

TRIOS 3 口掃入門課

Dental Desktop-台中場



旭達生技股份有限公司
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Dental Desktop



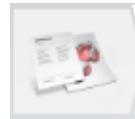
smilden The Smilden logo, consisting of the brand name in a blue sans-serif font followed by a blue square icon made of smaller squares.



Workflow



(1) Case creation 建立訂單



(2) Scanning 掃描



(3) Impression validation 檢查



(4) CAD design 數位設計

(5) Manufacturing 製造

(6) Seating 裝戴



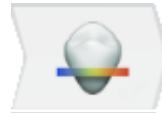
Trios 適應症

- Bridges (up to 5 units)
- Diagnostic wax-ups and digital temps
- Implants (single abutments)
- Implant bars and bridges (up to 3 units)
- Implant planning and surgical guides (only available after a purchase of the add-on module)
- Inlays
- Onlays
- Orthodontics and Splints (only available after a purchase of the add-on module)
- Post & core
- Removable Partial Dentures
- Single crowns
- Veneers



工作流程欄

- 在主3D窗口的頂部，引導您完成TRIOS®工作流程步驟：



OR



- [Scan lower jaw](#)
- [Scan upper jaw](#)
- [Scan bite](#)
- [Analyze scan or Anatomy Design](#)

1.掃描下顎 2.掃描上顎

3.掃描咬合 4.分析掃描 或 解剖設計

•完成步驟時會呈現綠色✓標記。

•如果上一步尚未完成，則無法進行下一步驟。

•當前步驟進行時會於工作流程中顯示亮度。

注意！訂單表單中為植體和Post&Core時，會出現額外的工作流程步驟。



Case 管理

Search 

1 Cases **2** New **3** Search **4** By date **5** By status **6** Hans Hugen **7** Case details **8** Model **9** 3D **10** Communicate **11** Inbox

Creation Date	Number	Items	Material	Color
29/03/2016 12:24:24	57140_20160329_1224_24	Crown 18,31	Zirkon	A1
28/03/2016 14:22:25	57140_20160328_1422_25	Crown 3	Wax	Red Wax
28/03/2016 14:22:09	57140_20160328_1422_09	No Items		
28/03/2016 10:27:48	68095_150304111202	Crown 3	Zirkon	Priti A1
25/03/2016 15:10:33	18970_141014115014	Bridge 8-10, Crown 9		
25/03/2016 15:04:35	59037_130220101849	Post And Core Standard 3,5		
25/03/2016 15:04:05	03046_131128124104	Abutment 8		

Case no.: 68095_150304111202 **Delivery date:** 28 March 2016 **3** Crown, Zirkon, Priti A1

Hans Hugen

3D **Scans** **Models** **Animations** **Print**

3shape Communicate

Inbox



約診時間 管理

1 Patients

2 Cases

31 Calendar

More

1 Thursday, Apr 28, 2016

2 < Today >

4 Cases

5 John Smith

6 John Smith

7 John Smith

8 John Smith

9 John Smith

10 John Smith

11 John Smith

12 John Smith

13 John Smith

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15 John Smith

16 John Smith

17 John Smith

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軟體開始介面

The screenshot illustrates the 3shape software interface with several key features highlighted:

- Management (1):** Located at the top left, this section includes icons for Patients, Cases, Calendar, and More. A red circle with the number 1 points to the Patients icon.
- Search (4):** A search bar labeled "Search for a patient" with a magnifying glass icon. A red circle with the number 4 points to the magnifying glass icon.
- Case Details:** Information for the case "Ed Doe" is displayed, including Case no.: 97728_20160622_1424_59, Delivery date: Wednesday, June 22, 2016, and 7.9 Bridge, Titanium, A1.
- Workflow (2):** Icons for Patient Record and Workflow Management. A red circle with the number 2 points to the Workflow icon.
- Tool Bar (3):** A vertical toolbar on the right side with icons for 3D view, camera, and video. A red circle with the number 3 points to the 3D icon.
- List View (5):** A list of recent items:
 - Wednesday, Dec 14, 2016: Crown 5.12
 - Tuesday, Nov 15, 2016: No items
 - Wednesday, Jun 22, 2016: Bridge 7-9 (highlighted with a red circle)
 - Tuesday, Apr 12, 2016: Surgical Guide 17-32.19-...A red circle with the number 5 points to the edit icon next to the Crown entry.
- 3D Image (6):** A detailed 3D rendering of a dental bridge model. A red circle with the number 6 points to the top edge of the bridge model.



處方 (技工單)

Back Next

Indication Crown Choose indication

Crown Zirkon, A1

Frame Material Zirkon

Abutment Color A1

Misc

Bridge

Removable

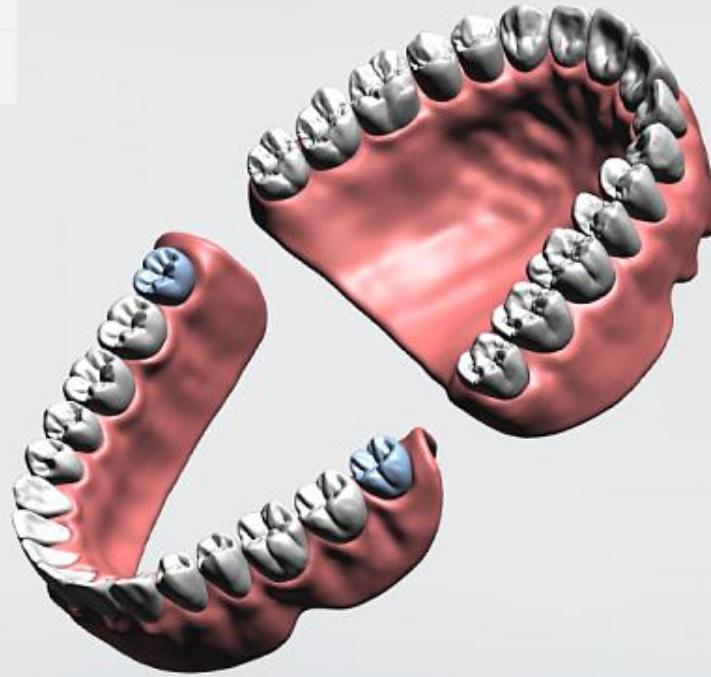
Gingiva

Model

Appliance

Implant Planning

Hans Hugen
12121212



Scan Settings

Pre-Preparation

View

3shape ▶



建檔 (技工單)

Back Next

Send to

1

Send to

Name: In-house

Delivery date: 29/03/2016

Patient

Name*: Search or create patient

ID:

Data of birth:

Case type

2

Digital impression

3

Clinical photos

Comments

Send to

3shape ▶ In-house

3shape ▶ ABC Dental Clinic

3shape ▶ Dental Clinic

3shape ▶ DentalClinic

Select default OK

Clinical photos

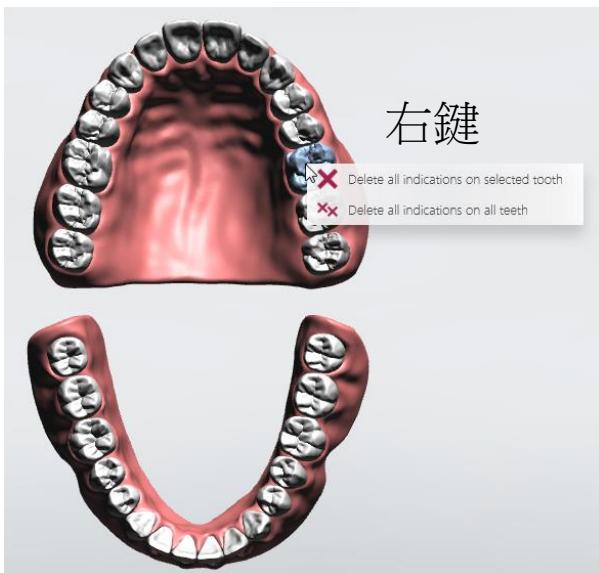


單顆牙冠

▶ Step 1: 選取牙位

▶ Step 2: 選擇贊復類型
包含 材質 顏色

移除選擇 **None**



John Doe

Back	Next				
Crown e.max CAD, A1		Indication Crown		Crown	②
Bridge		Material e.max CAD	e.max CAD	Crown Pontic	
		Color A1		Inlay	
				Veneer	
				- None -	

Scan Settings

Pre-Preparation

3shape ▶

預覽訂單或
發送列印



三顆牙橋

- ▶ **Step 1:** 選取牙位
- ▶ **Step 2:** 選擇贊復類型
包含 材質 顏色
- ▶ **Step 3:** 選擇 Pontic
- ▶ **Step 4:** 選擇贊復類型
包含 材質 顏色
牙橋材質需統一
移除選擇 **None**

Step 1: Select teeth (indicated by red circle 1).

Step 2: Select bridge type and material (e.max CAD, A1) (indicated by red circle 2).

Step 3: Select Pontic type and material (e.max CAD, A1) (indicated by red circle 3).

Step 4: Remove Pontic selection (indicated by red circle 4). The 'None' option is also shown.

Scan Settings: Pre-Preparation

3shape ▶



三顆牙橋-2

- ▶ **Step 5:** 選取所有牙
- ▶ **Step 6:** 選擇牙橋
覆復種類

The screenshot shows the 3shape dental software interface. At the top, there are navigation buttons for 'Back' and 'Next', and a user profile 'John Doe'. Below this is a toolbar with icons for different functions. The main area is titled 'Choose indication' and displays two categories: 'Bridge' and 'Indication Bridge'. Under 'Bridge', there are three options: 'Bridge' (selected), 'Monolithic' (Type: Monolithic), and 'None'. A red circle with the number '6' highlights the 'Bridge' option. In the center, there is a 3D model of a dental arch with a blue shaded area indicating the selection of teeth. A red circle with the number '5' highlights this shaded area. On the right side, there is a 'Scan Settings' panel with a 'Pre-Preparation' icon and a '3shape' logo.



建立一個新病例 增加新患者

- 步驟1：打開一個新的案例表格
- 步驟2：填寫指示設置
- 步驟3：選擇修復物的案例細節
在圖中選擇牙位並指定類型（牙冠，種植體等）。

The screenshot shows the main dashboard of the 3shape software. At the top, there are four main navigation icons: Patients (with a portrait icon), Cases (with a dental model icon), Calendar (with a calendar icon showing '31'), and More (with a three-line icon). Below these are two prominent buttons: 'New Patient' and 'New Case'. At the bottom left is a search bar with the placeholder 'Search for a patient' and a magnifying glass icon.

The screenshot shows the 'Add Patient' form. The title is 'Add Patient'. The form contains the following fields:

- Patient ID: An empty input field.
- First Name: An empty input field.
- Last Name: An empty input field with a red asterisk (*) next to it, indicating it is a required field.
- Date of birth: A field containing 'Ex. 02/02/1983' with a calendar icon to its right.
- Notes: An empty input field.



建立一個新病例

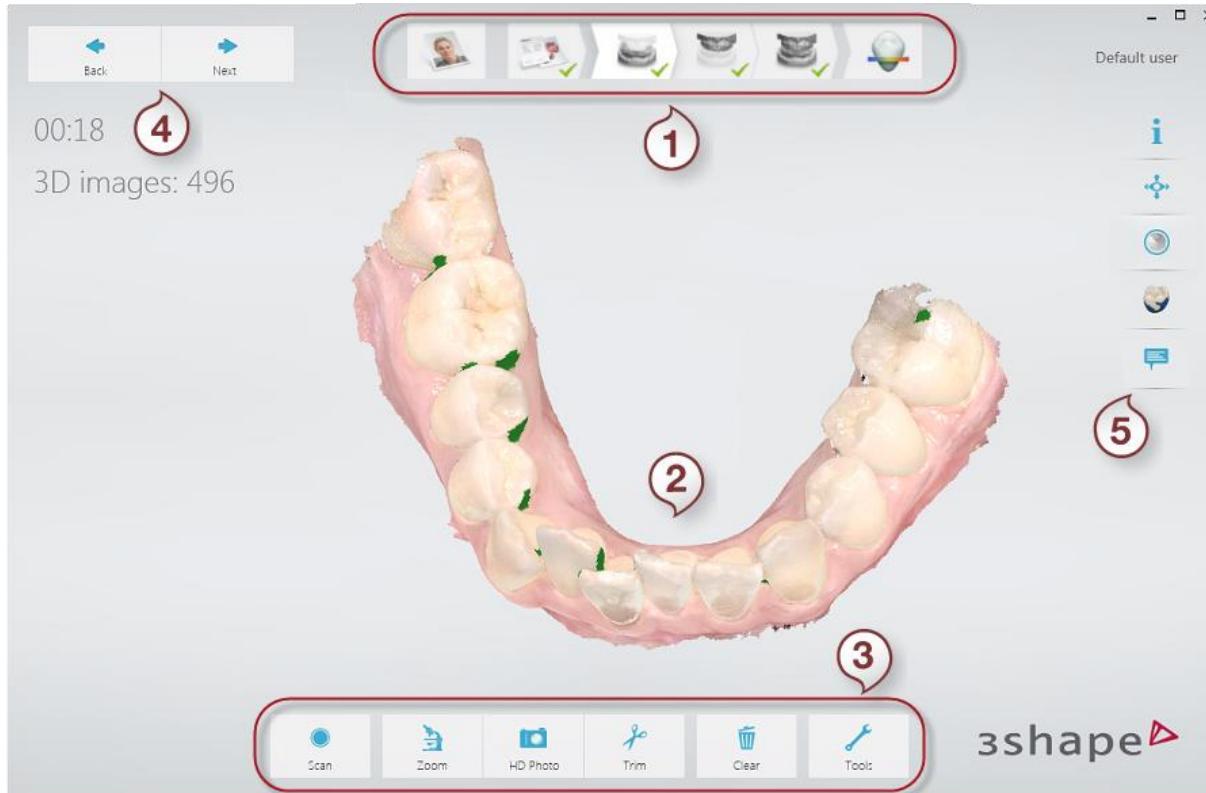
- 步驟1：打開一個新的案例表格
- 步驟2：填寫指示設置
- 步驟3：選擇修復物的案例細節
在圖中選擇牙位並指定類型（牙冠，種植體等）。





TRIOS® 界面組成：

1. 工作流程欄
2. 3D視圖
3. 掃描工具
4. 導航按鈕
5. 視覺化工具





掃描病人

The scanner is now ready.

Lower Upper Occlusion

This screenshot shows the 3shape software interface for dental scanning. At the top, there are 'Back' and 'Next' buttons, a navigation bar with icons for Patient, Scan, Model, HD Photo, Trim, and Tools, and a user name 'Nataly Smith'. On the right, there are three small circular icons with icons inside. In the center, a large box displays the message 'The scanner is now ready.' above three icons representing 'Lower', 'Upper', and 'Occlusion' scans. Each icon shows a dental model with a downward-pointing arrow indicating the scanning direction. At the bottom, there is another row of icons: Scan (green play button), Match tooth, High res (blue microscope), HD Photo, Trim, Clear, and Tools. A small 3D model of a dental arch is also visible in the bottom left corner.



預熱和放置掃描頭

步驟1：預熱掃描儀

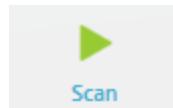
- POD系統：打開電腦，啟動TRIOS®應用軟件並附帶乾淨無菌的掃描儀尖端，讓掃描儀管完全預熱約5分鐘以防止掃描儀起霧。
- 螢幕上的進度條會顯示加熱過程，不建議在加熱結束前開始掃描。

步驟2：準備進行病人掃描

1. 用壓縮空氣輕輕吹乾牙齒。一定要到達牙齒之間的狹窄區域。亦可使用棉卷。
2. 照常準備牙齒，使用至少1條排齦線（3Shape建議使用2條排齦線）。
3. 在排齦線收縮備牙周圍的牙齦時，先掃描排銀區域的對咬牙。
4. 在掃描準備之前取出排齦線。
5. 掃描備牙區。

Better Results





掃描患者牙齒

- 建議先開始掃描備牙，掃描順序可用來優化邊界線的方法。

掃描過程邊框：

聆聽 “咔嗒” 聲，查看右下角的2D圖像

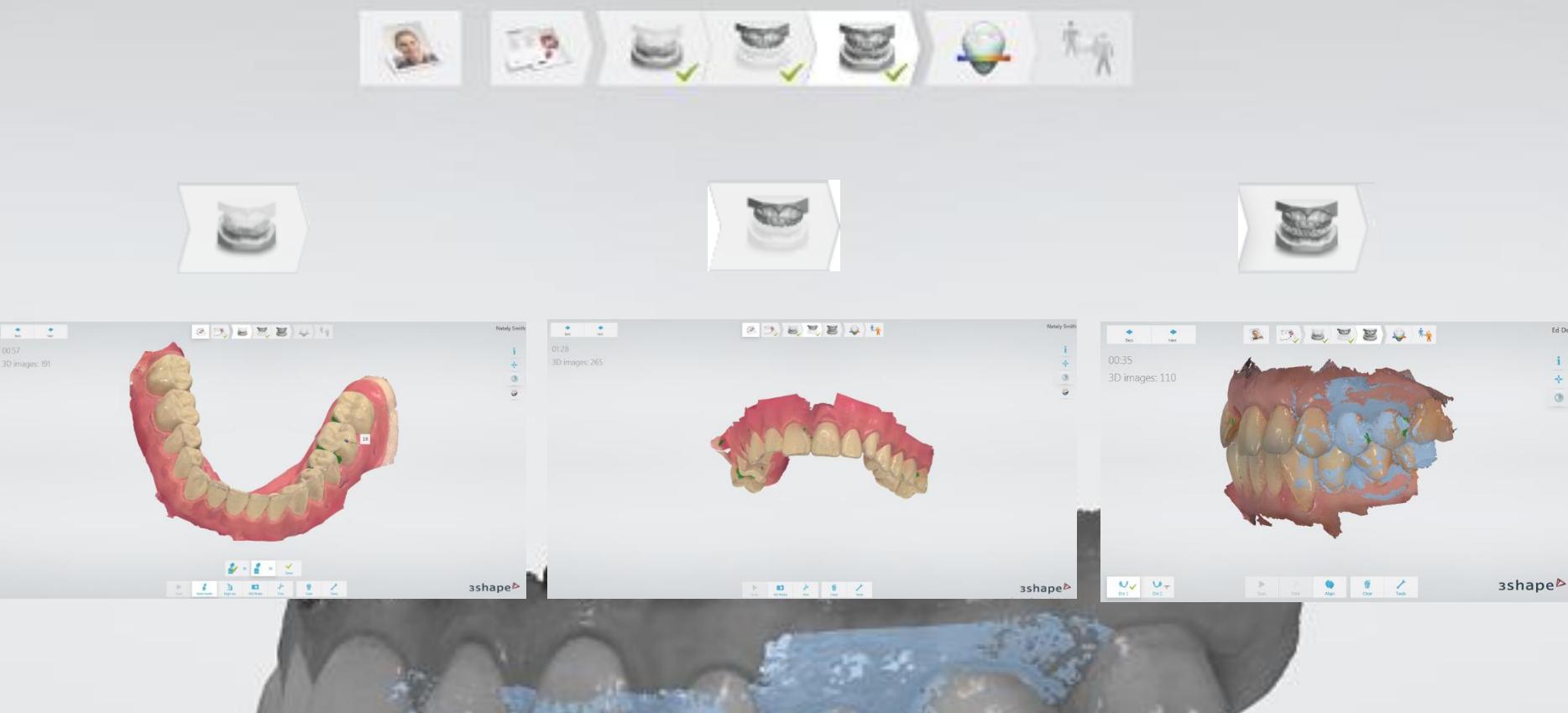
- 綠色 – 擷取是良好
- 黃色 - 由於掃描儀移動速度太快，捕捉不太理想。
- 紅色 - 根本沒有擷取到。請回到前一個位置或移動到咬合面。





掃描步驟

- 備牙顎 >> 對咬牙 >> 咬合Bite





掃描策略



1. 將掃描頭保持在與牙齒相距0-5mm的位置。

儀觸摸牙齒以獲得更好的結果。

2. 緩慢平穩地移動掃描儀，掃描時查看牙齒並聽取快速的“咔嗒聲”。如果它停止單擊/捕獲，查看右下角的2D圖像。你在這裡看到的是你掃描的內容。請小心地移回最後掃描的區域。

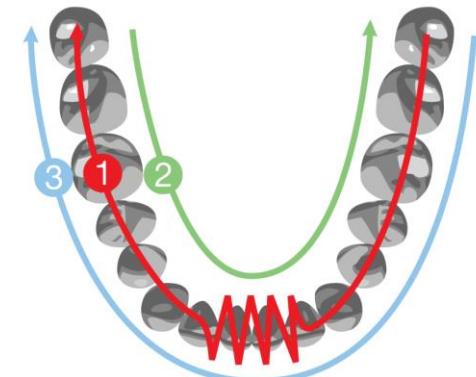
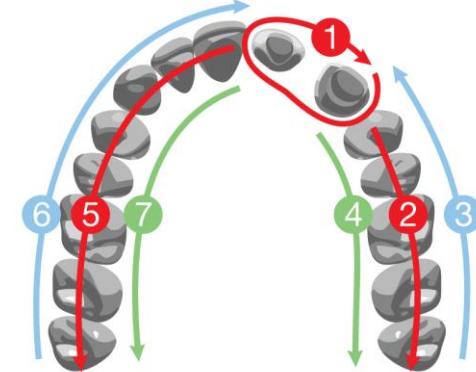
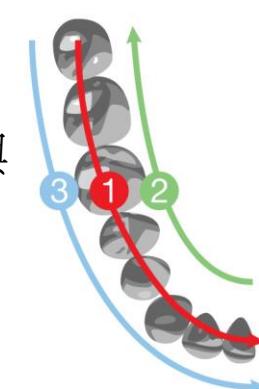
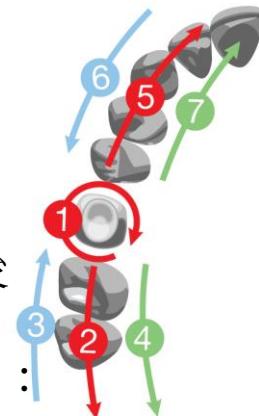
3. 保持嘴唇，臉頰和舌頭遠離掃描儀的視線：

- 用手指或牙科鏡在牙齒，嘴唇和臉頰之間留出空間。

- 如果您在掃描中得到嘴唇臉頰和舌頭或手指，請務必將其全部修剪，特別是在它們與牙齒接觸的地方

4. 掃描完成後，通過旋轉掃描檢查結果。重要的領域是：

- 邊緣線（避免牙齦，唾液，血液干擾）。
- 鄰接面，咬合面。





掃描策略

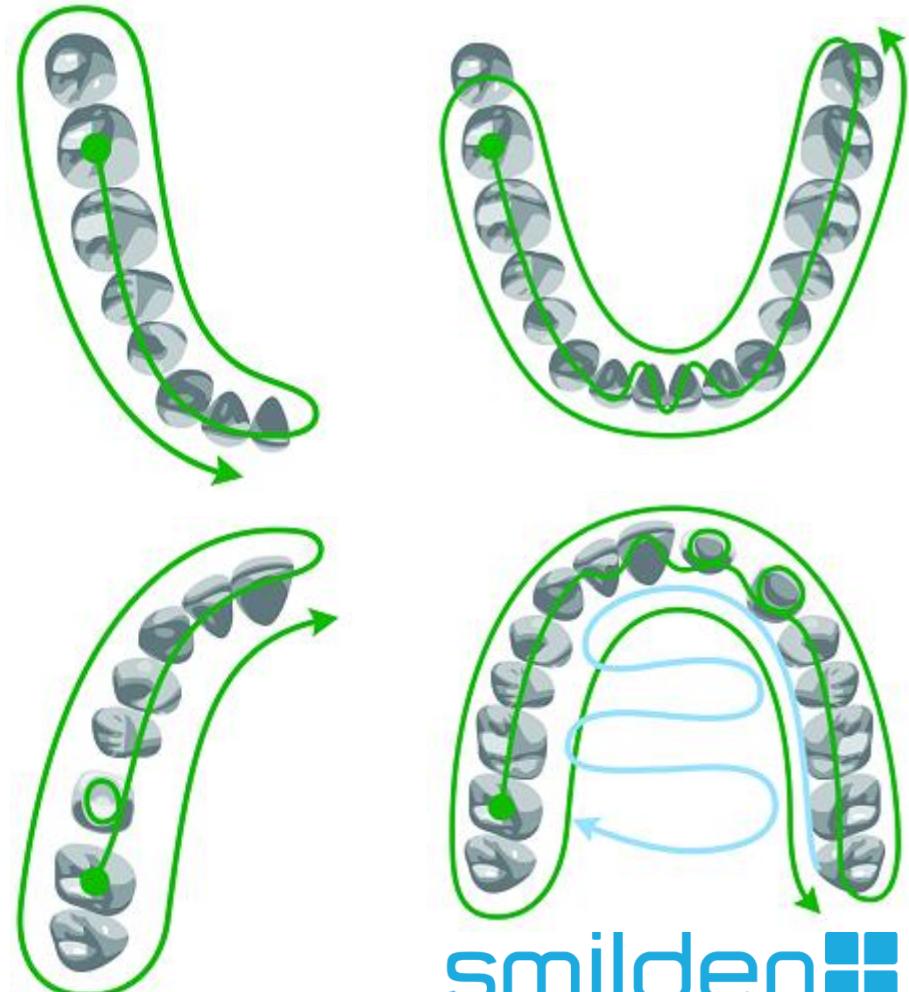
5. 掃咬合：

- 將掃描儀尖端壓在臉頰上，讓患者咬下來。
- 沿近心上下移動掃描4顆牙齒，以獲得最佳對齊效果。
- 首先通過覆蓋牙齦和牙齒掃描，主要是下頷。當掃描自動對齊到位時，將掃描儀向上移動到上頷牙齒和牙齦，直到它也對齊。

6. 對於好的顏色很重要：

- 避免牙醫椅燈的光線直接指向患者口腔。
- 以多個角度掃描，以消除任何變色或陰影。

0255897215 吳先



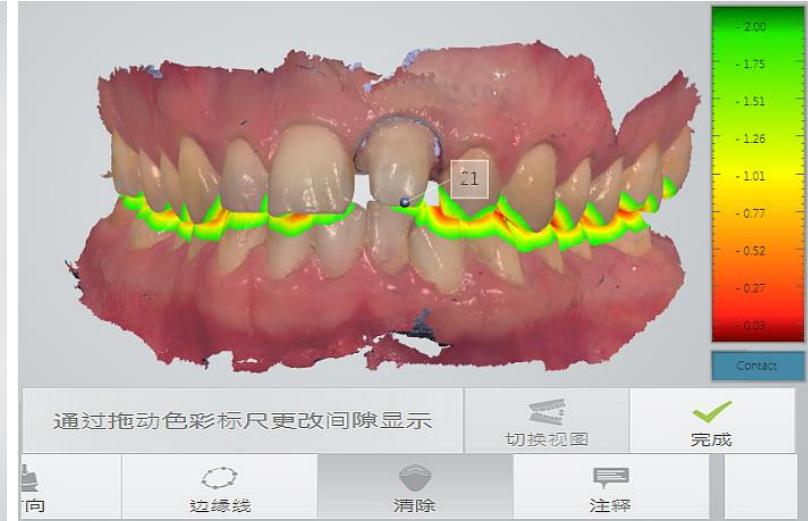


咬合 Bite



咬合對齊有三種方法

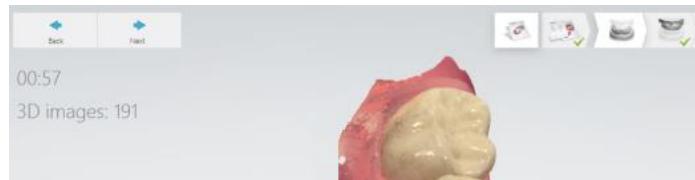
- Live , Automatic和Manual
時時對齊，自動對齊和手動對齊。
- 檢查咬合 -在分析掃描頁面分析準備與對咬之間的距離。

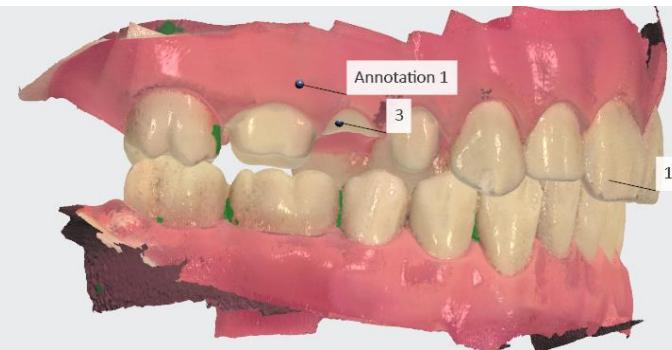




檢查掃描模型

- 置中
- 刪除
- 標記齒位





Shade Measurements must always be verified by the dentist before ordering.





視覺化工具

3D視窗右上角的工具欄 提供以下選項：

-  信息 - 打開特定操作的幫助頁面。
-  置中 - 將模型居中放置在螢幕中間。
-  表面 - 該按鈕用於打開和關閉掃描圖像。彩色掃描儀將在表面上顯示彩色圖像，TRIOS®3 Mono將在表面上顯示黑白圖像。
-  margins - 切換邊界線的可見性。在分析頁面上時，出現該按鈕可用放置margin line。
-  陰影 - 顯示陰影的特定區域。在掃描過程中會標記陰影的質量，以指示需要額外掃描才能正確顯示顏色。





查看模式

使用滑鼠

- 您可以使用以下鼠標按鈕進行3D模型操作：
- 左鍵單擊以在3D視圖中選擇並應用該工具。
- 在按住按鈕的同時右鍵點擊掃描。
- 滾輪單擊用於移動/平移掃描。

使用觸控

- 點擊選擇（對應於滑鼠左鍵）
- 觸摸並按住以打開上下文選單（對應於滑鼠右鍵單擊）
- 滑動以滾動（對應於滑鼠滾輪）

查看模式

- 解剖設計有兩種不同的視圖模式：正常和直立。
- 按下Ctrl + Alt + U鍵在模式之間切換。

查看模式



解剖設計有兩種不同的視圖模式：正常和直立。
按下Ctrl + Alt + U鍵在模式之間切換。

直立視圖模式是默認選項，當滑鼠旋轉時它保持水平掃描

正常視圖模式在轉動掃描時具有所有的自由度，專家模式





導航面板

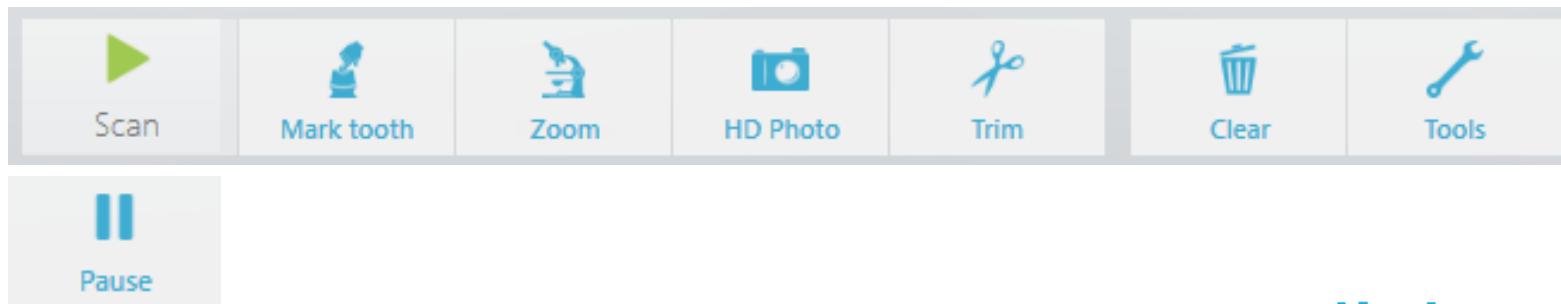
- 完成掃描後，長按掃描儀按鈕即可執行以下操作





掃描工具使用

- 掃描 - 開始掃描/暫停掃描
- 標記牙位
- 縮放/設置為高分辨率。重新掃描所需區域應用於準備標記周圍的區域，掃描儀在掃描時放大。
- 拍攝高品質照片到您的訂單
- 修剪
- 清除
- 工具





掃描工具使用(更多)



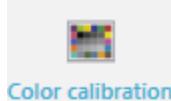
防止清除 - 鎖定案例，在磁盤已滿時自動移除案例時不會刪除案例。



播放掃描 - 播放掃描過程。



交換掃描 - 交換上下頷掃描。



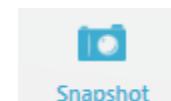
色彩校準 - 用於校準TRIOS®彩色掃描儀。



比色工具 (Shade Measurement)



鎖定表面 - 鎖定選定區域，使其不會在進一步掃描時被覆蓋。掃描後立即使用此功能避免牙齦縮回坍塌後，再度被掃苗覆蓋。



快照 - 將整個屏幕的圖像添加到訂單。



培訓中心 - 打開查看各種培訓材料視窗。



後處理並傳送訂單

Send to

The screenshot shows a software interface with a central 'Send to' dialog box. To the left, there's a sidebar with icons for 'Post process' (hourglass) and 'Tools' (wrench). The 'Send to' dialog contains four options:

- In-house**: Represented by a house icon with a circular arrow inside.
- 3shape DentalLab**: Represented by the 3shape logo.
- Hans Hugen**: Represented by the 3shape logo.
- James Brown**: Represented by the 3shape logo.



3Shape Communicate

3Shape Orthodontics



3shape ▶

smilden □



Sent to Lab傳送訂單

3shape ▶ Cases Connections Integrations Order Form More jocelynliu940@gmail.com

Add Connection

smilden	Type Email Phone Number	Lab order@smildenbio.com 0975828638	● Active	
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Integrations

angelalign時代天使 体育·训练局国家队运动员备战保障产品	AngelAlign	● Enabled	Disable integration
--------------------------------------	------------	-----------	-------------------------------------

ClearCorrect™	ClearCorrect	● Enabled	Disable integration
---------------	--------------	-----------	-------------------------------------

Invisalign (Align Technology, Inc.)	● Enabled	Disable integration
-------------------------------------	-----------	-------------------------------------

For more direct integration options, please visit the [3Shape website](#) to find other orthodontic solution providers in your region.



登出

3Shape CAM

Software build 1.4.3.0 (CL 312414 2016-12-14 10:34)

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Logout

換操作者/醫師



Shutdown



Cancel

3shape ▶

植牙口掃案例

Scanner connected
John Doe

Choose indication

Anatomy

Abutment
Titanium, Alpha-Bio-Tec, ARRC ARRC Ø3.3mm x 10...

Indication
Abutment

Misc

Bridge

Appliance

Implant Planning

Color A1

Send to Dental Clinic UA

Machine

Insertion group
Not in group

Abutment
Screw Retained Crown

Manufacturer
Alpha-Bio-Tec

System
ARRC

Confection 3.3

Material
Titanium

3shape

Scan Settings

Pre-Preparation

Emergence profile

3shape den

This screenshot shows the 3shape dental software interface. On the left, there's a sidebar with categories like Anatomy, Abutment, Misc, Bridge, Appliance, and Implant Planning. Under Implant Planning, it shows an Abutment selected (Screw Retained Crown, Alpha-Bio-Tec, ARRC system). The main area shows a 3D model of a dental arch with several implants and a screw-retained crown. Below the main view, there are two smaller views of the same arch from different angles. On the right, there's a 'Scan Settings' panel with options for 'Pre-Preparation' and 'Emergence profile'. The bottom right corner features the 'den' logo.



掃描

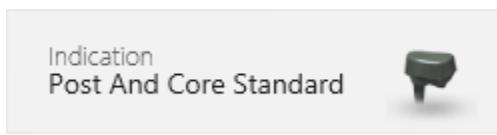
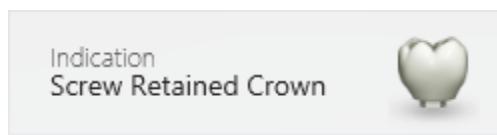


步驟3：建立訂單或打開現有訂單

- 有關創建/打開訂單的說明，請參閱創建案例一章。

步驟4：選擇掃描選項

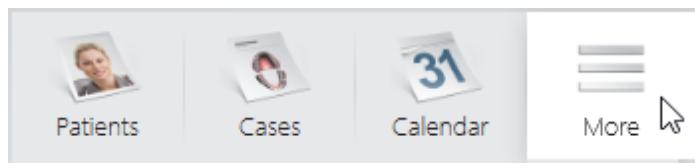
注意！如果在訂單表格中選擇了對應的工作類型（參見下圖），
掃描選項還包含用於掃描植體或 *Post and Core* 的按鈕：



步驟5：準備掃描



設定



• 使用者

	Add	Copy	Delete
Default user			
Hans DC			
Mike DL			
New user			

New user

Name: New user

Password:

Photo: Add

Personal settings

Profile: Dentist

Color system: Vita Classical

Preferred start page: Patients

Is administrator:

3Shape Communicate account

Login (e-mail):

Password:

Cutoff date: Select date

Allow other users to use this account:

Test connection: Test



區域設定

Regional settings

User interface language



語言

Miscellaneous

Tooth numbering system

Universal Numeric Notation

牙位

Name order

First name, Last name

Calendar

Duration of case (in minutes)

60

約診時間

Workday start

09:00

Workday end

18:00

Patient name privacy

Show toggle button



設定



Configure

- 聲音
- 操作者
- 牙技所

Sound

Mute On-screen Keyboard	<input checked="" type="checkbox"/>
Scanning Sound	<input checked="" type="checkbox"/>
Use sound effects	<input type="checkbox"/>
Scanning Sound Volume	<input type="range"/>
Sound Effect	Lock <input type="button" value="▼"/>
<input type="button" value="Play Selected Sound"/>	

Operator

Paul Budka	<input checked="" type="checkbox"/> Add new <input type="checkbox"/> Modify <input type="checkbox"/> Delete
Name	Paul Budka
Password	<input type="password"/>
Is administrator	<input checked="" type="checkbox"/>
Automatically login	<input checked="" type="checkbox"/>
Photo	

Order

41 Thorpe Street, Manchester 272HDA	Dentist address
UNN	Tooth numbering system
Vita Classical	Shade system
<input checked="" type="checkbox"/>	Remember last indication settings
Calendar	
Time interval between orders (in minutes)	60
Workday start	7:00 AM
Workday end	7:00 PM
Patient names privacy	<input type="checkbox"/>
Show toggle button	<input checked="" type="checkbox"/>



Lab Connections

- 訂單管理-牙位系統,比色系統,約診時間
- 掃描管理- 3D 校正(7天)
- 彩色校正 (30天)





其他設定



- 聲音
- 操作者
- 牙技所



Lab Connections

Calibration and shade

3D calibrate scanner **3D calibrate scanner**

Shade measurement enabled

- 訂單管理-牙位系統,比色系統,約診時間
- 掃描管理- 3D 校正(7天)
- 彩色校正 (30天)





清潔消毒掃描頭

- 每個患者更換
- 高溫高壓消毒鍋-134度4分鐘/121度45分鐘
使用溫水和軟刷清洗-消毒管袋
建議次數 150次 (鏡面)
- 或高層次消毒液 CIDEX OPA 泡消
清潔劑清洗-泡消-沖洗-拭乾



smilden

Thank you !

I'm Jocelyn

劉 宏 姿 Jocelyn Liu

經理 Manager

數位牙科營業部 台中營業所 D.D. Sales Dept.

3shape ▶



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liujocelyn

