lines, A-dec 500 is designed to deliver a higher level of functionality, reliability, and customer support than any other dental equipment available today.



*A-dec 500 chair with sewn Ebony upholstery; Continental® delivery with deluxe touchpad, standard tray holder, A-dec intraoral camera, two A-dec electric micromotors, & ultrasonic scaler; long assistant's arm with curing light; cuspidor with support center, monitor mount, & large tray holder.*



*A-dec 500 chair with seamless Bamboo upholstery; traditional delivery with deluxe touchpad, A-dec electric micromotor, ultrasonic scaler, & A-dec intraoral camera; support-side monitor mount.*

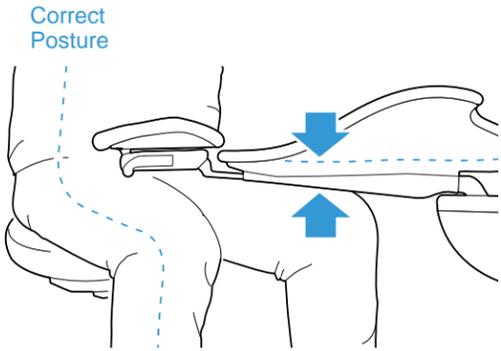
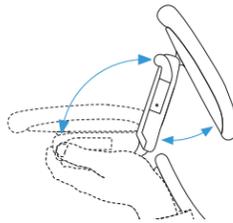


*A-dec 500 chair with seamless Chianti upholstery; cuspidor with support center, monitor mount, & dental light.*

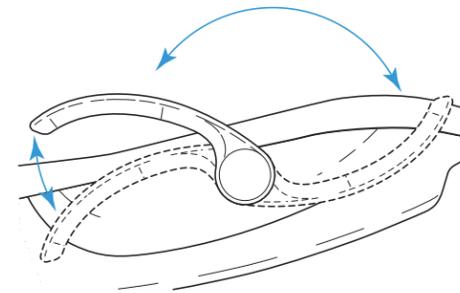
# Bridging The Gap Between Access And Comfort

Optimizing operator access while enhancing patient comfort is a challenge for most chair manufacturers. So much so, that it leads many of them to improve one at the cost of compromising the other. A-dec 500 makes no such compromise. The chair's slim-profile headrest and ultra-thin backrest provide more leg room under the chair, allowing you to lower the patient and work in a much more comfortable position. Meanwhile, the chair's anatomically formed backrest and seat cushion cradle your patient by reducing pressure points and providing exceptional support. Together, these features create a chair that offers what most chairs cannot: comfortable, streamlined access for your team and, at the same time, a patient who is comfortably seated and relaxed.

Thanks to a convenient lever on the gliding headrest, you can quickly and easily make adjustments with one hand. And since the articulation matches the natural motion of your patient's head and neck, the headrest is also very comfortable.

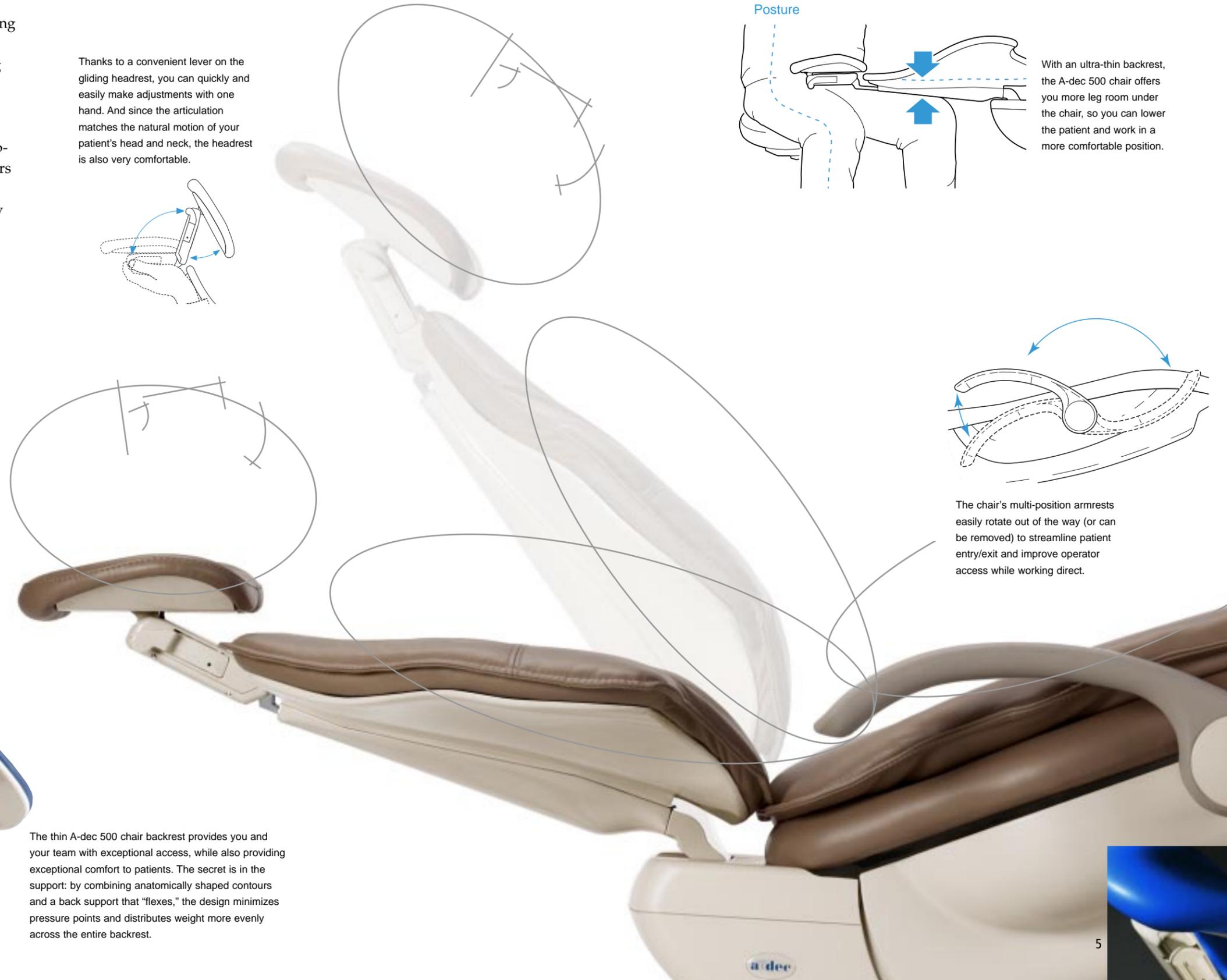


With an ultra-thin backrest, the A-dec 500 chair offers you more leg room under the chair, so you can lower the patient and work in a more comfortable position.



The chair's multi-position armrests easily rotate out of the way (or can be removed) to streamline patient entry/exit and improve operator access while working direct.

The thin A-dec 500 chair backrest provides you and your team with exceptional access, while also providing exceptional comfort to patients. The secret is in the support: by combining anatomically shaped contours and a back support that "flexes," the design minimizes pressure points and distributes weight more evenly across the entire backrest.



At A-dec, we strive to find the most objective ways to increase chair comfort. While developing A-dec 500, we turned to pressure mapping. By combining this technology with a number of test groups, we were able to map-out key areas on the chair that required a more supportive shape. The end result may surprise you. Even with a thickness less than 1" (25 mm) in some areas, the cushioning provides comfortable support across the patient's entire body.

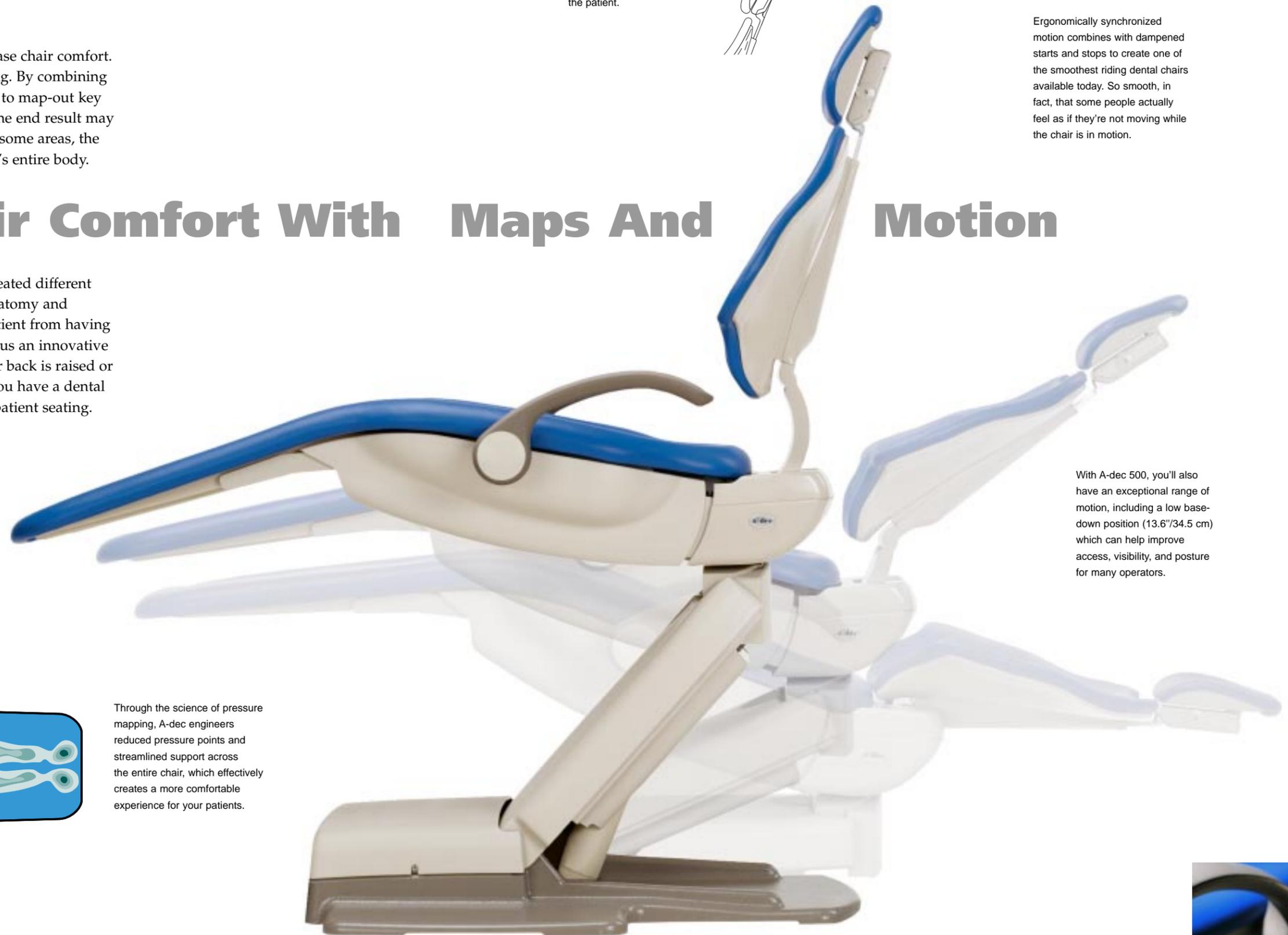
## Increasing Chair Comfort With Maps And Motion

Since motion is just as critical to patient comfort, we also created different ways to synchronize the movement of the chair with the anatomy and motion of the patient. Like a virtual pivot that keeps the patient from having to "readjust" when the chair seat and back are in motion. Plus an innovative headrest that actually glides with the patient while the chair back is raised or lowered. Combine these with gentle starts and stops, and you have a dental chair that offers one of the smoothest rides ever created in patient seating.

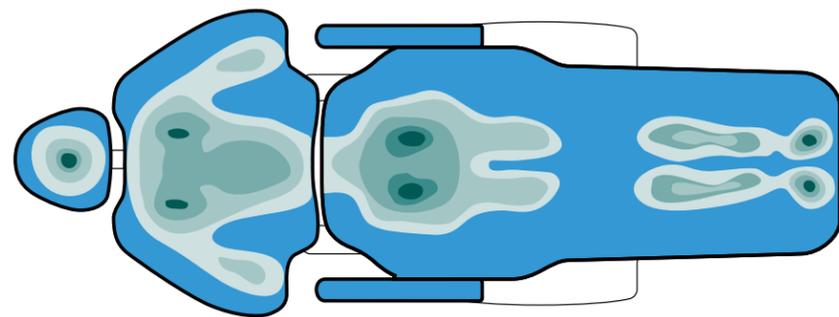
When the chair back is raised or lowered, the innovative gliding headrest automatically follows the motion of the patient—which means fewer adjustments for the operator and more comfort for the patient.



Ergonomically synchronized motion combines with dampened starts and stops to create one of the smoothest riding dental chairs available today. So smooth, in fact, that some people actually feel as if they're not moving while the chair is in motion.



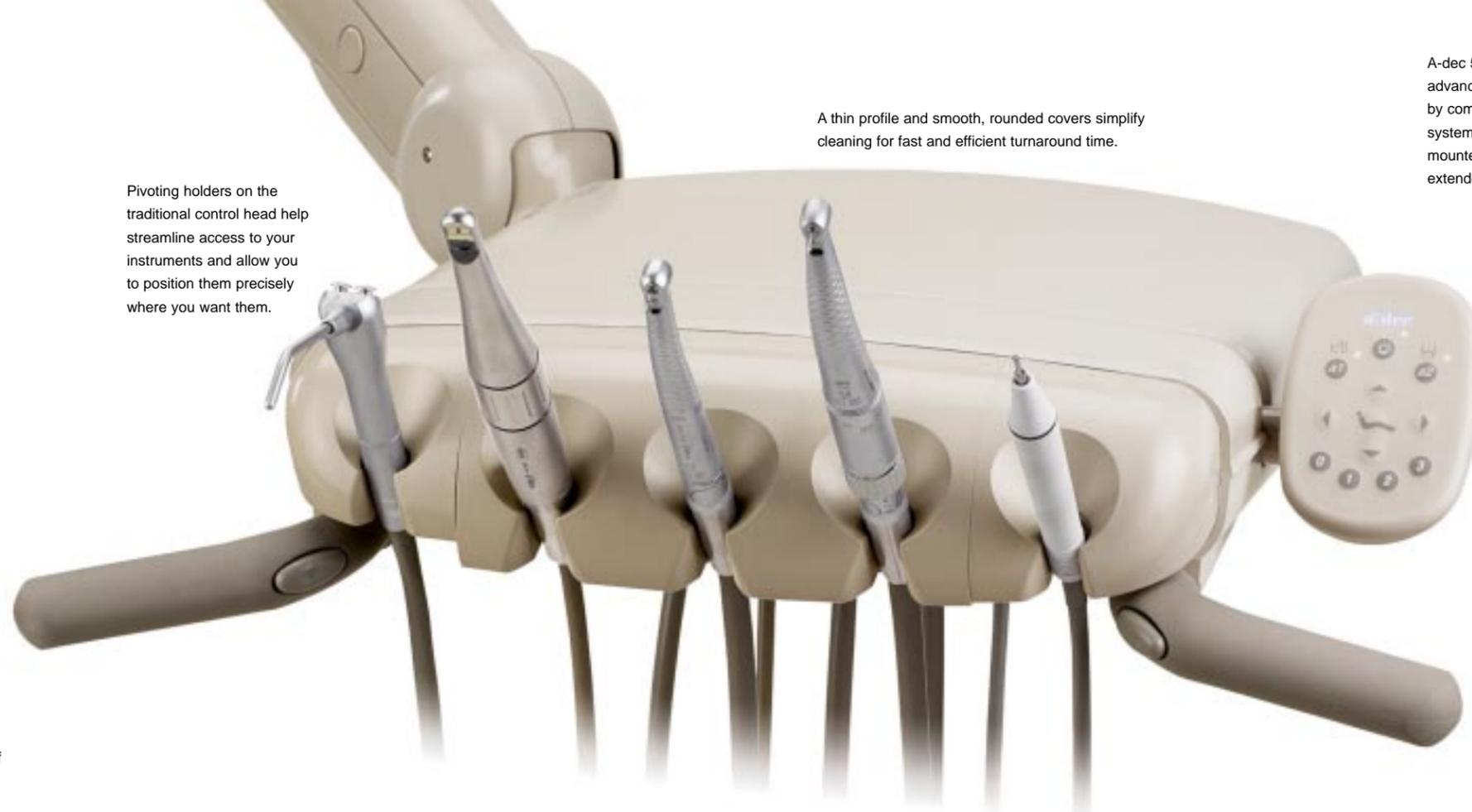
With A-dec 500, you'll also have an exceptional range of motion, including a low base-down position (13.6"/34.5 cm) which can help improve access, visibility, and posture for many operators.



Through the science of pressure mapping, A-dec engineers reduced pressure points and streamlined support across the entire chair, which effectively creates a more comfortable experience for your patients.



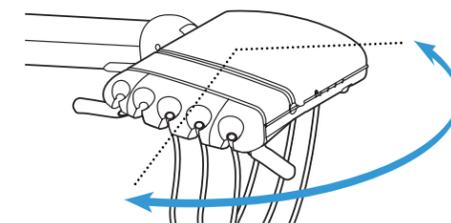
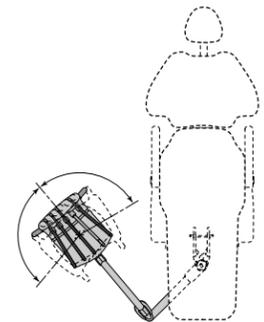
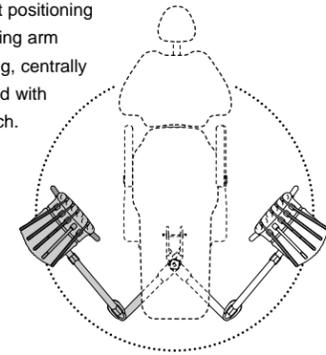
With an extended range of motion, the ergonomic Continental® system can also be positioned to the side of the chair, which is less intimidating for some patients.



Pivoting holders on the traditional control head help streamline access to your instruments and allow you to position them precisely where you want them.

A thin profile and smooth, rounded covers simplify cleaning for fast and efficient turnaround time.

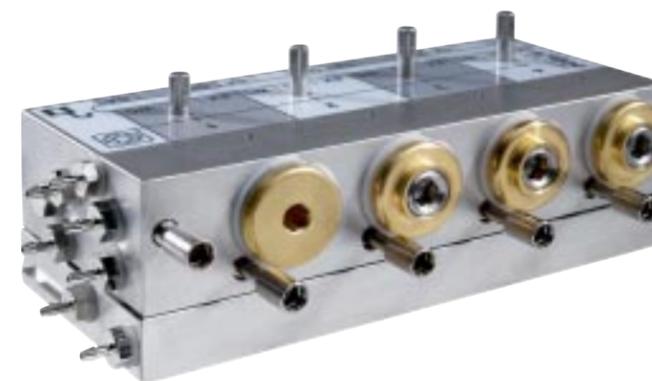
A-dec 500 provides you with advanced instrument positioning by combining a rotating arm system and a pivoting, centrally mounted control head with extended tubing reach.



## Delivering Better Ergonomics And Reliability

A-dec 500 series delivery systems are designed to provide better ergonomics and more flexibility than any other delivery system available today. A pivoting, centrally mounted control head, extended tubing reach, and a delivery arm that rotates around the chair combine to offer you an incredible range of motion. So much, in fact, the Continental can be positioned for both side and transthorax delivery. Add flexible silicone handpiece tubing, and you have a system that even helps minimize wrist strain.

These controls are also designed to deliver reliability. The touchpads and electronics, for instance, rely on a data communication system which already has a proven history in the automobile industry. This simple system uses standard 6-wire phone cord and a series of small, independent circuit boards, so it minimizes the potential for high repair costs. Plus, it provides a number of other benefits, including faster installation, built-in diagnostics, and the ability to easily accommodate future upgrades.

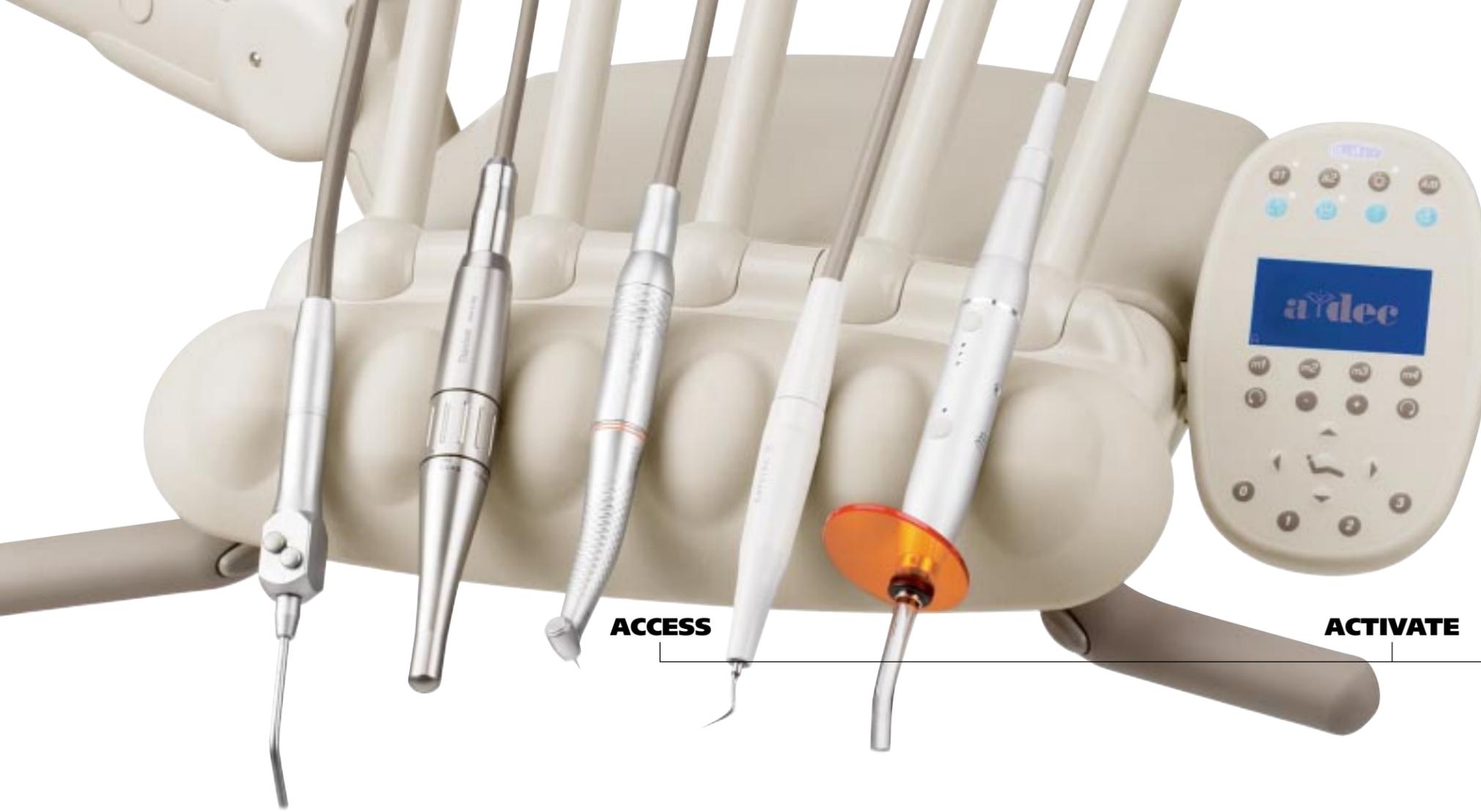


At the heart of each A-dec 500 delivery system is one of the industry's most reliable air-driven components: the A-dec control block. Backed by over 35 years of design innovations from A-dec, this block is the simplest yet. With fewer parts, stronger corrosion-resistant materials, a flow-through water system, and quick-connect fittings, it's designed to offer trouble-free performance—for the life of the equipment.



The standard touchpad controls chair, cuspidor, and dental light functions. Two optional accessory functions (a1, a2) are available on systems without a cuspidor.





To help you stay focused on your work, the A-dec 500 deluxe touchpad works in conjunction with other key elements, like the foot control. Which is why we've added several new features to this basic component. You'll quickly discover one with an integrated A-dec intraoral camera. In this case, the foot control doubles as a camera footswitch by allowing you to quickly capture an image and toggle between various viewing modes. This simple new feature can eliminate the need for another footswitch, so you'll have less clutter on the floor and more freedom to focus on the procedure.



**ACCESS**

**ACTIVATE**

**OPERATE**



The deluxe touchpad displays status, adjustments, and other functions once an instrument is removed from the holder.

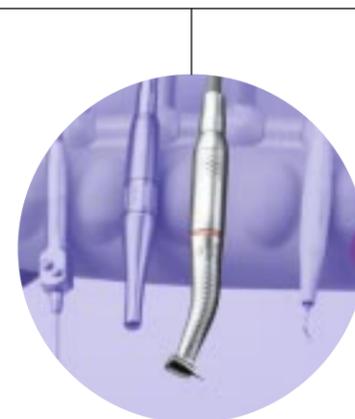
## Integrating New Technology For Today And Tomorrow

When it comes to integrating technology into the delivery system, A-dec 500 is highly flexible. There's room inside the control head to house modules for an intraoral camera, two electric micromotors, scaler, and curing light—all at the same time. There's also a unique, slotted platform that accommodates most manufacturer's mounting hardware (without modification) and an innovative data communication system for device control. So with A-dec 500, you can choose what you want today, and have the ability to easily upgrade in the future.

On the outside, there's an option that expands functionality even further: the deluxe touchpad. This streamlined control not only provides one touch surface for chair, dental light, and cuspidor functions, it also serves as a convenient command center for controlling your handpieces, integrated accessories, and a number of other electrical devices. It even offers separate programming for two operators.



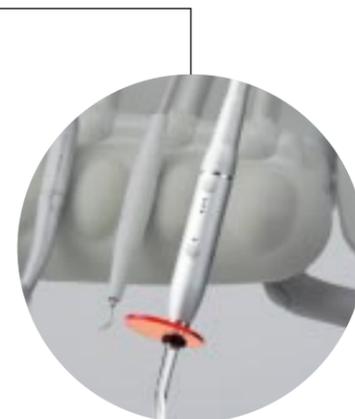
A-dec Intraoral Camera



A-dec Electric Micromotor



EMS or Satelec® Scaler



Satelec Curing Light



The short assistant's arm offers four adjustable pivot points to improve assistant's instrumentation positioning. This configuration includes a secondary holder, a convenient option that allows for more customization.

For even more flexibility, choose the long assistant's arm, which features an extended reach and five adjustable pivot points, including height adjustment.

Both assistant's arms offer an exceptional range of motion for nearly unlimited positioning on either side of the chair.

The integrated assistant's touch-pad provides secondary control of chair, dental light, and cuspidor (or accessory) functions, while serving as a sturdy handle for positioning the arm.

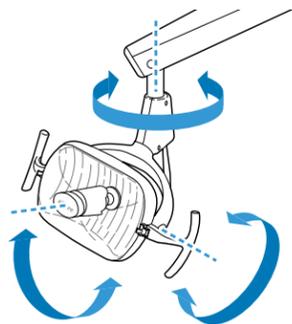
Assistant's arm holders rotate as a group and pivot independently, further customizing instrument positioning.

## Support System Choices For Greater Efficiency

In terms of support systems, A-dec 500 offers more choices and better positioning than ever before. With the long assistant's arm, for example, it's like having an extra set of hands to deliver instrumentation. This innovative arm uses five adjustable pivot points to articulate both vertically and horizontally—which includes rotating instrument holders that pivot independently. The result is an extensive range of motion and practically unlimited positioning for vacuum instruments, syringe, and integrated accessories like a curing light. And with instrumentation right where you need it, you and your team can also enjoy greater efficiency.

The 4-position holder with dual HVE option, shown here, is just one of many configurations available for assistant's instrumentation.

The stylish A-dec 500 cuspidor is made of stain-resistant vitreous china and features a smooth, flowing design that helps simplify cleaning. It also rotates 180° and includes timed cup fill and bowl rinse functions, both of which are programmable at the touchpad.



Three rotational axes and a proven counter-balanced flexarm combine to provide you with exceptionally smooth and precise dental light positioning.



The A-dec 500 dental light provides a neutral daylight color temperature for consistent color matching and a convenient "composite" setting that allows for more time while working with composites.

A-dec 500 series touchpads offer you remote control of the dental light, which includes On/Off and the ability to switch between two intensity settings.



Both monitor mounts swivel at least 360° and pivot ±30° vertically, so you and your team have an exceptional range of motion to better position the monitor.



## Clearer View

With A-dec 500, you have two ways to improve monitor positioning: a support-side mount or a front mount. Both allow you the freedom to choose your own monitor. Yet each one has its own distinct advantages. The support-side mount delivers your monitor closer to the patient, so it makes an excellent choice for enhanced patient entertainment, consultations during procedures, as well as utilizing practice management software. The front monitor mount uses the delivery system mounting location, so it's a good solution for consultation rooms or rooms with instrumentation at 12 o'clock. Both choices provide an exceptional range of motion. So no matter which one you choose, you and your team can maximize functionality, ergonomics, and have a better view—all at the same time.



The support-side monitor mount brings the monitor over the patient, so it provides exceptional positioning for patient education and entertainment. It also offers you the convenience of patient consultation during a procedure without having to change position.

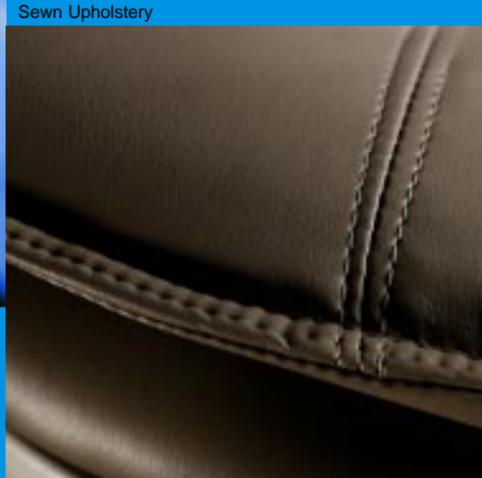


To enhance the marketing of your services, you can choose a front-mount location for your monitor, which provides an ideal solution for intraoral camera consultation, hygiene, and digital x-ray diagnosis.

# CHAIR



Seamless Upholstery



Sewn Upholstery



The A-dec 500 chair offers you two styles of upholstery: seamless and sewn. You can choose from a total of 24 standard colors.

# DELIVERY



Continental with deluxe touchpad



Traditional with standard touchpad and standard tray holder



Front Monitor Mount

A-dec 500 series delivery systems mount to the front of the chair and are available in two styles: Continental and traditional. Both offer tray holders, as well as other options. You can also choose a front monitor mount in place of a delivery system.

# More Choices Than Ever Before

A-dec 500 clearly answers one of the top concerns for dentists around the world: the need for more choices. In fact, the product line was specifically designed to accommodate more working styles than any other system available today. Yet, at the same time, A-dec 500 offers a simplified structure with many built-in options—so selecting the best choices for your practice can be a quick and easy process.

# SUPPORT



Cuspidor



Dental Light



Short Assistant's Arm with dual holders



Long Assistant's Arm



Support-Side Monitor Mount with large tray holder

Support modules, which mount to the back or side of the chair, include cuspidor, dental light, choice of two assistant's arms, support-side monitor mount, amalgam separator housing, as well as a long list of customizations.



# Innovative Choices Designed To Meet Your Specific Needs

Assistant's instrumentation is delivered from the back of the chair and offers a choice between two arms, both of which feature an integrated touchpad and single or dual holders.

The dental light, cuspidor, and other support modules can be rotated to either side of the chair.



The self-contained water bottle can be installed on the delivery arm or inside the support center.

Choices offer more value if they provide your team with flexibility and efficiency at the same time. Which is why you'll find a logical reason behind the location of every module in the A-dec 500 series. Delivery systems are mounted off the front of the chair to offer left/right flexibility and a greater range of motion for exceptional positioning. Assistant's instrumentation rotates around the back of the chair to provide enhanced ergonomics for both 2-handed and 4-handed dentistry. And for added flexibility, a heavy-duty lower support arm allows you to easily rotate the cuspidor, dental light, and support-side monitor mount to either side of the chair.

Tray holders are available in two different sizes and offer four different mounting locations on the delivery system (top right or left, bottom right or left).

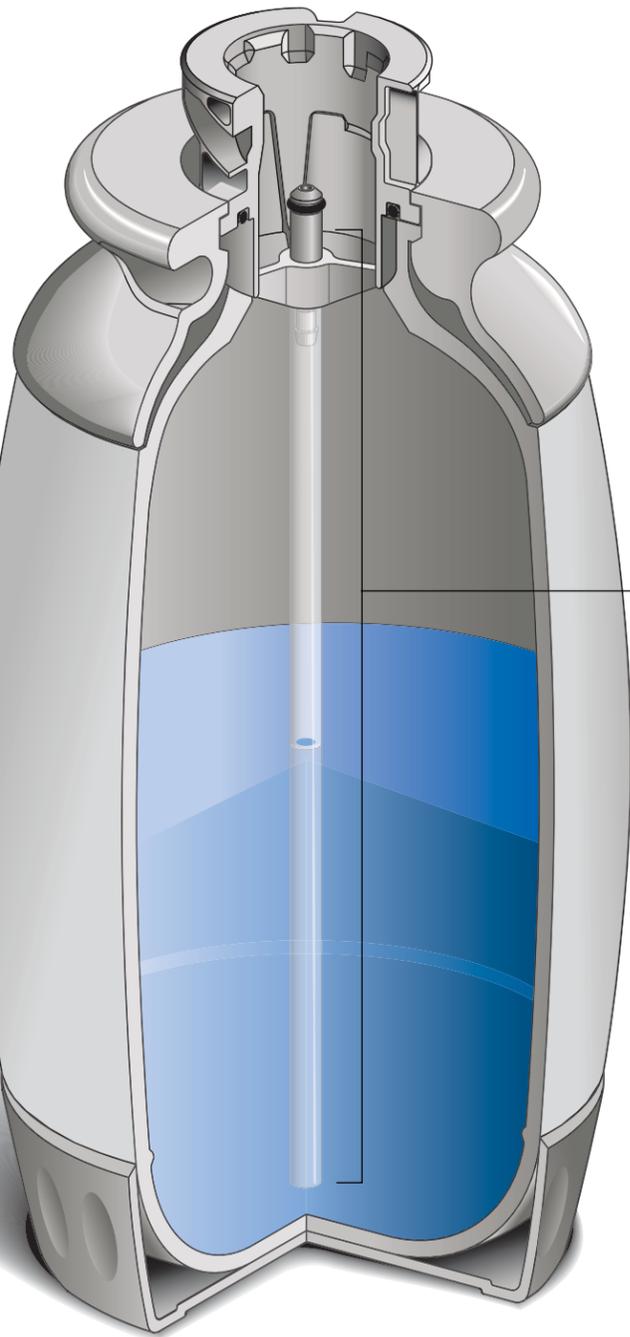
The chair's multi-position armrests rotate out of the way (or can be removed) to improve operator access.

This optional housing accommodates Cattani, Dürr Dental, and Metasys amalgam separators.

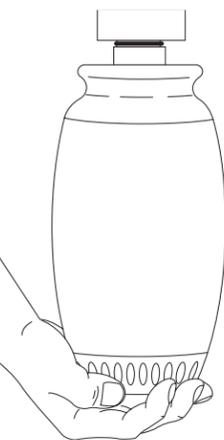


Depending upon your needs, you can choose a standard or deluxe touchpad, which offer convenient control of chair, cuspidor, dental light, and other functions.





The new water bottle design includes an integrated pickup tube, which helps reduce the risk of cross-contamination.



With the quick-disconnect feature, it takes only a 1/4 turn to install and remove the bottle.



The A-dec 500 self-contained water bottle offers two mounting locations: on the delivery arm or inside the support center. The support center features a removable panel, so you also have the choice of displaying the bottle in that location.

## Peace Of Mind For Patient & Practice

By combining an innovative 2-liter water bottle, a new control block design that eliminates standing water, and a new revolutionary waterline treatment tablet, A-dec 500 is poised to radically simplify dental unit waterline maintenance. The bottle alone is designed to make the process much simpler. Unlike other 2-liter bottles, it offers a shorter, rounder shape that's more durable and can be filled in most treatment room sinks. The bottle includes an integrated pickup tube to reduce cross-contamination, plus a quick-disconnect fitting that makes the bottle easier to remove and replace. There are also two possible mounting locations, so you can choose whether to display the water bottle or keep it hidden from view.

Backed by four decades of infection control innovations from A-dec, the new A-dec ICX™ waterline treatment tablet is another great leap forward. ICX offers you a unique and effective way to maintain clean dental unit waterlines. First of all, it's incredibly easy to use. Simply add one tablet to an empty self-contained water bottle before each filling. As the tablet dissolves, it releases ingredients into the water which help prevent the build up of deposits and contaminants. Measuring or mixing is not required—the effervescent ICX tablet does the work for you.\*

Best of all, ICX continues working in the system with each treatment. This protects the waterlines from further contamination and reduces (or may even eliminate) the need for frequent shock treatments. And since the concentration of ingredients in the water remains very low, ICX won't harm your team, your equipment, or your patients. So with ICX, you can have peace of mind knowing that your waterline maintenance protocol is not only easy and effective, but also safe.



Available for 0.7-liter and 2-liter bottles, ICX waterline treatment tablets come in convenient single-dispensing packets—so there's no measuring, mixing, or messy solutions to cleanup.

\*As with all waterline protocols, quality results require adherence to the manufacturer's recommended process.

