

# SIMODONT® DENTAL TRAINER



The Simodont® Dental Trainer provides a superior learning experience with realistic feel in a virtual reality training environment. The system enables faster and more efficient transition of students from preclinical to clinical study.

- Combines Moog's proven expertise in haptic and simulation technologies with courseware that teaches students psychomotor skills, and provides treatment plans for a wide variety of patient cases and teeth pathologies
- Provides a cost-effective and safe learning environment in which no teeth are purchased and no patients are exposed to potentially harmful treatments
- Accelerates learning through simulated environments for practicing procedures including virtual patient cases, teeth, jaws, instruments and hand skill exercises
- Provides objective evaluation and real-time self-assessment
- Integrates into curriculum via support that helps schools embed the trainers in their teaching
- Enables educational content to be imported (e.g. 3D scans of real teeth) and exported (e.g. STL files of teeth preps)
- Allows teachers to create and edit content, manage data and facilitate grading and reporting
- Includes Moog world-class support for hardware and software

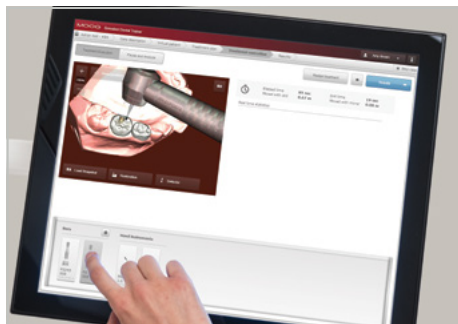
## FEATURES

| HARDWARE                          |  |
|-----------------------------------|--|
| Dental Mirror                     | <ul style="list-style-type: none"> <li>Dental mirror handle allows the realistic inspection of the teeth from all sides</li> </ul>   |
| Virtual Burr and Hand Instruments | <ul style="list-style-type: none"> <li>Crisp and realistic rendering of drill and contact forces</li> <li>Practice on teeth with anatomy and pathology</li> <li>Realistic feel of vibration and force from the tip of the burr while drilling</li> </ul> |
| Audio                             | <ul style="list-style-type: none"> <li>Realistic drill sounds based on foot pedal usage and force exerted by the student</li> <li>Faithful sound rendering of an air rotor or other types of drills</li> </ul>   |
| Foot pedal                        | <ul style="list-style-type: none"> <li>The speed of the virtual drill can be controlled</li> </ul>   |

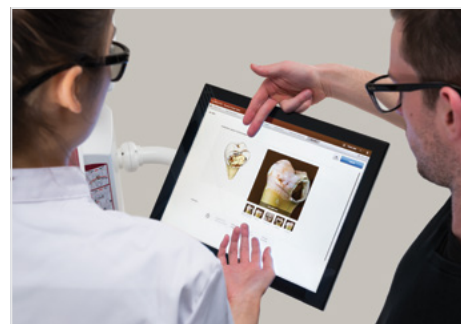
| SOFTWARE           |  |
|--------------------|--|
| Training Course    | <ul style="list-style-type: none"> <li>Supports a full, modern dental curriculum</li> <li>Open courseware can be easily used and modified by the trainers</li> </ul>   |
| Central Management | <ul style="list-style-type: none"> <li>A number of training stations can be monitored and replayed on a central instructor station</li> </ul>  |
| Content Library    | <ul style="list-style-type: none"> <li>A growing library of scans of real teeth is available for use in the exercises</li> <li>Preloaded with several patient cases from leading schools including ACTA, and Leeds</li> <li>Additional patient cases can be created and edited; Tooth scans can be added to increase the variety and the realism of the simulator</li> </ul> |



Easy to use



Library of teeth and instruments



Manage curriculum and monitor students' progress

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 Simodont® is a registered trademark of Moog BV  
 US Patents 6,028,409 and 8,716,973  
 Patents Pending  
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