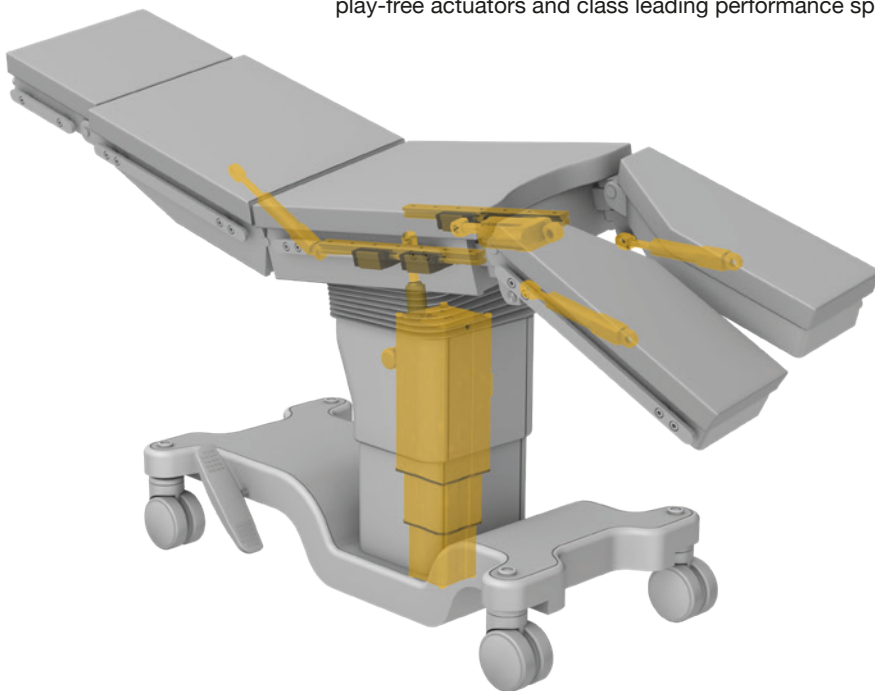


Solutions for surgical tables and procedure chairs

Today's medical equipment needs to enable faster, safer, more reliable diagnostics and procedures. Surgical chairs and tables must handle ergonomics, increasing patient weight, lower entry levels, and higher productivity.

To ensure patient safety and confidence, surgical equipment requires a high level of stiffness and robustness. Ewellix provides ready-to-install modular motion solutions with high stiffness, nearly play-free actuators and class leading performance specifications.



From standard range to customized solutions

Ewellix provides a range of pillars, actuators and controllers to meet all your needs. From high performance products with stiff build and low play, to simpler configurations for less demanding requirements.

Application competence

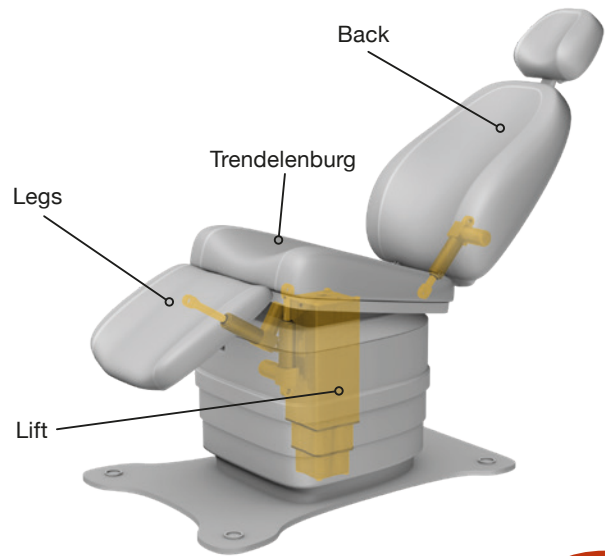
Building on our extensive experience and knowledge in surgical applications, Ewellix can support you with technical advice, system setup, and customized designs throughout the entire product development cycle.

Certified medical safety

Our motion solutions can significantly reduce your equipment certification time and cost. All products are UL certified according to IEC 60601-1 and are fully compatible and tested as a system to minimize your risk and time to market.

Features and benefits of the Ewellix modular system

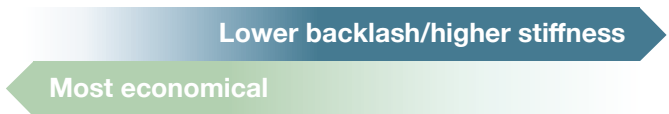
- High level of stiffness
- Low backlash Lateral Tilt and Trendelenburg
- Modularity to meet individual needs
- Plug and play allowing for easy assembly
- Verified and tested solution from one supplier
- UL certified and proven system for low risk and safe design
- Virtually maintenance-free



Ewellix actuators - Legs, Back, Lateral Tilt, Trendelenburg

Benefits

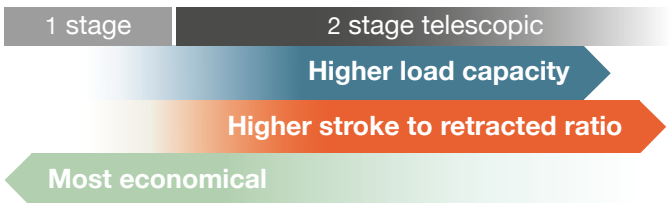
- Very robust
- Highly customizable
- Play-free design



Ewellix telescopic pillars - Lift

Benefits

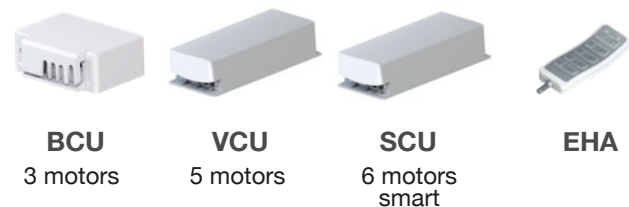
- High stiffness
- Ready to mount
- Optional attachment threads
- Highly customizable



Ewellix controllers

Benefits

- UL certified IEC 60601-1
- Single fault safe
- Smart configurable functionality (SCU)
- RS232 interface for external control (SCU)



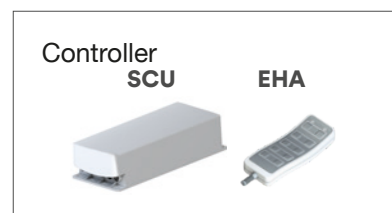
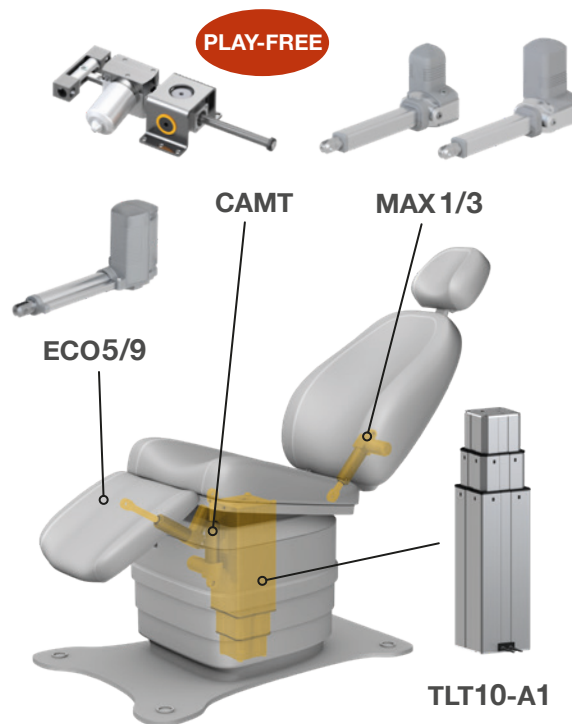
Typical surgical systems

Typical procedure chair motion solution

- Able to handle 600 lbs patients with a robust and stiff build
- ADA compliant low entry height of 17-19 inches possible
- Motorized Trendelenburg, back and leg rest adjustments
- Controller with memory positions and synchronized movements

Procedure chair system package

ECO5 / ECO9	Simple and compact, ideal for leg rest.
MAX1/3 / CAMT	Low backlash and compact design, ideal for backrest and Trendelenburg.
SCU / EHA	Controller with smart motion features and memory positions.
TLT10-A1	High stiffness lifting pillar with low retracted height and high stroke. Plug and play lifting solution.

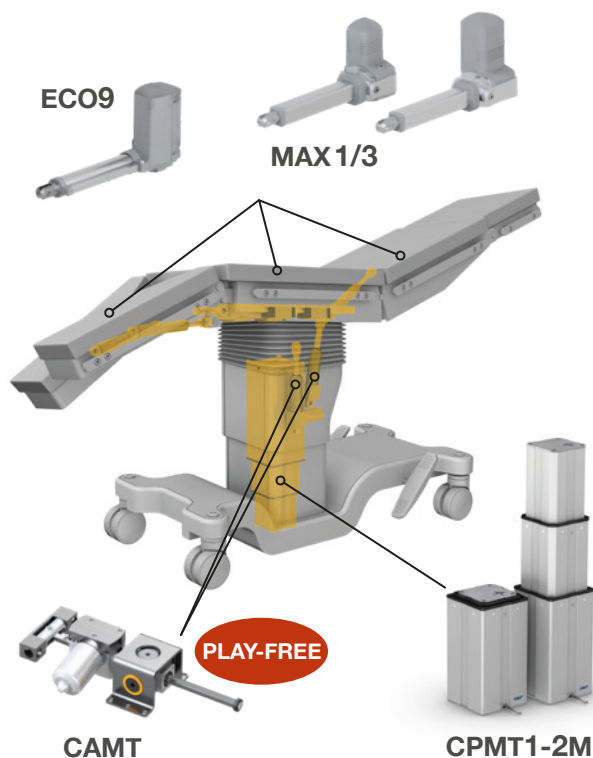


Typical surgical table motion solution

- Able to handle 800 lbs patients
- Allows a range of +/- 30° Lateral Tilt and +/- 45° Trendelenburg angles
- Very stiff and play-free Lateral Tilting and Trendelenburg functions
- Handles 1 400 Nm offset load with high stiffness
- Manages synchronous electrical movements and memory positions

Surgical table system package

MAX 1/3 / ECO9	Compact and powerful, ideal for leg and back-rest, or longitudinal slide.
CAMT	Low backlash and compact design, ideal for Lateral Tilt and Trendelenburg.
SCU / EHA	Controller with smart motion features and memory positions. Serial port for custom handsets.
CPMT1-2M	High stiffness lifting pillar with high offset load capacity. Attachment options on pillar.





	TLG10-AA	TLT10-A1	TLT10-A2	TLT20	CPMT1-1S	CPMT1-2M
Rated push load	4000 N	3000 N	4000 N	5000 N	5000 N	6000 N
Dynamic moment	600 Nm	400 Nm	1000 Nm	500 Nm	450 Nm	1400 Nm
Stiffness
Speed	10 to 14 mm/s	11 to 16 mm/s	13 to 19 mm/s	16 to 28 mm/s	14 to 34 mm/s	12 to 26 mm/s
Retracted length	Stroke + 180 mm	Stroke/2 + 170 mm	Stroke/2 + 240 mm	Stroke/2 + 130 mm	Stroke/2 + 120 mm	Stroke/2 + 240 mm
Noise level	48 dB	49 dB	49 dB	53 dB	59 dB	59 dB



	ECO5	ECO9	MAX 1-C	MAX 3-A	CAMT
Rated push load	2000 N	6000 N	1500 N	8000 N	6000 N
Speed	9 to 13 mm/s	4 to 7 mm/s	13 to 18 mm/s	5 to 7.5 mm/s	12 to 26 mm/s
Retracted length	Stroke + 160 mm	Stroke + 160 mm	Stroke + 195 mm	Stroke + 215 mm	Stroke + 114 mm
Noise level	56 dB	56 dB	45 dB	45 dB	55 dB



	BCU	VCU	SCU
Number of motor ports	3	3 or 5	3 or 6
Output current per motor port (nominal /max)	7 A / 10 A	7 A / 12 A	7 A / 12 A
Total output current (max)	12 A	12A / 24 A (30 A)	12 A / 24 A (30 A)
Number of operating device ports	1	2	3
Number of binary inputs (e.g. for external switches)	0	2	4
Number of binary outputs (to give signals out)	0	0	2
Soft start/stop	✓	✓	✓
Simultaneous run of actuators (not synchronized)	✓	✓	✓
Synchronous run of actuators			✓
Memory functions			✓
Toggle function (walk-away, click-set)			✓
Virtual limit positions (virtual end positions, stroke limitation)			✓
Intermediate positions			✓
Dependency movements			✓
Optional battery		✓	✓
Optional RS232 interface			✓

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