Spaceline Patient Support & Delivery Systems
Designed to Reduce Operator Stress
A unique blend of concept and design, Spaceline EMCIA promotes efficiency and precision in everyday practice. EMCIA incorporates all of the human centered engineering concepts which have set the Spaceline series apart from conventional units - plus numerous options allowing for customization. Clinicians will enjoy easy access to instruments and soft-touch switches, a convenient retraction mechanism and other unique choices such as warm air/water.

EMCIA offers the complete package: esthetic excellence, ergonomic refinement and innovative features. It's not just another dental chair - it's a complete system based on logic and function built around the needs of the clinician.
Patient Comfort

Natural Movement Headrest: Designed to match the natural movement of the neck for a comfortable shift in head position.

Headrest Shape: The headrest has a comfortable, curved shape that supports the head without pressing on the patient’s ears.

Large Cuspidor (Optional): Can be rotated 45 degrees towards the patient for easy access.

Patient Support: The soft, semi-bucket seat is cushioned to perfectly fit the human body with maximum comfort so that the patient is not fatigued by a long treatment session.
System Features

1. **Autoclavable Instruments**: Instruments are easily detached for autoclaving.
2. **Safety Switches**: Safety switches for the seat and backrest prevent accidents when the chair is moving. Another safety feature prevents the chair from moving whenever a handpiece is being used.
3. **Tubing Retraction Mechanism**: Effortless tube handling with the silky-smooth retraction mechanism.
4. **Modular Optional Equipment**: Scalers or other optional instruments can be added by simply attaching a modular circuit board to the mother board.
5. **Chair Drive Servo Solenoid Valve (SSV) System**: The new SSV chair drive system gives the chair’s movement a soft start and stop with precision and perfect timing. The chair automatically turns itself off after two hours.

**Operating Light**: Ideal brightness, a wide field of illumination and color which is almost identical to natural sunlight. The smooth and freely moving arm and head make it easy to adjust and aim.

**Conveniently Located Operation Switches**: The soft-touch switch panels are located on the backrest and the tray for convenient manipulation.

**Automatic Positioning**: Save time with four automatic chair positions. Controlled from a touch pad, mounted on the side of the chair, you can quickly transition your patients from consultation to treatment.

**Multi-function Foot Control**: Controls essential functions including handpiece speed, chair height and light.
Additional Features and Options

Operating Stool:
Stool provides comfortable seating for clinicians. Its ergonomic design provides proper distribution of body weight and five casters for ease of movement.

Auto Cup Filler:
Paper cups are detected by a light sensor, and a water level sensor ensures that the cup is filled to just the right level. The auto cuspidor cleaning system rinses the basin after the cup is filled. The cup water automatically turns itself off after 15 seconds.

Piezo Electric Scaler:
A Piezo Electric Scaler can be added to EMCIA; the technology is built into the chair. The scaler features an easy grip handle for proficient treatments and can be activated with the foot control.

Cuspidor:
EMCIA’s cuspidor is optional. It features a large basin, rotation capabilities for patient convenience and an automatic cleaning system.

Quick Disconnect Connectors:
Water and air connectors can be switched over to the assistant’s side and a drain connector can be added. Connectors for instruments like scalers can also be added to the dentist and/or the assistant side.

Re-Trak Mirror for Luna Vue ED Light:
This mirror allows the clinician to show patients the inside of their mouth, without moving the operating lights. When not in use, the mirror may be “flipped up,” offering access when needed.

Colors

- Triton Green (TG58)
- Bright Orange (BO58)
- Metallic Green (MG58)
- Celeste Blue (CE58)
- Citron Yellow (CYS8)
- Metallic Blue (MB58)
- Coral Rose (CR58)
- Rose Beige (RB58)
- Metallic Pink (MP58)
- 3-way syringe with light for those details the operating light can’t reach.
- Bright Orange (BO58)
- Metallic Green (MG58)
- Celeste Blue (CE58)
- Citron Yellow (CYS8)
- Metallic Blue (MB58)
- Coral Rose (CR58)
- Rose Beige (RB58)
- Metallic Pink (MP58)
The result of over 40 years of research, Feel 21 is a sleek, sophisticated and futuristic system that offers unparalleled simplicity. Spaceline Feel 21 conforms to the human anatomy and positions patients to decrease clinician's musculoskeletal stress, while also reducing the possibility of cross contamination.

The system's biomechanically derived design helps reduce back, neck, shoulder, arm and hand ailments, while fixed twin lights require no touching or adjustment. The Spaceline Feel 21 system is ideal for all offices, especially for cosmetic, spa and microscopic dentistry.

**Feel 21 Features**

- Touchless fixed instrument tray allows excellent access to instruments.
- Touchless fixed twin lights, one directed to the mandible, the other to the maxilla, provide exceptional lighting for oral procedures.
- All essential functions are easily adjusted from a multi-function foot control. Location may be adjusted and set to a precise position for each dentist.
- Anatomically designed, horizontal, full-rest patient support offers exceptional comfort, stability and natural self-positioning.
- Ergonomic stools offer stability, height adjustment and comfortable seating.

**Instrument Holder:**

The Instrument holder features light sensors for automatic air turbine/micromotor handpiece selection. A touchless, three dimensional instrument holder enables the operator to detach an air turbine handpiece without contacting a holder or tubing.

**Patient Headrest:**

The thin and ideally curved headrest provides comfortable support to the patient and allows for hands-free adjustment of head angles. The headrest stabilizes the head in the center so that the patient feels secure, but does not compress the ears.

**Flip Top:**

The horizontal component of the patient support opens on a hinge, and the underside has a simple layout. Tubing and wires are concealed from patient and doctor view, yet easily accessible for cleaning and maintenance.
### EMCIA and Feel 21 Specifications

<table>
<thead>
<tr>
<th>Name</th>
<th>Spaceline EMCIA</th>
<th>Spaceline Feel 21</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td>CU580</td>
<td>C21</td>
</tr>
<tr>
<td><strong>Input Voltage</strong></td>
<td>AC 120 V single phase (for Type UL) AC 115 V single phase (for Type 115 V)</td>
<td>AC 115 V single phase</td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td>1.5 KVA</td>
<td>1.5 KVA</td>
</tr>
<tr>
<td><strong>Hydraulic Motor</strong></td>
<td>200 W condenser activated</td>
<td>200 W condenser activated</td>
</tr>
<tr>
<td><strong>Control</strong></td>
<td>Solenoid valve and servo motor</td>
<td>Solenoid valve</td>
</tr>
<tr>
<td><strong>Chair Dimensions</strong></td>
<td>Length: 1,830 ± 100 mm (72&quot; ± 3 7/8&quot;) Width: 660 ± 50 mm (26&quot; ± 1 1/2&quot;)</td>
<td>Length: 1,790 ± 20 mm (70 1/2&quot; ± 3/4&quot;) Width: 670 ± 20 mm (26 3/8&quot; ± 3/4&quot;)</td>
</tr>
<tr>
<td><strong>Height of Light</strong></td>
<td>(from floor) Maximum: 2,218 ± 30 mm (87 3/8&quot; ± 1 1/4&quot;) Minimum: 1,918 ± 30 mm (76&quot; ± 1 1/4&quot;)</td>
<td></td>
</tr>
<tr>
<td><strong>Height of Chair</strong></td>
<td>(from floor) Maximum: 780 ± 50 mm (30 3/4&quot; ± 1 7/8&quot;) Minimum: 450 ± 50 mm (17 3/4&quot; ± 1 7/8&quot;)</td>
<td>Maximum: 960 ± 10 mm (37 3/4&quot; ± 3/8&quot;) Minimum: 660 ± 10 mm (25 7/8&quot; ± 3/8&quot;)</td>
</tr>
<tr>
<td><strong>Light Brightness</strong></td>
<td>16,000 ± 2,000 Lux (AC 12 V)</td>
<td>20,000 Lux (AC 15 V)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>~ 180 kg (396 lbs)</td>
<td>~ 180 kg (396 lbs)</td>
</tr>
<tr>
<td><strong>Low Speed Handpiece Circuit</strong></td>
<td>Electric micromotor TR-91 optional. Available with or without light.</td>
<td>Midwest 4 Hole Tubing with light comes standard.</td>
</tr>
<tr>
<td><strong>High Speed Handpiece Circuit</strong></td>
<td>Select Morita Tubing or Midwest 4 Hole Tubing with or without light. Can select up to 2.</td>
<td>Morita Tubing with light comes standard. Midwest 4 Hole Tubing with light optional. One circuit only.</td>
</tr>
<tr>
<td><strong>Operating Stools (2)</strong></td>
<td>OSX-1N: 5 casters, gas cylinder type Height range: Maximum 665 ± 10 mm (26 1/4&quot; ± 3/8&quot;) Minimum 475 ± 10 mm (18 3/4&quot; ± 3/8&quot;)</td>
<td>OSX-1N: 5 casters, gas cylinder type Height range: Maximum 665 ± 10 mm (26 1/4&quot; ± 3/8&quot;) Minimum 475 ± 10 mm (18 3/4&quot; ± 3/8&quot;)</td>
</tr>
</tbody>
</table>

### Ordering Numbers

**Spaceline EMCIA** 30-5901766

- System includes: Vacuum Syringe (handpiece detachable), Vacuum Syringe w/tank, AT-AR Clean System, 4 Position Auto Chair Positioning, Foot Controller, Plastic Foot Cover, Siremopore M, Midwest 4 Hole Tubing w/Light for 2 high speed circuits (no handpiece), TR-91 Motor w/Light (no contra or straight attachment), WS-12 3-Way Syringe x 2, Headrest, Cuspidor w/Manual Cup Filter, Air/Water Quick Disconnect for Dr. Side, Chair Mounted Type Operating Light, Shoulder Mounted Tray, Junction Box, Saliva Ejector, Retract Mirror, Operating Stool Type OSX-1N x 2
- * System may be customized based on individual preferences.

**Spaceline Feel 21** (with 2 OSX-1N Stools and 1 SAT-C2O High-Speed Handpiece) 30-5309700

- System includes: Vacuum Syringe (handpiece detachable), AT-AR Clean System, 2 Position Auto Chair Positioning, 5-Function Foot Controller, Midwest 4 Hole Tubing w/Light for low speed motor, Tubing w/Light for SAT-C2O turbine WS-12 3-Way Syringe x 2, Touchless Fixed Twin Light, Skill Axis Headrest, Touchless Instrument Tray Air/Water Quick Disconnect for Nurse Side, Junction Box

**Spaceline Feel 21** (without Stools or High-Speed Handpiece) 30-5309794

### EMCIA Recommended Work Area

![EMCIA Recommended Work Area](image1.png)

### Feel 21 Recommended Work Area

![Feel 21 Recommended Work Area](image2.png)
Thinking ahead. Focused on life.

In 1916, Junichi Morita started to import products of the leading dental equipment manufacturers into Japan, where demands for modern dentistry were growing. His venturesome attempts of supplying selected products for oral healthcare has grown steadily by receiving valuable support and guidance from the dental profession. His enterprising spirit lives through the decades, and all Morita Group Companies join in continuing to pursue marketing, distribution and services, as well as R&D and manufacturing, in collaboration with world leaders in healthcare products and research organizations.

Diagnostic/Imaging Equipment
Treatment Units
Instruments
Laser Equipment
Laboratory Devices
Educational and Training Systems
Auxiliaries

Distributed by

J. MORITA USA, INC.
9 Mason, Irvine, CA 92618 U.S.A.
Toll Free: (800) 831-3222, Fax: (949) 465-1095, www.jmoritausa.com

J. MORITA EUROPE GMBH
Justus-von-Liebig-Strasse 27A, D-63128 Dietzenbach, Germany
Tel: +49-6074-836-0, Fax: +49-6074-836-299, www.jmoritaeurope.com

J. MORITA CORPORATION AUSTRALIA & NEW ZEALAND
247 Coward Street, Suite 2.05, Mascot NSW 2020, Australia
Tel: +61 2 9667 3555, Fax: +61 2 9667 3577

J. MORITA MIDDLE EAST
Saraya Al Wessam Bldg., Tower A, Appt. 902
Cross roads Tag Roasaa & Abu Heif, Saba Pacha, Alexandria, Egypt
Tel: 203 82 222 94, Fax: 203 82 222 96, www.jmoritamiddleeast.com

J. MORITA CORPORATION
33-18, 3-Chome, Tarumi-cho Suita City, Osaka, 564-8850 Japan
Tel: +81-6-6380-2525, Fax: +81-6-6380-0585

Developed and Manufactured by

J. MORITA MFG. CORP
680 Higashihama Minami-cho, Fushimi-ku, Kyoto, 612-8533 Japan
Tel: +81-75-611-2141, Fax: +81-75-622-4595, www.jmorita-mfg.com