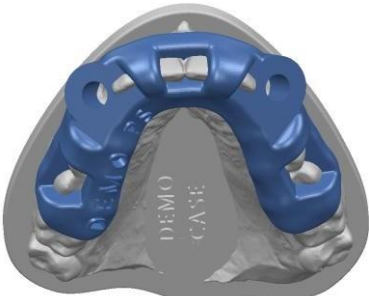
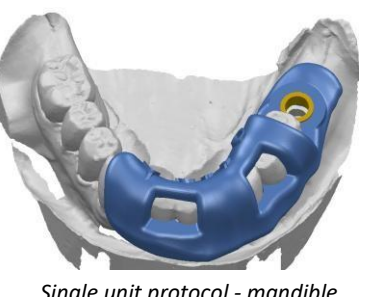


Surgical Procedures - Createch Medical 3D Printed Surgical Guide -

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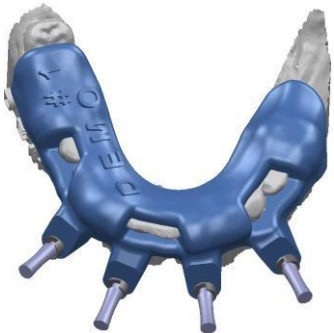
Partial Arch: Dentate Patients (single guide procedure) Single Unit (Teeth-supported implant placement guide)

 <p><i>Single unit protocol - maxilla</i></p>  <p><i>Single unit protocol - mandible</i></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="background-color: #cccccc; text-align: center;">Materials</th> </tr> <tr> <td style="padding: 5px;"> <input type="checkbox"/> Createch Medical 3D printed surgical guide <input type="checkbox"/> Guided surgical kit and auxiliaries </td> </tr> <tr> <th style="background-color: #cccccc; text-align: center;">General procedure</th> </tr> <tr> <td style="padding: 5px;"> <ol style="list-style-type: none"> 1. Seating - Proceed to the seating of the surgical guide onto the patient's dentition. Verify the fit through the inspection windows and the periphery of the interface. ✓ <i>The fit of the surgical guide must be identical both onto the patient and onto the model. Obtaining a reproducible fit is crucial for the surgical outcome.</i> 2. Guided Osteotomy - Proceed to the guided implant osteotomy according to the case-specific GSI document and the instructions for use from the implant and surgical kit manufacturer. 3. Guided Implant Insertion (if applicable) - Guided implant insertion is available for certain compatible surgical kits. Refer to the implant manufacturer's instructions for use. </td> </tr> </table>	Materials	<input type="checkbox"/> Createch Medical 3D printed surgical guide <input type="checkbox"/> Guided surgical kit and auxiliaries	General procedure	<ol style="list-style-type: none"> 1. Seating - Proceed to the seating of the surgical guide onto the patient's dentition. Verify the fit through the inspection windows and the periphery of the interface. ✓ <i>The fit of the surgical guide must be identical both onto the patient and onto the model. Obtaining a reproducible fit is crucial for the surgical outcome.</i> 2. Guided Osteotomy - Proceed to the guided implant osteotomy according to the case-specific GSI document and the instructions for use from the implant and surgical kit manufacturer. 3. Guided Implant Insertion (if applicable) - Guided implant insertion is available for certain compatible surgical kits. Refer to the implant manufacturer's instructions for use.
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Surgical Procedures - Createch Medical 3D Printed Surgical Guide -

Full Arch: Dentate or Edentulous patients (multiple guide procedure)

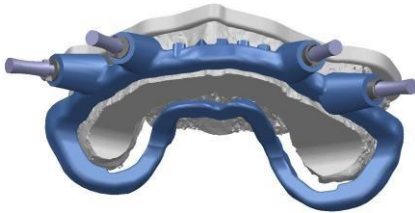

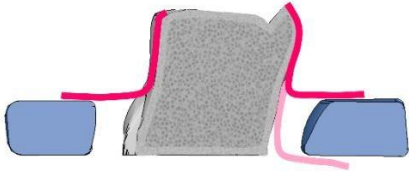
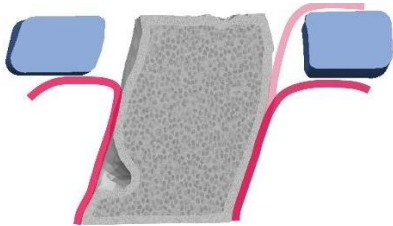
Guide Anchor Preparation (Anchoring Guide)

 <p>Anchoring guide – edentulous patient</p>	<table border="1" style="width: 100%;"> <thead> <tr> <th style="background-color: #cccccc;">Materials</th> </tr> </thead> <tbody> <tr> <td> <input type="checkbox"/> Anchoring system pilot drill and fixation pin(s) <input type="checkbox"/> Createch Medical 3D printed surgical guide </td> </tr> </tbody> </table>	Materials	<input type="checkbox"/> Anchoring system pilot drill and fixation pin(s) <input type="checkbox"/> Createch Medical 3D printed surgical guide
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 <p>Anchoring guide – dentate patient</p>	<table border="1" style="width: 100%;"> <thead> <tr> <th style="background-color: #cccccc;">General procedure</th> </tr> </thead> <tbody> <tr> <td> <ol style="list-style-type: none"> 1. Seating - Proceed to the seating of the surgical guide onto the patient’s current condition. For an edentulous patient, verify the occlusion by asking the patient to bite firmly. For a dentate patient, verify the fit through the inspection windows and the periphery of the interface. <ul style="list-style-type: none"> ✓ <i>Obtaining a reproducible fit is crucial for the surgical outcome.</i> ✓ <i>The occlusion on the surgical guide must be identical to the occlusion on the prosthesis used for the CT scan. A bite index can be used to stabilize the occlusion (edentulous).</i> ✓ <i>The fit of the surgical guide must be identical both onto the patient and onto the model (dentate).</i> 2. Drilling - Using the anchoring drill specified in the protocol document, prepare anchoring sites by drilling to full depth. 3. Anchoring - Insert the pins through the guide into their respective anchoring sites, in a non-sequential manner. <ul style="list-style-type: none"> ✓ <i>The pins must be fully inserted, with their handle in contact with their respective guide sleeve.</i> ✓ <i>Stable anchoring of the surgical guide is crucial for the surgical outcome.</i> 4. Removal – Remove all pins and retrieve the surgical guide </td> </tr> </tbody> </table>	General procedure	<ol style="list-style-type: none"> 1. Seating - Proceed to the seating of the surgical guide onto the patient’s current condition. For an edentulous patient, verify the occlusion by asking the patient to bite firmly. For a dentate patient, verify the fit through the inspection windows and the periphery of the interface. <ul style="list-style-type: none"> ✓ <i>Obtaining a reproducible fit is crucial for the surgical outcome.</i> ✓ <i>The occlusion on the surgical guide must be identical to the occlusion on the prosthesis used for the CT scan. A bite index can be used to stabilize the occlusion (edentulous).</i> ✓ <i>The fit of the surgical guide must be identical both onto the patient and onto the model (dentate).</i> 2. Drilling - Using the anchoring drill specified in the protocol document, prepare anchoring sites by drilling to full depth. 3. Anchoring - Insert the pins through the guide into their respective anchoring sites, in a non-sequential manner. <ul style="list-style-type: none"> ✓ <i>The pins must be fully inserted, with their handle in contact with their respective guide sleeve.</i> ✓ <i>Stable anchoring of the surgical guide is crucial for the surgical outcome.</i> 4. Removal – Remove all pins and retrieve the surgical guide
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Surgical Procedures - Createch Medical 3D Printed Surgical Guide -

2. Full Arch: Dentate or Edentulous patients (multiple guide procedure)



If applicable, Ridge Adaptation (Bone Reduction Guide)

Materials	
 <p><i>Bone reduction guide - maxilla</i></p>	<ul style="list-style-type: none"> <input type="checkbox"/> Anchoring system fixation pin(s) <input type="checkbox"/> Bone reduction tools are left to the clinician's discretion <input type="checkbox"/> Createch Medical 3D Printed Surgical guide
 <p><i>Bone reduction guide - mandible</i></p>	
General procedure	
 <p><i>Flap management (2 options) - maxilla</i></p>	<ol style="list-style-type: none"> 1. Flap and Extractions – Proceed to the separation of the flap along the region prone to be reduced and to the extraction of all remaining teeth (if applicable). <ul style="list-style-type: none"> ✓ <i>The oral flap may be reflected over or under the guide's ramification. In either situation, the guide's coronal surface dictates the planned reduction profile (refer to images in left column).</i> 2. Anchoring – Select a well-defined anchoring entry point and insert a pin through the guide and into the corresponding anchoring site. Verify the stability as the remaining pins are inserted. <ul style="list-style-type: none"> ✓ <i>Stable anchoring of the guide is crucial for the surgical outcome. The pins must remain fully inserted, with their handle in contact with their respective guide sleeve.</i> 3. Reduction – Proceed to the reduction of the bone protruding coronally to the guide's reduction profile. <ul style="list-style-type: none"> ✓ <i>Make sure to preserve the bone around every anchoring entry point while reducing the crestal bone.</i> ✓ <i>Refer to the case-specific protocol document for approximate reduction measurements for each site.</i>
 <p><i>Flap management (2 options) - mandible</i></p>	

Surgical Procedures - Createch Medical 3D Printed Surgical Guide -

Full Arch: Dentate or Edentulous patients (multiple guide procedure)

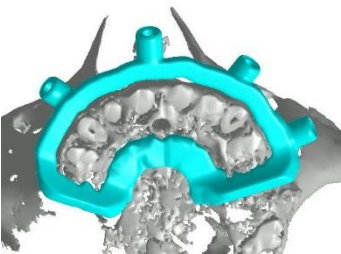
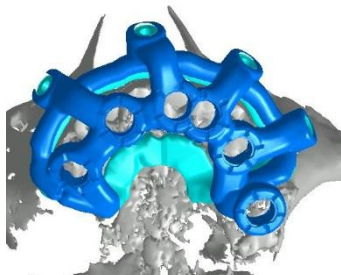
Implant Placement (Implant Placement Guide Pin Supported)

 <p><i>Implant placement guide - maxilla</i></p>  <p><i>Implant placement guide - mandible</i></p>	Materials
	<ul style="list-style-type: none"> <input type="checkbox"/> Anchoring system fixation pin(s) <input type="checkbox"/> Guided surgical kit and auxiliaries <input type="checkbox"/> Createch Medical 3D printed surgical guide
	General procedure
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Surgical Procedures - Createch Medical 3D Printed Surgical Guide -

Full Arch: Dentate or Edentulous patients (multiple guide procedure)

Implant Placement (Implant Placement Split Guide/Stackable)

	Materials
<p><i>Bone reduction guide - maxilla</i></p>  <p><i>Implant placement split guide/stackable - maxilla</i></p>	General procedure

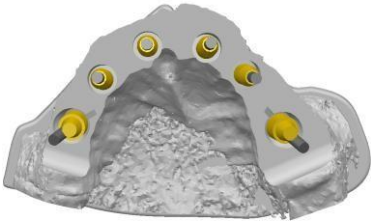

- Anchoring system fixation pin(s)
- Guided surgical kit and auxiliaries
- Createch Medical 3D printed surgical guide

1. **Seating** - Proceed to the seating of the surgical guide assembly onto the bone reduction guide (stackable guide).
2. **Guided Osteotomy** – Proceed to the guided implant osteotomy according to the first page of the case-specific protocol document and the instructions for use from the implant and surgical kit manufacturer.
3. **Guided insertion and indexing (if applicable)** – Guided implant insertion and indexing is available for certain compatible surgical kits. The indexing marks on the guide indicate where to align the rotational marker of the insertion tool to have an optimal positioning of the angled abutment. Refer to the implant manufacturer’s instructions for use.
 - ✓ *Please adjust the implant bed preparation according to each site’s individual bone quality and anatomical situation.*
4. **Removal** – Remove all pins and retrieve the surgical guide.

Surgical Procedures - Createch Medical 3D Printed Surgical Guide -

Full Arch: Dentate or Edentulous patients (multiple guide procedure)

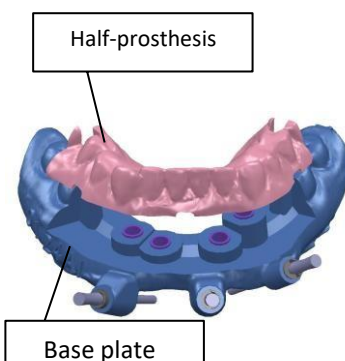


If applicable, Abutment and Provisional Prosthesis Installation (Guided Provisional Prosthesis)

 <p>Bone model – featuring abutments and screw access channels</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #cccccc;">Materials</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"> <input type="checkbox"/> Specific anchoring system fixation pin(s) <input type="checkbox"/> Createch Medical 3D printed surgical guide </td> </tr> </tbody> </table>	Materials	<input type="checkbox"/> Specific anchoring system fixation pin(s) <input type="checkbox"/> Createch Medical 3D printed surgical guide
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 <p>Guided provisional prosthesis</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #cccccc;">General procedure</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"> <ol style="list-style-type: none"> 1. Abutment installation – Install the abutments onto the implants and install the titanium copings onto the abutments. ✓ <i>The installation of a rubber dam is recommended at this stage to protect the underlying tissue and abutment interface during the luting stage.</i> 2. Guided Occlusion – Establish the occlusion by seating the prosthesis over the copings and by inserting a first pin through and at full depth into its respective anchoring site. Verify the occlusion and stability as the remaining pins are inserted. 3. Conversion and loading – Proceed to luting the copings to the prosthesis. Retrieve it from the patient’s mouth to proceed to its conversion into the provisional prosthesis before final adjustments and loading. </td> </tr> </tbody> </table>	General procedure	<ol style="list-style-type: none"> 1. Abutment installation – Install the abutments onto the implants and install the titanium copings onto the abutments. ✓ <i>The installation of a rubber dam is recommended at this stage to protect the underlying tissue and abutment interface during the luting stage.</i> 2. Guided Occlusion – Establish the occlusion by seating the prosthesis over the copings and by inserting a first pin through and at full depth into its respective anchoring site. Verify the occlusion and stability as the remaining pins are inserted. 3. Conversion and loading – Proceed to luting the copings to the prosthesis. Retrieve it from the patient’s mouth to proceed to its conversion into the provisional prosthesis before final adjustments and loading.
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Surgical Procedures - Createch Medical 3D Printed Surgical Guide -

Full Arch: Edentulous patients (Split Guide flapless procedure)

Guide Anchor Preparation and Implant Placement

 <p style="text-align: center;"><i>Split guide – separate parts</i></p>  <p style="text-align: center;"><i>Split guide – guide assembly</i></p>  <p style="text-align: center;"><i>Split guide – base plate</i></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="text-align: center; padding: 5px;">Materials</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"> <input type="checkbox"/> Anchoring system pilot drill and fixation pin(s) <input type="checkbox"/> Guided surgical kit and auxiliaries <input type="checkbox"/> Createch Medical 3D printed surgical guide </td> </tr> <tr style="background-color: #cccccc;"> <th style="text-align: center; padding: 5px;">General procedure</th> </tr> <tr> <td style="padding: 5px;"> <ol style="list-style-type: none"> 1. 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