ForceSense

The revolution in box training



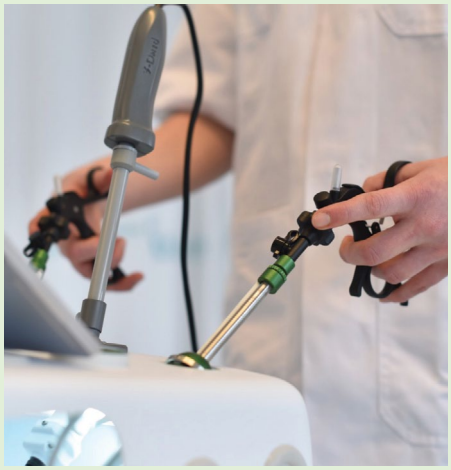
- Performance tracking on a box trainer
- Direct visual force feedback
- Student results accessible online
- Host exciting competitions!

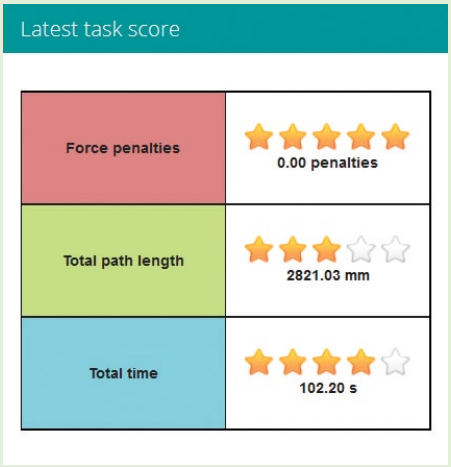
Performance tracking on boxtrainer

Track laparoscopic skills on your boxtrainer. State-of-the-art sensors record all tissue handling forces and instrument motions. Each surgical task is instantly graded using reliable score metrics.

Box trainers are the most cost effective equipment to train laparoscopic skills. However, constant feedback from expert surgeons is not always available.

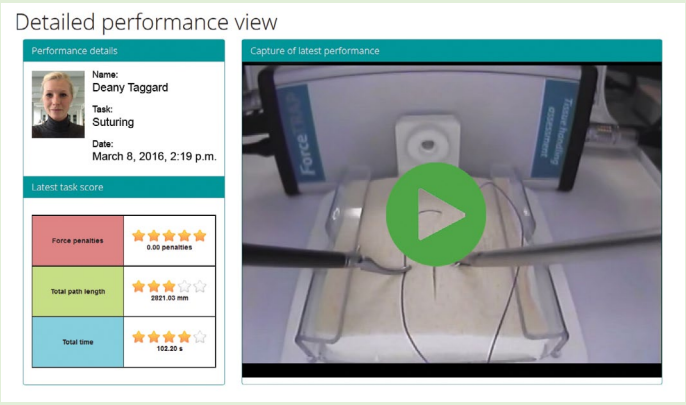
With ForceSense students can train independently and can even master the skills of laparoscopic suturing.

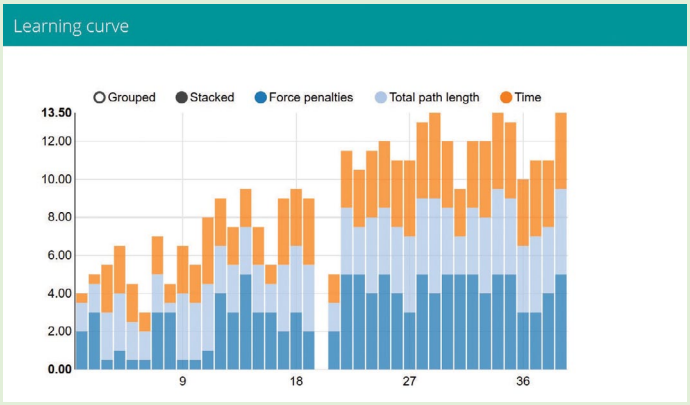




Student results accessible online

The course instructor can easily review individual, as well as student group progress online. The captured training videos are stored with the scoring data. Analyze learning curves to gain insight in the effects of the training course on students skills. Remote assessment is now possible!





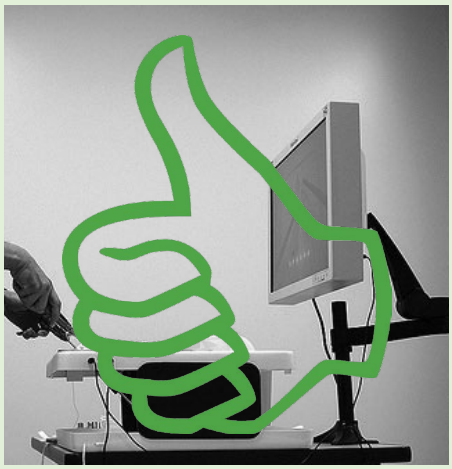
ForceSense can be installed on any boxtrainer



ForceSense & 3-Dmed T5



ForceSense & Lapstar



ForceSense & your boxtrainer!

Direct visual force feedback

The ForceSense software delivers direct visual feedback when too much force is applied during a surgical task. Training students to handle tissue carefully.

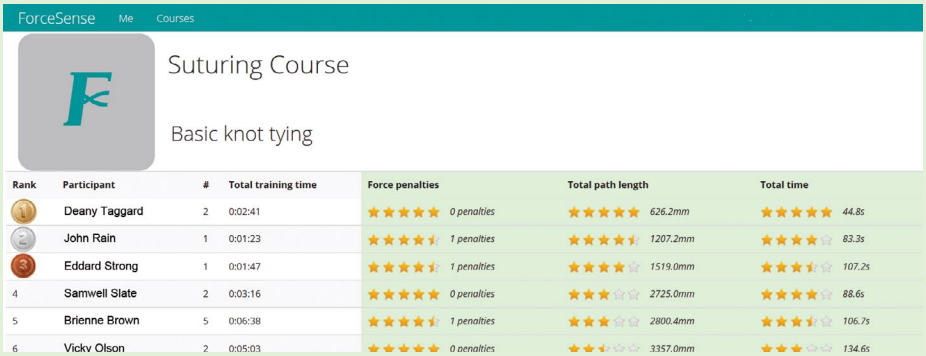
During suturing a correct position of the needle in the needle driver reduces forces on the tissue, resulting in a higher score! Studies show that Visual force feedback improves tissue handling skills.





Host exciting competitions!

Display the online live ranking page on a monitor or projector during your training course. As students gain skills, they will see themselves moving up on the scoreboard! A great way to get an enthousiastic and competitive atmosphere in your training program!





Personalized course certificates

Award your students with a personalized certificate at the end of the training course. These include all statistics of the performed tasks. They are generated in pdf format in a single click on your course director page. Easy for you and a great personal addition for your students!



Mount any laparoscopic instrument

Training with real instruments is the best way to build laparoscopic skills. The motion sensors fit all brands of laparoscopic 5mm instruments. Real instruments, real haptics, real results!

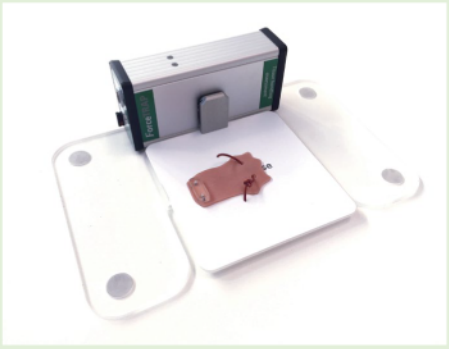




ForceSense components



Tablet & keyboard



ForceTRAP – Force sensor



TrEndo – Motion sensors

The award winning ForceTRAP registers all tissue interaction forces. The TrEndo sensors register all instrument motions. The ForceSense system includes a tablet with pre-installed software (1yr license included) and a wireless keyboard.

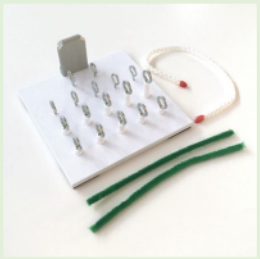
Fully validated laparoscopic task set available



Suturing



Agile Flap



Loops and Wire



Post and Sleeve



Wire Chaser

Cost effective solution

Box training is the most cost effective method to learn laparoscopic skills. Contact us for detailed price information and be amazed about what we can offer you!

Visit www.forcesense.net

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