



If people think going to the dentist today is uncomfortable, let them be reminded what it was like in the 1800s when patients sat in normal wooden chairs (without even a headrest!) when undergoing dental work. The reclining, fully adjustable dental chair wasn't born until 1832.¹ The adjustment features were, of course, minor compared to the dental chairs of today, but the benefit to the patient was huge. The evolution of dental chairs has been significant since then and today there are so many options that dental chair shopping, like car shopping, can be intimidating.

As far as dental equipment goes, purchasing a dental chair is one of the, if not *the* most important purchase you will make for your practice. It's important to find the best style and fit for your practice – and the right price. Comfort, functionality, ergonomics, seat contour, aesthetics – these are all important features to consider before you make your decision. You want to make sure whichever chair you purchase is comfortable, reliable and equipped for the long haul. To help guide you in making your next dental chair purchase an informed one, we present to you – in the vein of *Motor Trend* – this “Chair Trends” feature so you can “test drive” what's out there. So sit back, and enjoy the ride!

1. <http://www.parsdental.com/blog/invention-dental-chair>

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A-dec



A-dec 400

Winner of the Best New Product at the American Association of Women Dentists (AAWD), A-dec 400 combines versatility with elegance.

Emphasizing flexibility, access and comfort, A-dec 400 satisfies the need for less complexity and more style at a competitive price point. It's a solution that complements other A-dec product lines, such as A-dec 500 and A-dec 300.

Featuring an ultra-thin backrest, new armrest design and optimized positioning of controls and ancillaries, such as a monitor, light, control, cuspidor and assistant's arm, the system was designed more ergonomically for better access to the patient and improved treatment room proficiency.

The front-mounting location offers flexibility when space is limited, while providing excellent ergonomics for operators who prefer side delivery. Radius delivery and support modules quickly and easily rotate around the chair for complete left and right compatibility. Aside from mounting locations, dentists can choose from three dental light offerings and specify factory-installed ancillaries that can be integrated into the delivery system and prewired for the touchpad controls.

The chair also exceeds industry standards for strength, rated for a 400 lbs maximum patient load. And its unique armrests provide a particularly robust grab point.

Upholstery of the A-dec 400 comes in a number of designer color options and can be covered with sleek seamless upholstery. For more information, visit us.a-dec.com.

> Features

Range of lift height: 13.75" to 31.25" (349mm to 794 mm);
Low point 14.75" (375mm) with dual mounting

Total length at maximum extension: 72" (1829mm)

Thin flexible backrest: 1" (25mm)

Chair swivel: 60 degrees (30 degrees each side of center)

Left/right convertible

Flexible backrest

Double articulating headrest

Integrated 300-watt power supply

Fingertip and foot control

Hydraulic lift system

Upholstery options: sewn or seamless

Monitor mount options: Light, monitor arm

Delivery system compatibility: A-dec 300 Radius-style
Traditional, A-dec 300 Radius-style Continental, A-dec 500
12-o'clock duo, A-dec 500 side

Belmont Equipment

Belmont Quolis 5000 Dental Chair

The Belmont Quolis 5000 chair provides maximum comfort to promote a sense of ease for patients and for operator convenience. Once seated, patients will appreciate the experience of smooth, gentle seat motion as they glide into position for procedures.

A selection of four different upholstery styles are available to fit each practitioner's preference and working style. Standard Quolis upholstery comes with supple Ultraleather – to provide a touch of luxury.

In addition to sleek styling, the chairs incorporate built-in armrest touchpad controls on both sides for operators to conveniently and easily position patients for treatment. The backrest of the chair is thin and designed to permit close operator access to patients.

Quolis chairs utilize a dual articulating headrest for patient positioning flexibility and superb access to upper and lower arches. At the heart of the Quolis chair is the durable Belmont hydraulic system, which is world renowned for simplicity and reliability that you can count on for years to come. For more information, visit www.belmontequip.com.

> Features

Seat positioning system smoothly and gently glides patients into desired treatment position, thereby reducing patient stress and anxiety

Ultra-reliable Belmont electro-hydraulic operating system

Synchronous movement of backrest and seat perfectly fits the patient's natural body motion

Thin, narrow backrest design provides patient comfort and improves operator access to patient oral cavity

Articulating dual axis headrest accommodates the anatomy of each patient

Integrated armrest touchpad chair controls on both the doctor's and the assistant's side of the chair

Chair controls feature a safety lock-out button which prevents accidental activation of seat positioning controls

Controls include manual seat positioning buttons, three programmable position storage and auto return

60° left to right seat rotation can be done with fingertip pressure and is locked/unlocked with a pushbutton mechanism

Safety shut-off plate

Cast aluminum chair base

Armrests swing outward 130°

Ultraleather upholstery from Belmont color chart

Choice of (2) Sling or (2) Wide Backrest upholstery styles

Short pump cover



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DentalEZ Group

NuSimplicity Chair

Whether performing a routine cleaning or more complex surgical procedures, the NuSimplicity patient chair provides accommodating features. The ergonomic design of the NuSimplicity provides unparalleled features that allow the dental professional to freely maneuver while keeping patients calm and relaxed with its comfortable design. The narrow tapered chair back allows the patient to be reclined close to the operator's knees, eliminating problematic reaching and twisting, and providing optimum access to the oral cavity. Moreover, the new base plate design allows closer placement of operator stools to provide superior access to the patient.

Dual location touchpad controls are conveniently located on both sides of the upper backrest providing dental professionals easy access without the need to stretch or reach. Dual touchpad controls come standard with the option to add a wireless foot control, unit-mounted touchpad or remote wireless touchpad.

Optional features such as air glide technology as well as a USB outlet are available. Moreover, an optional oral surgery package is ideal for multiple dental specialties. The base of the NuSimplicity is available in either cast or steel plate design, and a wide variety of upholstery and color combinations to match any office décor. For more information, visit DentalEZ.com.



> Features

Simple chair controls include auto return, last position, three preset controls and manual settings

Durable armrests drop down on both sides allowing easy patient entry and exit

Wide cantilever base design provides easy routing of tubing and wires, while the slim profile provides a clean and uncluttered environment

Quiet, smooth hydraulic movements that help keep the dental professional focused and patients more relaxed

60 degrees of rotation, and height flexibility from 15" to 35.5" to accommodate both sit-down and stand-up dentistry and ensure comfort for dentists of any stature

Ergonomic Products



EP 3 Series

Ergonomic Products is proud to offer the EP 3 Series line of dental chairs. These chairs are equipped with a combination of features unavailable anywhere else in the dental industry: integrated memory foam, Ultraleather, heat and massage, patented self-tensioning sedation and surgical arm slings, as well as front and back traverse. The Ergonomic Products 3 Series Chairs are extremely rugged and durable in their construction and carry an industry leading five-year warranty. For more information, visit www.ergonomic-products.com.

> Features

Memory Foam – Luxurious and comfortable memory foam seat cushions, providing the most comfortable patient experience possible. Eliminates the need of additional padding for patient seating.

Ultraleather – Choose from an extensive palette of soft and luxurious Ultraleather. One of the highest quality polyurethane fabrics on the market.

Built-in Heat and Massage – Blankets are nice but not very hygienic. Why not give patients comfort the easy way, with built in, user controlled, medical grade heat and massage options. Great for sedation and senior citizens!

Traverse Feature – “Bring the patient to you.” Great for dental microscopy, anywhere you need fine control over patient positioning.

Articulating Headrest – Fully adjustable headrest allows for proper head positioning of both very tall and very short patients.

Headphone Integration – Built in 1/8” audio jacks allow for seamless integration of headphones for further patient comfort.

Shoulder Buttons – For quick access to preset positioning, these presets will save hours of positioning time over the course of a year.

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Forest Dental



> Features

Five-year warranty

Designer Friendly: 18 Ultraleather colors, nine powder coat paint colors (two standard); upgrades: option to match chair base to delivery, dual color upholstery, contrasting thread color

Sleek, thin back allows comfortable access to oral cavity

Double articulating headrest for patient comfort

Four touchpad and/or foot control options with four pre-set chair positions

Smooth, quiet, speed-adjustable hydraulic operation to match any style of dentistry

Space-saving arms swing down, not out into treatment room

Optional: soft-touch massager with exclusive built-in pump placing no demand on your compressor

Optional: IV board, pedo wedge and knee pillow for added patient comfort

Memory Comfort Option: Three inches of Aerus memory foam layered atop a five inch base of high density foam, offers support where it's needed most, particularly the lumbar area

Narrow Back Option: for those who prefer more space when working around the patient, available with or without slings, slings are enhanced with a unique stiffening web at the elbow to prevent collapsing

3900 Chair

The 3900 patient chair was a driving force behind Forest's industry-leading growth through the Great Recession. Perhaps the best example of its winning strategies of Affordable Excellence and Designer Friendly, the 3900 Chair is equipped with an aluminum base and back, high-end speed adjustable hydraulics, electronics with four presets, a five-year warranty and unparalleled customization options. Like all Forest equipment, the 3900 is Designer Friendly; with nine glossy, two-coat powder coat paint colors to choose from and 18 Ultraleather upholstery colors, its exclusive customization options will enhance the interior design and perceived value of your practice. Choose from Plush, Seamless, Memory Comfort and Narrow Back with or without slings for the upholstery option that perfectly meets the needs of your style of dentistry.

Upgrades like dual-color upholstery, contrast stitching, a chair base that matches the paint color of your delivery system and a soft-touch massage will truly set you apart from your competition. For 37 years Forest has been in business, and prides itself on putting customers first, providing support long after the purchase has been made. Its customers are quick to report that the money saved with Forest goes a long way toward other practice-enhancing investments. For more information, visit www.forestdental.com

Pelton & Crane

Spirit 3000 Dental Chair (with Narrow Back Advantage)

Pelton & Crane's Narrow Back Advantage puts you in the right position without sacrificing patient comfort. The backrest uses a convex design to help shoulders roll open, while keeping patients of all sizes comfortably supported. Slow release foam and Ultraleather upholstery, coupled with the ErgoSoothe massage system, create a relaxing environment.

Access to the oral cavity defines health for the entire dental team. A wide back dental chair can prevent proper positioning, which can result in Class IV and V movements. When a patient is positioned incorrectly, the clinician has to bend at the lower back, and elevate and rotate their shoulders. Having the right equipment is a critical part of maintaining proper positioning. Pelton & Crane's narrow chair back allows the clinician to gain access to the oral cavity while maintaining an ergonomically correct posture and staying within healthy motion ranges.

Oral cavity access in ergonomically correct positions decreases the risk of musculoskeletal disease, protecting the long-term health of dental clinicians. Discomfort, lower productivity, missed days of work and patient dissatisfaction are all potential issues caused by prolonged improper positioning.

Musculoskeletal Disorders (MSDs) can affect the body's muscles, joints, tendons, ligaments, bones and nerves, which can result in many health and production issues. Excessive and repeated physical stress on the musculoskeletal system, including the fingers, wrists, shoulders, neck and back, can all contribute to MSDs. Pelton & Crane chairs are designed to help mitigate the leading factors contributing to MSDs. The backrest design and dual articulating headrest allow superior access to the oral cavity, while keeping patients of all sizes comfortably supported. For more information, visit www.pelton.net.

> Features

Narrow back: 11.5" at the shoulders, 15" midline of the chair

Convex Shape: allows the patient's shoulders to fall back and chin to come up, opening up the airways for relaxed breathing and enabling easier oral cavity access for the clinician

Dual-Articulating Headrest: allows the clinician to easily manipulate the patient for better visual access to the different quadrants within the oral cavity

Around Not Under: proper positioning and access start by being able to work around the chair, not under the chair

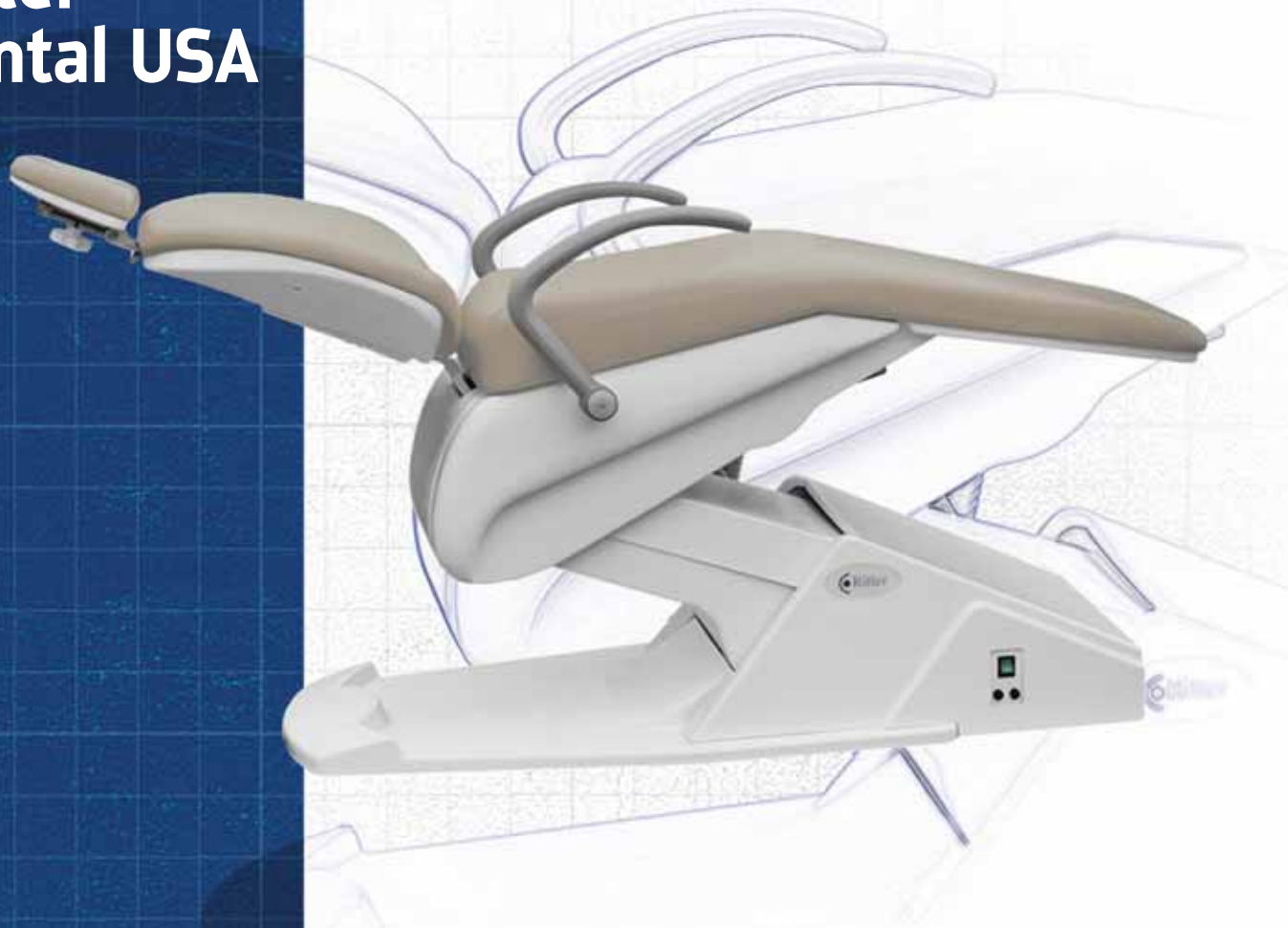
Straight Not Twisted: achieving an optimal focal distance (16-19") allows the clinician to gain visual access to the oral cavity without having to bend or twist the spine

Patient Comfort: superior patient comfort features; ErgoSoothe massage technology, memory foam, ultraleather upholstery and convex back design.



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Ritter Dental USA



The Ritter Superior Patient Chair

Based in San Antonio, Texas, Ritter Dental USA is the sister company of Ritter Concept GmbH, which is headquartered in Germany, and designs and manufactures world-class dental equipment that includes dental units, instruments, dental implants and dental chairs such as The Superior model.

Like all Ritter patient chairs, The Superior is manufactured in Germany under the strictest quality standards that have been in place at Ritter for more than 125 years. This chair features silent operation, three programmable position settings, an auto-return function, several security switches and more. Quick delivery and installation are available. For more information, visit RitterDentalUSA.com.

> Features

- Industry-leading 10-year warranty
- Silent 24V linear actuator
- Synchronized seat tilting with backrest inclination
- Dual armrest, right side movable
- Double articulating contoured headrest
- Standard upgraded seamless upholstery
- Trendelenburg positioning
- Upgraded lift motors (500 lbs. weight capacity)
- Color-matched upholstery available in eight colors
- Zero percent financing available

Ross Orthodontic

Matador Chair

The fully upholstered design eliminates exposed hinges and niches to provide easy cleaning and wipe down between patients. The multi-layer foam rubber cushions and lumbar support conform to each individual patient, enhancing patient comfort. The adjustable grooved headrest extends 5 inches for taller patients. Extra thin back allows for unobstructed access to the field of operation. A welded steel frame is the integral component of all the chair's motion; this removes stress from all patient load-bearing parts. Automatic return and foot controls allow for hands-off patient dismissal and operation. Available on an over- or under-flooring base as well as manual or power base options, all with base mounted foot controls. Chair measures 69 inches by 24 inches in the reclined position. For more information, visit www.rossorthodontic.com.



> Features

- Fully upholstered
- No exposed hinges
- Multiple layers of foam cushioning
- Adjustable headrest
- Extra thin back
- Welded steel frame
- Automatic return
- Foot controlled

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Royal Dental Mfg, Inc.



> Features

- Low chair base (13.5" seat height)
- Hydraulic drive
- 60-degree rotation
- All metal frame
- Synchronized seat tilt
- Solid state electronics
- Removable swing-out arm rests
- Dual integrated touch pads
- Automatic positions – four programmable positions
- Last position memory
- Magnetic headrest
- Internal umbilical chase for unit
- Replaceable upholstery

The Royal Alliant

The Royal Alliant chair is designed for patient comfort but more importantly the comfort of the dentist. With the rapidly changing demographic of the dental profession toward more female dentists, the traditional design of the dental chair could change. Royal has responded to this challenge with these ergonomic principles in mind. The Alliant chair is narrow at the shoulders, has a thin headrest and a chair base that will go to a lowest position of 13.5 inches from the floor to the seat. The magnetic headrest pillow allows the operator to articulate all areas of the oral cavity effectively without the additional thickness of a double articulating headrest. The dual touchpad controls eliminate the need for a foot switch on the floor and the microprocessor electronics provides four auto program positions as well as last position memory for easy positioning of the patient. The chair can be made even slimmer by selecting the optional slim chair back with slings. For more information, visit www.royaldentalgroup.com. ■