Today, over 115 years after its inception, Pelton & Crane still maintains Dr. Pelton's dedication to quality and innovation. We provide the broadest selection of operatory equipment in the industry and many programs that benefit our customers both short and long term to support them throughout their entire dental career.
OUR PORTFOLIO

We are proud to offer the broadest choice in operatory equipment solutions for every stage of your dental career. Our Pelton & Crane brand now offers entry-level operatory packages in addition to our more premium solutions. Whether you’re just getting started or building your dream practice, we have a fit for you.

OUR PROMISE

At Pelton & Crane, we know that investing in new operatory equipment is a big decision. We are committed to your 100% satisfaction with our products. If you’re not satisfied with your new purchase within the first 100 days, we’ll work with you to make sure you are. It’s that simple.
pelton & crane's narrow chair back design enables oral cavity access in an ideal ergonomic position for you, while keeping your patients comfortably supported. pelton & crane reflects the quality of care that you strive to deliver.
ACCESS DEFINES HEALTH

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 4 and 5 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.

<table>
<thead>
<tr>
<th>Classification of Motion</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class 1</td>
<td>Fingers only</td>
</tr>
<tr>
<td>Class 2</td>
<td>Wrist bending and rotation</td>
</tr>
<tr>
<td>Class 3</td>
<td>Rotation of shoulders</td>
</tr>
<tr>
<td>Class 4</td>
<td>Elevation of shoulders*</td>
</tr>
<tr>
<td>Class 5</td>
<td>Bending and/or rotation of trunk*</td>
</tr>
</tbody>
</table>

Motions can be classified into five categories according to the length of the motion as shown above.* (damage begins)

AVAILABLE AT ANY PRICE POINT

SPIRIT 3300  
SPIRIT 1800  
SPIRIT 1700
Helios Reflective
LED TECHNOLOGY
WHAT IS REFLECTIVE TECHNOLOGY?
The light from Helios is pointed at the continuous curve of the reflector lens, and shines back at the target area (the patient’s oral cavity).

WHY DOES IT MATTER?
Reflective technology means an ideal light pattern, reduced shadowing, and increased patient comfort.

BENEFITS OF HELIOS REFLECTIVE LED LIGHTS

Light Pattern: With Helios LED dental lights, the operating field is illuminated from all angles. With direct technology, you are limited by the number of direct light beams shining at the target area.

Shadow reduction: Reflective technology also means minimal shadowing. The story for direct LED lighting is different - when the light path is obstructed, shadows are more apparent, potentially obscuring visibility in other areas of the oral cavity.

Patient comfort: Your patient is never looking directly into your operatory light source with Helios, as light is always reflected.

HELIOS REFLECTIVE LIGHTING
Reflected light for a uniform light field – instruments can be placed where needed with minimal shadow effect.

TYPICAL DIRECT LIGHTING
Limited amount of light beams – instruments intercepting these beams can create more shadowing.
You work hard, let it show with the premium product offering from Pelton & Crane. Ergonomic design, exceptional patient comfort, and a beautiful aesthetic make the Premier series enable a true reflection of your success.
CHAIRS & STOOLS

Spirit™ 3300 Chair
Spirit Doctor and Assistant Stools

LIGHTS

Helios™ 3000

DELIVERY UNITS

Spirit 3000 Series
FEATURES AT A GLANCE:

- SPIRIT 3302: Traditional back design in Smooth upholstery
- SPIRIT 3304: Narrow back design in Smooth upholstery
- SPIRIT 3303: Narrow back design in Advanced Comfort upholstery

**AT A GLANCE:**
- IMPROVED EASE OF OPERATION
- IMPROVED EASE OF PATIENT ENTRY & EXIT
- LOWER MINIMUM HEIGHT

**SPIRIT 3301**
Traditional back design in Advanced Comfort upholstery

**SPIRIT 3302**
Traditional back design in Smooth upholstery

**SPIRIT 3304**
Narrow back design in Smooth upholstery
The Spirit 3300 builds on a strong foundation to provide new enhancements in doctor access, patient comfort, and aesthetic appeal.

The narrow backrest, coupled with the new ability for the chair to go lower to the ground, enables ideal oral cavity access for practitioners of any stature, in a comfortable ergonomic position. A new base design makes it easy for patients to enter and exit, and provides enhanced stool access alongside the chair. Dual touchpads with new one-touch programming simplify chair operation, minimizing unnecessary movement for you and your team.
The Spirit 3000 Series Delivery System from Pelton & Crane is your complete delivery solution. Seamless integration of premium accessories make Spirit 3000 a unit that grows with your practice. Ergonomically designed, Spirit 3000’s centralized handle and pivot ability provide ideal positioning for every procedure. Smooth surfaces and minimal seams make asepsis simple, while demonstrating a modern aesthetic style.
KaVo ELECTRIC SYSTEMS
The ELECTROtorque TLC with KL703 LED motor elevates the brushless electric motor system to a new level: your all-in-one handpiece solution! Combine the benefits of a brushless electric motor system with two handpieces for all of your high-speed, low-speed, and torque-control endodontic needs. All attachments offer smooth, precise, vibration-free operation with light, water spray, and pre-programmable speed settings.

KaVo AIR-DRIVEN HANDPIECES
More American dentists select KaVo cellular optic high and low-speed handpieces than any other brand. The KaVo Collections includes a full range of handpieces that will exceed your expectations, yet meet the needs of your budget.

View the entire KaVo collection at kavo.com
Helios 3000

Introduced in 2008, the Helios 3000 changed the game in operatory lighting. Using patented color mixing LED technology, Helios 3000 is the most significant breakthrough in dental operatory lighting in 40 years.

NO-CURE SETTING

The ability to control color output allows the Helios 3000 to eliminate all blue light from the color spectrum while maintaining 15,000 LUX intensity. Never dim or move your operatory lights when working with composites or bonding agents again.

PATENTED COLOR MIXING

Forget about shade matching at the window. Using a combination of multi-colored LEDs (red, green, blue and amber), Helios 3000’s color temperature can be touch-button controlled to produce both 5000°K and 4200°K settings.
CONFIGURATIONS

Designed to accommodate any dental operatory, the Helios 3000 & 1800 are available in seven mounting variations.

1. CABINET
2. CEILING
3. WALL
4. ELLIPSE
5. TRACK
6. PMU
7. POST MOUNT

(with Flexible Monitor Mount)

RANGE OF MOTION

Horizontal
Vertical
3D
Vertical Adjustment
The Advantage series of dental equipment allows you to tailor your operatory to suit your individual needs. Ergonomic, comfortable seating and reflective LED technology create an efficient environment for the dental team.
CHAIRS & STOOLS
Spirit 1800 Chair
Spirit Doctor and Assistant Stools

LIGHTS
Helios™ 1800

DELIVERY UNITS
Spirit 2000 Series
FEATURES AT A GLANCE:

- **SPRIT 1801**
  - Traditional back design in Advanced Comfort upholstery

- **SPRIT 1802**
  - Traditional back design in Smooth upholstery

- **SPRIT 1804**
  - Narrow back design in Smooth upholstery

- **SPRIT 1805**
  - Narrow back design in Advanced comfort upholstery (no slings)

- **SPRIT 1806**
  - Narrow back design in Smooth upholstery (no slings)
Spirit 1800 CHAIR

EFFICIENT DESIGN AND DURABILITY COME TOGETHER IN THE SPIRIT 1800 DENTAL CHAIR.

Functionality, comfort, and access.

The Spirit 1800 provides essential features to enable patient comfort and oral cavity access. Get the functionality you need at a budget friendly price point. With standard features such as a dual articulating headrest, swivel lock, wide toeboard and narrow backrest, the Spirit 1800 dental chair provides you with the core advantages of an attractive, durable and functional patient chair from a brand you trust.

Spirit STOOLS

Pelton & Crane’s stools provide operator comfort while enhancing effectiveness. Enjoy support and style while treating each patient throughout the day, in various colors and finishes to complement any operatory design aesthetic.
Spirit
2000 DELIVERY

High-performance, durable delivery solutions.

Spirit 2000 delivery systems provide the performance and durability that is critical to your busy practice. Five standard positions let you incorporate a syringe and up to four additional instruments.

A die-cast metal control head will stand the test of time, and minimal seams make asepsis simple. Various configuration options are tailored to your specific delivery preference.

SPIRIT 2120 DELIVERY SYSTEM
shown with optional touchpad
FLEXIBLE WORKSTATIONS

Spirit 2800 and 2500 rear delivery units provide the space and flexibility to maximize your efficiency. A contoured work surface is designed for ergonomics - smart contours eliminate discomfort while allowing better operator positioning, and in-procedure supplies are easily within reach. The height-adjustable Spirit 2800 system lets you independently position work surface and doctor’s unit head right where you need them. The Spirit 2500 provides precise positioning for the doctor’s unit with control head tilt, coupled with vertical and horizontal adjustment ability. Easily pivot doctor and assistant controls for simple right to left-hand delivery.
Helios 1800

Pelton & Crane’s Helios 1800 operatory light leverages reflective LED technology to provide increased performance from traditional halogen lighting.

LONG LIFESPAN
Helios 1800’s LED lifespan is a minimum of 12-15 years on average (~30,000 hours), vs. the typical 1-2 years for halogen bulbs.

MAXIMUM EFFICIENCY
Expect a minimum 70% energy savings when moving from halogen to LED with the Helios 1800. Additionally, cool operation means no burns or ambient heating.
## FEATURES AT A GLANCE:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Helios 3000</th>
<th>Helios 1800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reflective LED technology</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Precise 3” x 6” light pattern</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Cool operation</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Energy efficient</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Dual membrane touchpads</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>High, Med, Low intensities</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Vertical Motion on/off</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>7 mounting options</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Third axis rotation</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>12-15 year life expectancy</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>5000°K temperature</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>4200°K temperature</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>True No Cure setting</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Patented RGBA Color Mixing LED Technology</td>
<td>•</td>
<td></td>
</tr>
</tbody>
</table>

### PRECISE LIGHT PATTERN

The Helios 1800 has a crisp, consistent 3” x 6” light pattern that focuses only where you need it and stays out of the patient’s eyes.
Essential

Making an economical choice in outfitting your operatory doesn’t mean sacrificing quality, comfort or the latest technology. Achieve your dream today with the same quality and comfort you have come to expect from Pelton & Crane.
CHAIRS & STOOLS
Spirit 1700 Chair
Spirit Doctor and Assistant Stools

LIGHTS
Helios™ 1800

DELIVERY UNITS
Spirit 1500 Series
FEATURES AT A GLANCE:

IMPROVED ERGONOMIC ACCESS

UPHOLSTERY CHOICES

OPTIONAL ADD ON TECHNOLOGY

SPRIT 1704
Asepsis Narrow Back, with Slings

SPRIT 1702
Smooth Traditional Back

SPRIT 1706
Smooth Narrow Back, without Slings
Spirit
1700 CHAIR

ADVANCED TECHNOLOGY. QUALITY WITHIN REACH.

The Spirit 1700 dental chair allows integration of today’s technology at a budget-friendly price point.

The 1700 dental chair series combines innovative technology with quality components resulting in an easy to use, durable dental chair. Standard features such as embossed membrane touchpads for the doctor and assistant, a dual articulating headrest and swing away armrests coupled with the Spirit 1700’s powerful hydraulic lift mechanism provide a quality seating experience.

Spirit
STOOLS

Pelton & Crane’s stools provide operator comfort while enhancing effectiveness. Enjoy support and style while treating each patient throughout the day, in various colors and finishes to complement any operatory design aesthetic.
Spirit
1500 DELIVERY

Functional, Reliable Dentistry.

Pelton & Crane’s Spirit 1500 delivery system will serve as your platform to perform efficient dentistry at a budget-friendly price. From the push-button pneumatic air brake, to the durable all-metal control head, you can feel the quality in every element of the Spirit 1500. With standard features such as the self-contained water system with city water / bottled water selector, non-retracting water coolant adjustments, and four instrument positions (optional fifth), the Spirit 1500 delivery system provides the functionality, reliability and efficiency you need.
EFFICIENT
• Ellipse delivery like the Spirit 1585 rotates around the toe of the chair for easy left/right convertibility
• Four position delivery unit accommodates up to 3 handpieces and one syringe, or add an optional 5th Position holder

DURABLE
• All metal, powder-coated control head
• Counterbalanced aluminum delivery arm with rotational pivots and friction spring adjustment
• Individual handpiece pressure adjustments

FUNCTIONAL
• Ellipse, wall, cabinet, cart and post-mounted options
• Wet/Dry foot control with signal relay (standard)
• Optional KaVo ELECTROmatic motor
• Optional Scaler and Curing Light
Helios 1800

Pelton & Crane’s Helios 1800 operatory light leverages reflective LED technology to provide increased performance from traditional halogen lighting.

LONG LIFESPAN

Helios 1800’s LED lifespan is a minimum of 12-15 years on average (~30,000 hours), vs. the typical 1-2 years for halogen bulbs.

MAXIMUM EFFICIENCY

Expect a minimum 70% energy savings when moving from halogen to LED with the Helios 1800. Additionally, cool operation means no burns or ambient heating.
## OPERATORY LIGHTING: HELIOS LED VS. HALOGEN

<table>
<thead>
<tr>
<th>Benefit</th>
<th>Halogen</th>
<th>Helios LED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Energy efficiency</strong> – Reduce energy by a minimum of 70% when moving from halogen to LED</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td><strong>Cool operation</strong> – No risk of burns to staff, no uncomfortable heat for staff or patients</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td><strong>Long lifespan</strong> – LED lifespan of a minimum 30,000 hours (12-15 years) vs 1-2 years for halogen bulbs</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td><strong>Cost savings</strong> – Save on utilities due to energy efficiency, and total cost of ownership due to long lifespan (no more bulb replacements!)</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td><strong>Consistent light output</strong> – LED light pattern is consistent throughout, no adjusting for hot spots often seen with halogen lights</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td><strong>Crisp 3”x6” light pattern</strong> – Defined light pattern illuminates the oral cavity without getting in patients’ eyes; halogen patterns not as crisply defined</td>
<td></td>
<td>Enabled by Reflective Technology</td>
</tr>
</tbody>
</table>

**PRECISE LIGHT PATTERN**

The Helios 1800 has a crisp, consistent 3” x 6” light pattern that focuses only where you need it and stays out of the patient’s eyes.
Essential technology combined with quality components are designed with you and your patient in mind in the Pelton & Crane Alliance package.
CHAIRS & STOOLS
Spirit 1700 Chair
Spirit Doctor and Assistant Stools

LIGHTS
Helios™ 1800

DELIVERY UNITS
Alliance 1200 Series
FEATURES AT A GLANCE:

• Quick Clean Syringe and Straight asepsis tubing for three handpieces
• Convenient brake release for flex arm
• Individual non-retracting water coolant adjustments
• Handpiece tubing purge system
• Self-contained water system with city water/bottled water selector
• Contoured junction box
Introducing the ALLIANCE DELIVERY PACKAGE

Value and features you need in a price you want.

The Alliance Package combines our 1200 series delivery units featuring quality components and efficient design with our Spirit 1700 dental chair. This ellipse-style mounted chair package is an ideal option for any practice looking to replace or add new equipment.

Spirit STOOLS

Pelton & Crane’s stools provide operator comfort while enhancing effectiveness. Enjoy support and style while treating each patient throughout the day, in various colors and finishes to complement any operatory design aesthetic.
ABOUT VISTA RESEARCH GROUP

Vista Research Group is dedicated to providing innovative water solutions for the dental industry. Its VistaClear and VistaPure systems have become “standard equipment” for dental practices that want to save time and money, and protect equipment. With Vista Research Group and Pelton & Crane, you have choices, proven products and industry-leading support.

VISTAPURE

VistaPure provides two grades of high-quality water for autoclaves, dental bottles, ultrasonic cleaners and the rinse cycle of instrument washers. This high-capacity purification system connects directly to the city water supply and sends purified water anywhere you need it in the sterilization center for easy, on-demand use.

FEATURES OF VISTAPURE SYSTEM

VistaPure includes a tank for storing treated water, a proprietary wand for dispensing distilled-quality water into autoclaves, and a lead-free faucet for filling dental bottles with non-corrosive water.
SPACe SAVER

VistaPure’s design saves space and slides out for easy access when it’s time for a filter change. The new VistaPure module provides a space for all of your water purification components while clearing up space under the sink.
Pelton & Crane has a large, supportive extended family within KaVo Kerr, who collectively has products in 99% of dental offices worldwide. Together, we innovate forward-looking technologies to solve our customers’ most complex challenges. By aligning KaVo Kerr’s 10+ successful and respected dental brands, members of the KaVo Kerr network can leverage each other to solve tough problems, drive collaborative innovation, and share best practices.
KaVo Kerr Preferred is our loyalty program, which rewards customers for their purchases on our wide portfolio of consumable and equipment products. The program rewards our customers in points, which can be redeemed for a selection of our most popular products, CE reimbursement or cash. You can sign up or view more information at kavokerrpreferred.com.
For more information, contact the Pelton & Crane sales representative in your area or your local authorized Pelton & Crane dental dealer.

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