Empowering you to do your best.

We believe in moving the dental community forward.
We believe that simplicity is elegant, knowledge is imperative, and deep understanding is the foundation of all we do.
We believe in innovation. Work-life comfort. And the right to excess energy at the end of the day.
At A-dec, we believe in empowering dentists to focus on what truly matters: your patients.
EXPERIENCE THE NEW A-DEC 500.

A legend, redefined.

In a world of complex technology and noise, we bring you intelligent simplicity and infallible peace of mind. Designed to function holistically and intuitively, the new A-dec 500 quietly slips into the background, reacting to your every move, without pause. Experience the next level A-dec 500.

OPTIMAL ACCESS Get in close and position everything you need within reach.

FLEXIBLE INTEGRATION What you need today, with a flexible design that lets you configure the clinical instruments you choose.

INTELLIGENT CONTROL Customizable and easy to navigate. Add additional instruments now or later. You’re in control.

SUPERIOR CARE Comfort and stability add up to a superior patient experience.
EXPERIENCE
OPTIMAL ACCESS.

Perfect proximity.

Everything you need is easy to position and comfortably within reach. Close in to your patient, your posture is healthy, your view is clear, and your reach is minimal. It’s amazing how time flies when you’re comfortable.
EFFORTLESS ADJUSTMENTS.

The freedom to focus.
It's true. You can activate, deactivate, position and place your instruments without looking away from your procedure, and without a conscious thought. We've worked hard to keep the equipment and technology simple to maintain your confidence in front of patients.

POSITIVE POSITIONING Smoothly and precisely situate the delivery where you want it, and count on it to stay.
ONE-HANDED ADJUSTMENTS Effortlessly position the delivery system with one hand—or finger if you'll like.
AMBIDEXTROUS DELIVERY Go from left- to right-handed delivery in seconds. The centrally located handle and screen are reachable and visible from either side.

DELUXE PLUS TOUCHPAD Dynamically displays only the function you are in, for uncomplicated ease of use.
AUTOMATIC BRAKING Grasp the handle and the flexarm brake automatically releases. We call it capacative activation, but you'll just call it effortless.

OPTIMAL ACCESS
A-dec 500 system
REMOVABLE TRAY HOLDER

Integrated, stackable, customizable tray holds everything you need, while making smart use of operatory space.

POSITIONABLE DELUXE PLUS TOUCHPAD

The screen tilts and the arm rotates for precise viewing from multiple angles. Since you can move the delivery system arm for right- or left-handed operators, you get optimal visibility from either side of the control head.

EXTENDED REACH TUBING

Longer instrument tubing reduces in-procedure resistance and fatigue. (Available on the A-dec Continental®)

POSITIONING WITHOUT COMPROMISE.

THIN FLEXIBLE BACK

A-dec’s signature ultra-thin back and headrest allow you to work in a comfortable position—legs under your patient, elbows at your side.

PERFECT POSITION HEADREST

Access angles can make the difference between a long day and a good day. The A-dec 500 headrest adjusts on the fly with the press of a lever, so you maintain an optimal view of the oral cavity at all times.

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EXPERIENCE
FLEXIBLE INTEGRATION.

Forward-thinking design.
A-dec products are engineered to last, but technology is ever-changing. With a flexible, forward-thinking design, the A-dec 500 perfects your practice today—and grows with it tomorrow.
I love this delivery system! It moves effortlessly, feels weightless in my hand, and the integrated technology makes it efficient and easy to use.

MEGAN NEVILLS, DMD
ALOHA, OR

We worked diligently to ensure that the new A-dec 500 delivery system integrates with most clinical devices, so you can work with the instruments you choose. Even if your future practice goals evolve, you have the option to reconfigure your delivery and embrace new capabilities.

CUSTOMIZABLE PLACEMENT With six positions on the control head, you can integrate practically any combination you dream up: from cameras and scalers to curing lights and electric motors.

ADJUSTABLE HANDPIECE HOLDERS Each position is movable, so you can tilt the handpieces downward to easily grip when in use, and return upright for safety when they’re not.

SKILLFUL MOVEMENTS.

FLEXIBLE INTEGRATION
A-dec 500 system
ADJUSTABLE BUR SPEED BETWEEN 60,000 AND 320,000 RPM

AWARDED 2018 NATIONAL STATE PRIZE FOR INNOVATION (AUSTRIA)

*Optional upgrade. Burs sold separately.

ONE HANDPIECE, MULTIPLE APPLICATIONS

Primea™ Advanced Air® from W&H® is the world’s first air-driven, high-speed handpiece with an adjustable bur speed and constant removal rate—even with increasing pressure. Integrated with the A-dec 500®, this award-winning new technology is compact and lightweight, yet powerful and precise. A sensor in the handpiece head constantly measures the rotation speed of the bur on the tooth, immediately adjusting the air supply to maintain maximum treatment efficacy at all times. With one handpiece, you can efficiently achieve a complete high-speed range of procedures, opening new possibilities for your practice. Who says perfection isn’t achievable?

Powerful as electric. Light as air.

PRACTICE PERFECT.

Combines the cutting efficiency and control of electric with the tactile feedback of air.

MICHAEL VAN GORDON, DMD PC
ST. HELENS, OR

FLEXIBLE INTEGRATION A-dec 500 system

FINISHING

AMALGAM RESTORATION REMOVAL

ALL CERAMIC RESTORATION REMOVAL

CROWN AND BRIDGE CUTTING

COMPOSITE RESTORATION REMOVAL

CROWN AND CAVITY PREP

COMBINES THE CUTTING EFFICIENCY AND CONTROL OF ELECTRIC WITH THE TACTILE FEEDBACK OF AIR.
EXPERIENCE INTELLIGENT CONTROL.

Predictable and intuitive.

It’s unspoken, but you feel it. That “at ease” reassurance of knowing that your equipment is predictable, responsive and intuitive, complementing your every skillful movement. So, you can focus on what matters most: your patient.
Unassumingly responsive.

Built in details and holistic control let you seamlessly access, activate and deactivate your clinical instruments and devices without giving it a conscious thought. The equipment disappears, in essence, allowing you to focus on dentistry.

**INTELLIGENT SCREEN**
Visual, iconic controls display only the settings you need.

**AUTOMATED ACTIVATION**
Screen readout activates when you pick up your instrument.

**LED COOLANT INDICATOR**
Lights up when a handpiece is lifted out of the holder, so you can make adjustments without second-guessing.

**DUAL OPERATOR SETTINGS**
Access your personalized settings on shared equipment with a single touch.
MODERN SIMPLICITY.

Uncluttered and uncomplicated.

New Deluxe Plus touchpad minimizes the extraneous and dynamically displays only what you need, when you need it, based on the procedure or task at hand. The familiar soft touch activating glass touchpad is easy to sanitize, too. Clean and simple.

A/B USER SETTING
Programmable settings are available for two users (designated as A and B).

WATER COOLANT
Activate on/off from screen or foot control. The delivery system light shows your handpiece position.

INSTRUMENT MEMORY SETTINGS
Set specific bur speeds on Advanced Air handpieces. Use these memory presets for your other compatible instruments, too.

HANDPIECE MODE
Advanced Air or basic? Easily switch between handpiece operating modes.

INTELLIGENT CONTROL
A-dec 500 system
EXPERIENCE
SUPERIOR CARE

Sleek, yet supportive.

Gentle, supportive comfort puts your patients at ease for a positive experience that sets you apart.
CONSISTENT COMFORT.

Whole body support.

Is comfort a feeling or a science? It’s both. By reducing pressure points and streamlining support through scientific pressure mapping, the A-dec 500 ensures patient comfort during procedures. And when your patient is relaxed, so are you.

**DOUBLE-ARTICULATING GLIDING HEADREST** Adjust to your patient for consistent support.

**SLEEK BACKREST** There is a purpose behind the flexible thin back. The stingray shape reflects the anatomy of the patient’s body, offering full support while leaving you space to move in close.

**SECURE ARMRESTS** Support patient weight when they need it, and move out of the way when they don’t.

**TOEBOARD TILT** When the chair reclines, the toeboard imperceptibly raises a full 9” for a gentle cradling effect. All your patient feels is relaxed.

SUPERIOR CARE

A-dec 500 system
INCREASED WEIGHT CAPACITY UP TO 500 POUNDS (227 KG)

ACCOMMODATES A WIDE RANGE OF PATIENT SIZES

GENTLE START/STOP
Precision hydraulic motion allows quiet, gentle starts and stops during patient positioning, eliminating anxiety from jarring movements. Coupled with the virtual pivot, which synchronizes movement with the natural motion of the patient, there's no readjusting when the chair is reclined or returned.

INSTANT COMFORT
Getting comfortable in the chair isn't the patient's responsibility. It's ours. So we designed it to support your patient's entire body from the moment they sit down.

POSITION WITH PURPOSE
Four adjustable points of rotation on the headrest support your patient from any angle.

BALANCED STABILITY
Arms balance tubing weight so you can effortlessly move handpieces without tugging or fatiguing your wrists.

GENTLE START/STOP
Sturdy multi-position armrests solidly support patients during entry and exit.

RIGID STRUCTURE
Solid structure reduces movement-related vibrations for you and your patient.

POSITION WITH PURPOSE
Solid structure reduces movement-related vibrations for you and your patient.

EASY IN/OUT
Sturdy multi-position armrests solidly support patients during entry and exit.

CENTRALLY LOCATED AMBIDEXTROUS DELIVERY SYSTEM HANDLE & SCREEN

SUPERIOR CARE
A-dec 500 system

ACCOMMODATES A WIDE RANGE OF PATIENT SIZES

INCREASED WEIGHT CAPACITY UP TO 500 POUNDS (227 KG)

CENTRALLY LOCATED AMBIDEXTROUS DELIVERY SYSTEM HANDLE & SCREEN

SUPERIOR CARE
A-dec 500 system
MAKE IT YOURS.

Tailored individuality.

Color and style, delivery options, foot controls and instruments. You deserve to work your way, right down to the last stitch. At A-dec, we believe in choice.
Delivery options for the way you practice.

There are three sides to this equation you, your dental team, and your patients. A-dec gives you options to choose a setup that works the way you do, while offering comfort and reassurance for your patients. Isn’t that what we all want?
Formed colors

Contrast stitching comes standard with sewn upholstery.

Seven colors

Sewn upholstery

Contrast stitching comes standard with sewn upholstery.

Formed upholstery

Contrast stitching comes standard with sewn upholstery.
We believe in choice.

Since no two doctors are exactly the same, our equipment options let you customize the most efficient setup for you and your team.

FLEXIBLE OPTIONS.
### A-dec 482 Monitor Mounts

- **Base height range:** Range: 12” (305 mm), 14” (366 mm) with A-dec 500 dual post mount, High: 31” (790 mm)
- **Backrest:** Backrest: 45° (25 mm) flexible backrest* (*Based on formed upholstery)
- **Headrest:** Headrest: Anti-sliding sliding headrest, lever release
- **Arms:** 2-position arms
- **Height:** 46” (1168 mm) each
- **Power:** 180 watts
- **Chair control:** Auto/pilot via delivery system or foot switch
- **LED lighting:** Soft touch micro hydraulic driver
- **Headrest:** Radius filler height dedicated left or right post mount
- **Upholstery options:** Same or different
- **UL load rating:** UL rated to 500 lb (227 kg) maximum patient load (load rating is based on UL requirement of 4X (2000 lb/907 kg) overload static testing)

### A-dec 511 Dental Chair

- **Base height range:** Low point: 13.5” (343 mm), 14.5” (368 mm) with A-dec 300 dual mount. High point: 31.5” (800 mm)
- **Backrest:** Ultra-thin 1” (25 mm) flexible backrest* (*Based on formed upholstery)
- **Headrest:** Dual-articulating gliding headrest, lever release
- **Arms:** 2-position armrests
- **Chair swivel:** 60° (30° each side of center)
- **Power supply:** 300-watt
- **Chair control:** Touchpad on delivery system or foot switch
- **Lift system:** Soft start/stop hydraulic drive
- **Mount style:** Radius left/right Dedicated left or right post mount
- **Upholstery options:** Same or different
- **UL load rating:** As tested to 580 lbs (263 kg) maximum patient load (based on the requirement of 4X (2000 lb/907 kg) overload static testing)

### A-dec 500 LED Dental Light

- **Color temperature:** 5,000K
- **Light pattern:** 3.8” x 5.7” at 27.6” focal distance (95 mm x 145 mm at 700 mm)
- **Light intensity (mode selection):** Low: 15,000 lux (1394 fc) Medium: 25,000 lux (2323 fc) High: 30,000 lux (2787 fc) Cure-safe: 23,000 lux (2137 fc) yellow light
- **BTUs per hour:** 77
- **Power consumption:** 22-watt
- **Light control:** Touchpad, local control, or automatic on/off via chair preset
- **Light source life expectancy:** >40,000 hours

### Delivery Systems

- **A-dec 500 System**
  - **Models:** A-dec 522 Traditional, A-dec 532 Continental
  - **Mounts:** A-dec 511 12 O’Clock
  - **Option:** Standard Option
  - **Option:** Standard Option
  - **Tissue cap:** Deluxe
  - **Pacemate:** Standard
  - **Safety heald connector:** No
  - **Handheld NCV probes:** Traditional, 5 - syringe Continental, 5 - syringe
  - **Water system:** Water syringe
  - **Handpiece holder:** Silicone
  - **Arm system:** Warm water syringe
  - **Handpiece options:** A-dec 511
  - **Wheel handles:** None
  - **Water systems:** 2-liter bottle
  - **Incorporation:** Touchpad, local control, or automatic on/off via chair preset
  - **Vacuum instruments:** 1 x saliva ejector (SE), 1 x high volume evacuation (HVE)
  - **Vacuum tubing:** EasyFlex tubing
  - **Positioning:** Horizontal adjustment, Vertical and horizontal adjustments
  - **Vacuum tubing:** EasyFlex tubing

### Assistant's Instruments

- **A-dec 500 System**
  - **A-dec 551 Assistant's Instrumentation**
    - **Air/water syringe:** Quick-disconnect (QD) syringe
    - **Touchpad:** Standard touchpad
    - **Vacuum instruments:** 1 x saliva ejector (SE)
    - **Vacuum tubing:** EasyFlex tubing

### Specifications and Details

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  - **Tissue cap:** Deluxe
  - **Pacemate:** Standard
  - **Safety heald connector:** No
  - **Handheld NCV probes:** Traditional, 5 - syringe Continental, 5 - syringe
  - **Water system:** Water syringe
  - **Handpiece holder:** Silicone
  - **Arm system:** Warm water syringe
  - **Handpiece options:** A-dec 511
  - **Wheel handles:** None
  - **Water systems:** 2-liter bottle
  - **Incorporation:** Touchpad, local control, or automatic on/off via chair preset
  - **Vacuum instruments:** 1 x saliva ejector (SE), 1 x high volume evacuation (HVE)
  - **Vacuum tubing:** EasyFlex tubing
  - **Positioning:** Horizontal adjustment, Vertical and horizontal adjustments
  - **Vacuum tubing:** EasyFlex tubing