# Ivotion Denture Offering
## Default Design Standards

| System Step | Design Step | Description |
|---|---|---|
| **Prepare** | **Model Creation (IOS)** | Bite alignment or checking alignment is going to be done for each case. |
| | | All scans to be refined. |
| | | All scans will be trimmed 2-3mm beyond the sulcus to keep as much tissue as possible. |
| | **Tooth Removal** | All teeth will be removed (Including roots, if roots should stay, customers need to specify in instructions) |
| | | All locators and bars are going to be maintained as default and blocked out. If they should be removed customers need to specify in instructions |
| | | Tooth removal is going to be following the ridge line, with no deep scalloping. |
| | **Post Dam** | No Post Dam (default). |
| | **Repair Model** | Minor scans imperfections will be adjusted accordingly, such as holes or bubbles. |
| | | In the case of extra material compromising the design, the denture will be placed on hold. |
| **Model Analysis** | **Occlusal Plane** | Reference Denture: OP will be followed, if no teeth set up changes codes are present. |
| | | Bite Block Denture: OP will be followed, if no teeth set up changes codes are present. |
| | | Immediate denture: OP will be followed or improved according to the patient's existing teeth. |
| | **Characteristic Points** | Points to be placed according to patient's ridges and anatomy. |
| | **Upper Jaw Boundary** | Border placement to be positioned 0.5mm beyond the sulcus. |
| | **Lower Jaw Boundary** | Border placement to be positioned 0.5mm beyond the sulcus. Anterior area will be on the sulcus to allow muscles insertion movement. Retromolar pads in triangle shape to avoid covering retentive areas |
| **Surveying and Blocking Out** | **Blocking Out** | Insertion direction will be moved from 0 to 10 degree's according to the patient's ridge to improve retention. |
| | | No block out angle will be done. |
| | **Wax Trimming** | Minimal block out (red and orange areas only) will be done if no other code is selected. |
| | | Wax thickness to be done at a minimum to avoid fitting issues. |
| **FDI Initial Set Up** | **Smile Composer** | Ideal set up is going to be done in all cases. According to patient's ridges, teeth position references and codes. |
| | | **IF NO CODES SELECTED:** |
| | | Patient's ridges will be followed for class bite. |
| | | Default teeth combination will be selected depending on the shape. **Only Ivotion libraries.** |
| | | **VDO: Must have a minimum of 20mm from ridge to ridge.** Maintained as the customer sent it. If it's too closed, designer will reach out to customer service/place on hold to request opening. |
| | | Curve of Spee no higher than 1mm in the second molar |
| | | No teeth morphing allowed |
| | | **Bite Class Overlap Defaults:** |
| | | Class I: OB 1-2mm. OJ: 1-2mm |
| | | Class II: OB: 1-1.5mm. OJ: 1.5-4mm. |
| | | Class III: OB: 0-(-)1mm. OJ: -1-(-)2mm. |
| | **Maxillary base** | Base Thickness 2.5mm. No relief. Drill compensation ON. |
| | | Festooning tool selected: Natural. |
| | **Mandibular base** | Base Thickness 3.0mm. No relief. Drill compensation ON. |
| | | Festooning tool selected: Natural |
| **Anatomy Design** | **Connectors** | Setting connectors to minimum: 70,70,60 |
| | **Sculpt Anatomy** | Occlusion adapted at 0.0mm. Using the articulator we will adapt to 0.05mm on any contacts needing balanced occlusion. |
| | | Single cases will be adapted by hand with the morphing tool when there is deep contacts. |
| | **Sculpt Denture Base** | Festoon will be designed according to bicolor disk |
| | | Gingival margins to follow green line of teeth libraries (length). |
| | | No pink/white will overlap with bicolor disk. |
| | | **If bicolor disk overlaps in retromolar pad area or in bulky gingiva case is to be placed on hold and request to change to two piece case.** |
| | **Coupling mechanism** | Settings to be maintained |
| | **Pre-Manufacturing** | Settings to be maintained |

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