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## Voxel-Man Dental Full System Virtual Reality Simulator

Item No. 1022081  
Weight 60 kg  
Dimensions 100 x 70 x 130 cm  
MPN: DEN-full

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**SKU:**

**Categories:** Virtual Reality Simulators



## Product Description

### Voxel-Man Dental - Virtual Reality Training in Dentistry

Complete Virtual Reality Dental Simulation System to train on real patient cases with different pathologies. Students will quickly develop their manual dexterity and problem solving skills while learning how to prepare a treatment plan and remove caries.

The dental VR simulation features teeth and instruments visualized on a 3D screen, both one and two-handed operation of instruments, a database of different pathologies, automatic skills assessment and monitoring of progress.

- High resolution tooth models were derived from real teeth by microtomography
- Dental hand piece is represented by force feedback device which can be moved in three

dimensions and provides very life-like sense of touch

- Dental models include carious lesions at various locations, such as mesial, occlusal, and distal tooth decay
- Feel the subtle differences between enamel, dentin, pulp, or carious tissue
- Instruments include a selection of high and low speed burs of different shapes which are controlled by a foot pedal, as well as a dental mirror

	<a href="#">ENT Basic System</a>	<a href="#">ENT Full System</a>	<a href="#">Dental Full System</a>
	<a href="#">1022079</a>	<a href="#">1022080</a>	<a href="#">1022081</a>
<b>Hardware</b>	YES	YES	YES
Workstation computer	YES	YES	YES
3D LCD Monitor	YES	YES	YES
Two pairs of 3D glasses	YES	YES	YES
Force feedback device (handle)	1	2	2
Space navigator	YES	YES	YES
Foot pedal	YES	YES	YES
Simulator housing with two arm rests and electrically adjustable height	–	YES	YES
<b>Software modules</b>			
"Tempo" for temporal bone drilling exercises	YES	YES	–
"My Cases" for adding new simulations based on own CT or CBCT data	YES	YES	–
"Sinus" for endoscopic sinus surgery exercises	–	YES	–
Two-handed operation with bleeding and suction	–	YES	–