

Technical Parameters - Hardware

Integrated computer with Totum software pre-installed
 22" touch screen monitor
 Fully adjustable operating height with 17cm range of movement
 Real laparoscopic instruments: Maryland grasper, Johans grasper with ratchet, scissors, needle holder left, needle holder right
 Stack system easily converted to table-top set up
 1080p camera with auto calibration to lighting conditions and Zoom functionality
 "Natural" haptics from medical models
 Simulated surgical energy devices
 Box trainer with model mounting jig and abdominal wall
 Full suite of LapPass skills tasks
 Take home version of hardware allows remote/distance learning with full suite of surgical procedures
 Hardware compatible with local 'box trainer based' curricula/skills tasks

Technical Parameters – Software

Full procedure simulations General Surgery:

- Appendectomy
- Cholecystectomy
- Bowel anastomosis
- Bowel enterotomy & Closure
- Adhesiolysis

Full procedure simulations Gynaecology:

- Ovarian cystectomy
- Myomectomy
- Pelvic side wall dissection Left
- Salpingostomy Left
- Salpingectomy Left
- Pelvic side wall dissection Right
- Salpingostomy Right
- Salpingectomy Right
- Adhesiolysis
- Vaginal vault closure

Accredited curriculum tasks (**LapPass**):

- Grasping and manipulation
- Tubal ligation
- Precision cutting
- Suturing

Accredited curriculum tasks (**EMIGS**):

- Sleeve-peg transfer
- Pattern cut
- Extracorporeal knot tying
- Intracorporeal knot tying
- Vaginal cuff continuous running suture

• Operative Guidance

Instrument tracking and performance tracking with data displayed via online portal
 Performance feedback generated for exercise debriefing and course management: learning curves, errors, suggestions for improvement. Select individual training event or date range for studying trends in performance
 Procedural instructional videos included for each task
 Download performance data as a pdf certificate
 Export performance data in CSV
 Internal messaging platform within web portal
 Admin mode functionality:

- Connect with trainees and trainer
- Create work groups
- Remote review of trainee/group performance data
- Allocate tasks and review progress
- Sort courses by group or instructor
- Record full procedures and submit for remote review and feedback from instructor
- Video review is time stamped with instructor notes for ease of debrief

Surgical training remastered.

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