

專利/技術名稱	口腔缺陷模型之修補方法及口腔缺陷模型之修補系統 METHOD AND SYSTEM OF REPAIRING ORAL DEFECT MODEL		
專利所有權人	中國醫藥大學		
專利國別	中華民國	專利證號	I712396
可利用範圍	可針對缺陷區域利用平滑處理程序修補缺陷裁切線而形成較為平滑的邊緣線，並可對印模後的石膏模型及利用人工智慧產出之掃描或模型中局部沒印清楚或口掃機無法掃描到的區域進行填補和去除模型上小氣泡。		
摘要	<p>本發明提供一種口腔缺陷模型之修補方法，其三維口腔缺陷模型數據取得步驟係驅動掃描器掃描口腔或口腔模型而取得三維口腔缺陷模型數據。缺陷裁切線偵測步驟係驅動處理器偵測三維口腔缺陷模型數據之缺陷裁切線，並驅動顯示器顯示缺陷裁切線。缺陷點資料圈選步驟係透過顯示器圈選出缺陷裁切線之至少一缺陷特徵點。平滑修正步驟係驅動處理器針對圈選之至少一缺陷特徵點執行平滑處理程序，並將三維口腔缺陷模型數據轉換成三維口腔修補後模型數據，藉以使缺陷裁切線平滑。藉此，利用平滑處理程序修補缺陷區域，可得到更完善之模型。</p> <p>A method of repairing an oral defect model is proposed and includes a three-dimensional oral defect model obtaining step, a defect cutting line detecting step, a defect point selecting step and a smoothing step. The three-dimensional oral defect model obtaining step is for driving a scanner to scan an oral cavity to obtain a three-dimensional oral defect model message. The defect cutting line detecting step is for driving a processor to detect a defect cutting line of the three-dimensional oral defect model message, and driving a displayer to display the defect cutting line. The defect cutting line includes at least one defect feature point. The defect point selecting step is for selecting the at least one defect feature point of the defect cutting line via the displayer. The smoothing step is for driving the processor to perform a smoothing process at the at least one defect feature point, and then converting the three-dimensional oral defect model message into a three-dimensional oral repaired model message, thereby smoothing the defect cutting line. Therefore, the method of repairing the oral defect model of the present disclosure utilizes the smoothing process to repair a defective region so as to obtain a better model.</p>		