MANUAL

IntraOral Pro Scanning

IPS Full Arch

S.I.N.


S. I. N.
INTRAORAL PRO SCANNING
IPS Full Arch
Starter

Intraoral Pro Scanning (IPS Full Arch)

Intraoral Pro Scanning (IPS Full Arch) is an innovative scanning system for full arches. Its devices feature an exclusive scanning surface, developed to provide the best clinical experience for both the professional and the patient, ensuring high efficiency and precision in implant-supported rehabilitation procedures.

Obtaining an accurate digital model of fully edentulous arches is considered a challenging procedure due to the absence of stable anatomical references. In full-arch implant-supported rehabilitations, precision in transferring the three-dimensional positioning of the prosthetic abutments is fundamental to clinical success. In the digital workflow, the use of conventional vertical scanbodies for scanning has limitations due to the restricted number of available references, which may result in treatment failure.

Therefore, **S.I.N.** brings to the market a new positioning transfer device developed to solve the current difficulties in transferring complete arches through the digital workflow.

IPS Full Arch was created as a set of auxiliary devices for the digital transfer phase of full-arch implant-supported rehabilitation cases within the digital workflow. These devices ensure ideal conditions for obtaining the exact location of the prosthetic abutments positioned in the oral cavity.

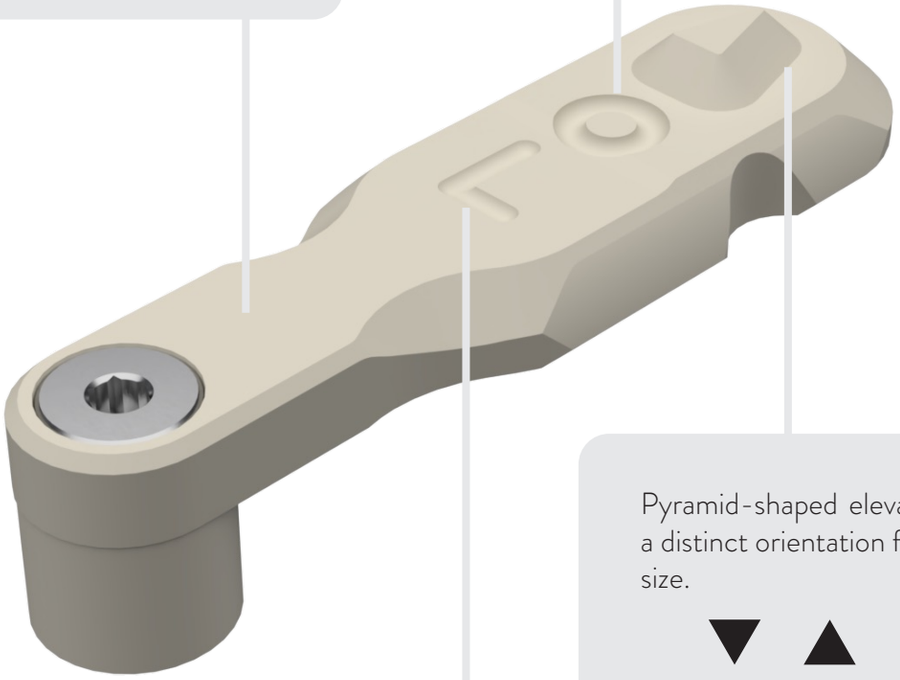
Its function is to provide a scannable surface to enhance the acquisition process of the three-dimensional position of the prosthetic abutments (Miniabutment) installed in the oral cavity and, therefore, obtain a digital model with greater accuracy in a simple, fast, and reliable way.

The Product

Unlike traditional scanning jigs, IPS Full Arch features a horizontal surface with several reference points, providing scanners with more recognition information.

Geometric references that distinguish jigs with the same dimensions.

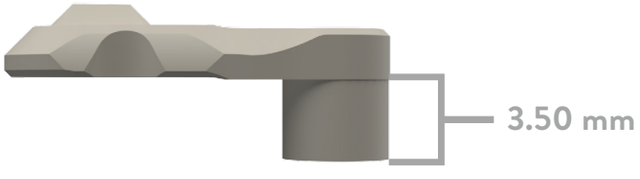




Pyramid-shaped elevation, with a distinct orientation for each jig size.

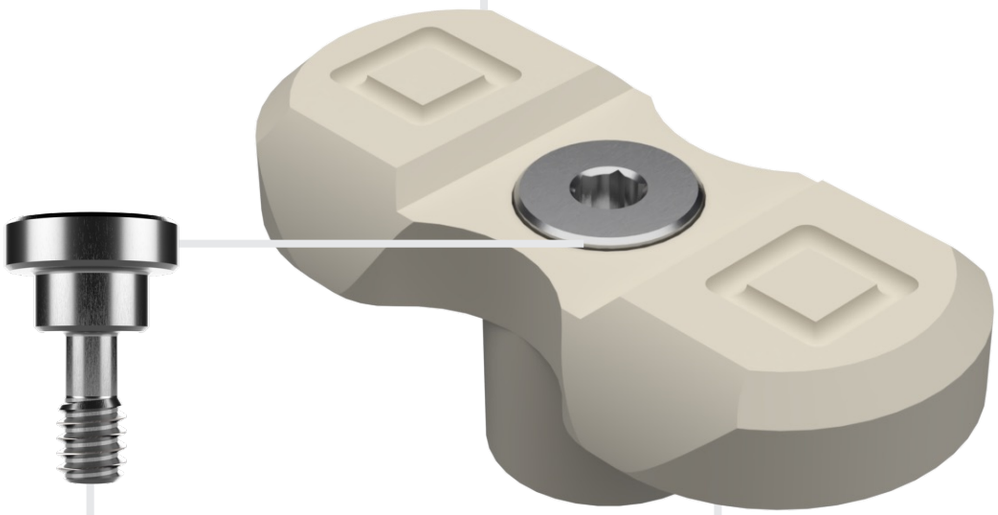
Device size indicator.

L M S



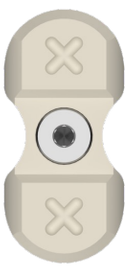


Geometric references on both rods to assist scanner identification.



Screw that simplifies positioning and provides better jig stabilization.

The double-rod model (T) is recommended for cases with very close implants, facilitating correct jig positioning.



T Model

ATTENTION, USER!

Proper scanning is essential to ensure treatment success. Although IPS Full Arch facilitates this procedure, more complex cases require the operator to have more in-depth technical knowledge. Therefore, when necessary, previous training with extraoral models is recommended to improve understanding of the applied protocols.

To ensure the ideal performance of IPS Full Arch, it is essential to perform all steps carefully, including proper positioning of the jigs, any necessary adjustments to the scanner software settings, and execution of the scanning procedure according to one of the recommended strategies.

For more specific information regarding equipment, software, or third-party components used in combination with IPS Full Arch, please contact the respective companies directly.

Note: *The products presented in this manual may not be available in all markets. Please consult a S.I.N. representative for more information.*

TO ENSURE THE BEST PERFORMANCE, FOLLOW THESE RECOMMENDATIONS:

1. The positioning protocol and scanning strategy should be assessed individually for each clinical case. Prioritize protocols and strategies that optimize scanning, avoiding anatomical interferences, extensive capture areas, and excessive scanner movement.

2. In mandibular rehabilitations, due to greater anatomical interference, it is recommended to position the jigs with their ends aligned with the edentulous ridge.

3. The devices should be positioned so that, after all jigs are installed, their ends remain as close as possible, without overlapping or contact between them.

4. If there is compression of the rod against the soft tissues and the jig does not properly fit onto the prosthetic abutment, change the model or adjust the position of the device. If the problem persists, evaluate replacement of the abutment.

5. Check for the absence of overlap on the scannable surfaces and use dental floss to ensure there is no contact between the jigs.

6. Remove the external light from the dental chair lamp and, using controlled air jets, eliminate moisture and salivary residues from the scanning surface of the jigs.







Key Benefits

Greater accuracy
The exclusive design features different characteristics that increase scanning precision.

Reduced clinical time
Significantly reduces the time required to acquire the digital model and decreases the number of scanning failures.

Practicality
Devices are easy to install, position, and remove.

Repeatability
Unlike the conventional scanbody (conventional jig), **IPS** can be reused up to 100 times.

Patient comfort
The design enables a faster and more efficient workflow, reducing the time the scanner remains in the oral cavity.

Workflow

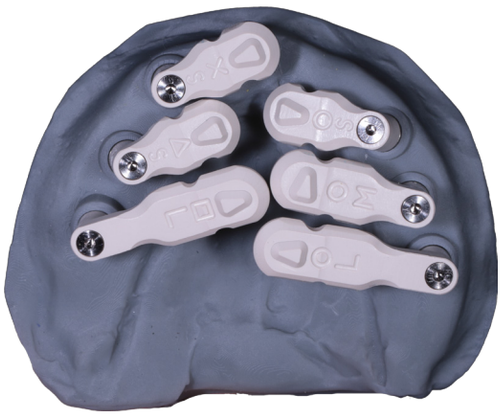
1. Installation Instructions

Step 1: Identify the compatibility of the prosthetic abutment with the scanning jig platform and retention screw.

Step 2: Quantify and measure the distances between the installed prosthetic components.

Step 3: Choose the jig models to be installed, ensuring that the ends of the devices remain as close as possible.

Step 4: Attach each device to the platform of the prosthetic component and tighten it with the hexagonal digital driver to ensure stability.
The jigs can be positioned in two different patterns, depending on the scanning protocol intended for use.



Centered



Along the edentulous ridge

2. Scanning Instructions

Step 1: In the scanner software, create a new case by entering the patient's data and select the scanning option for the corresponding arch.

Step 2: Before starting the scan, set the scanner's depth of field to maximum and disable the scanning filters or any auxiliary artificial intelligence.

Note: Older scanning equipment may not have these adjustment options. If you have any questions, consult the manufacturer's technical support.

Step 3: Perform the scanning strategy according to one of the recommended protocols, with the jigs directed toward the center of the arch or aligned along the edentulous ridge.

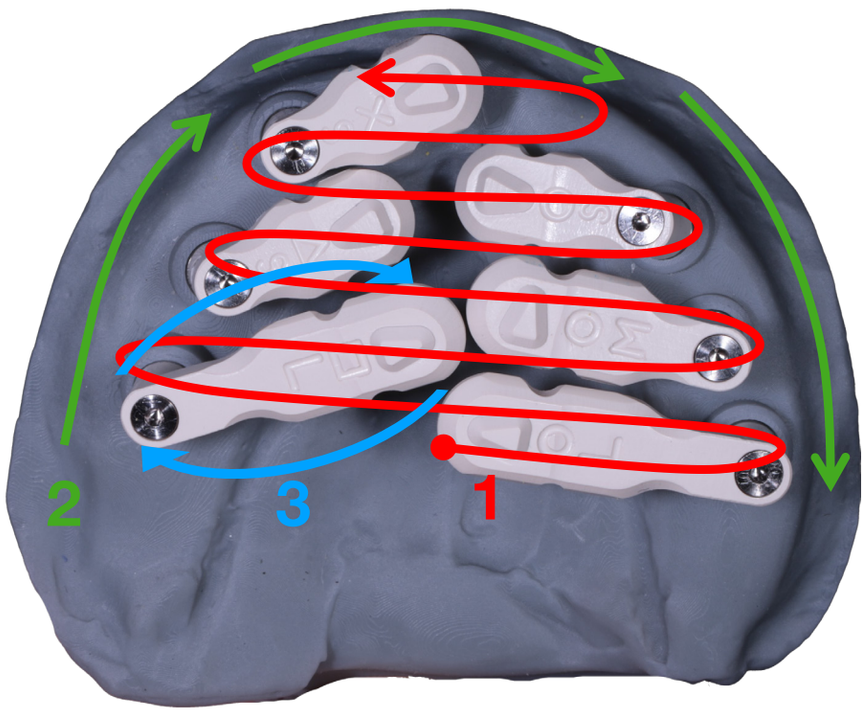
Scanning Protocol – Centered

Step 1: Position the scanner tip over the scanning surface of the jig on the left side, maintaining an adequate distance. Start image capture from the end with the shortest distance between the devices (center of the palate) and move along the rod toward the buccal surface of the device, recording the main positioning guides. Then, return continuously to the buccal end of the jig on the opposite side. Continue scanning with oscillating movements across the entire scanning surface of all devices.

Step 2: Tilt the scanner tip at a 45-degree angle in relation to the buccal surface of the last jig on the left side and scan up to the last jig on the right side.

Step 3: To finish, perform a circular scanning motion around each jig.

Step 4: After completing image capture and digital model creation, it is essential to perform a thorough check to detect any errors in the scanning process. If necessary, an additional scan should be performed.



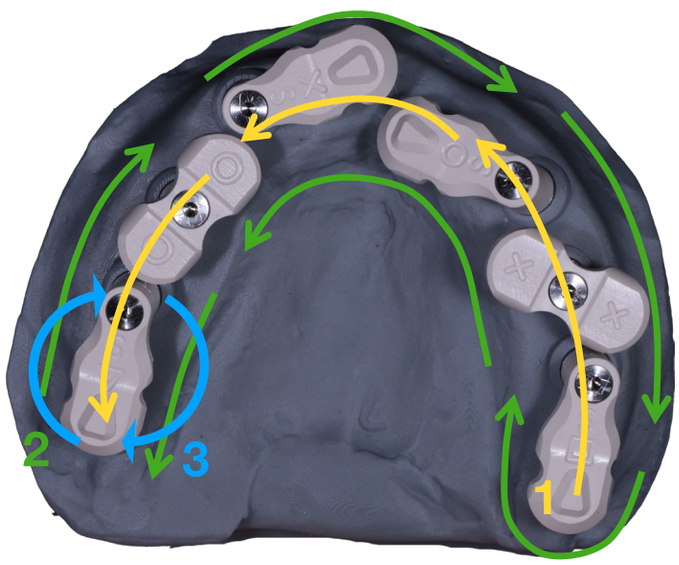
Scanning Protocol – Aligned with the Ridge

Step 1: Position the scanner tip over the scanning surface of the last jig on the left side, maintaining an adequate distance. Start image capture from the end of the jig and move along the ridge, recording the main positioning guides on all devices up to the end on the right side.

Step 2: Tilt the scanner tip at a 45-degree angle in relation to the buccal surface of the last jig on the right side and scan up to the last jig on the left side. In one continuous movement, tilt the scanner tip at a 45-degree angle in relation to the palatal/lingual surface and scan all devices.

Step 3: To finish, perform a circular scanning motion around each jig.

Step 4: Tilt the scanner tip at a 45-degree angle in relation to the buccal surface of the last jig on the right side and scan up to the last jig on the left side. In one continuous movement, tilt the scanner tip at a 45-degree angle in relation to the palatal/lingual surface and scan all devices.



3. Tips and Care Instructions

The devices have a service life of 250 uses, provided that their structures remain intact. Any modification may cause failures in scanning accuracy.

The retention screws must not be tightened with torque greater than 10 N.cm when fixing the jig onto the prosthetic abutment platform.

It is essential to keep the scanning surface dry at all times, as the presence of moisture or blood may compromise scanning accuracy.

Turn off the dental chair light or any external lighting that shines directly onto the jigs. Shadows or reflections on the scanning surface may affect scanner performance.

Instruct the patient to breathe through the nose during scanning, as mouth breathing may cause fogging on the scanner lens and lead to failures in the process.

Compatibility and Safety

- Compatible with prosthetic abutments with a Mini Abutment platform.
- Compatible with the main intraoral and laboratory scanner systems available on the market.
- The only national system compatible with **Medit Smart** X, Medit's exclusive scanning module for **Full Arch cases**.
- Library available for **Exocad** and **Medit Link**.
- Sterilizable and designed for multiple uses, according to the recommended cleaning and disinfection protocol.

Expected Results

- Scans with greater scanning accuracy.
- More reliable working models.
- Fast and simple workflows.
- More precise planning, increasing the clinical success of full-arch rehabilitation.



S.I.N.

INTRAORAL PRO SCANNING

IPS Full Arch

Premium

Max.: 10 N.cm

What does the kit include?

The IPS Intraoral Pro Scanning is available in two kit versions: the Premium version, with 14 pieces, and the Starter version, with 8 pieces.



KIT IPS STARTER

8 units: • 2 × L (Large), • 2 × M (Medium), • 2 × S (Small), • 2 × T (Dual stem)

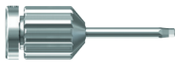


KIT IPS PREMIUM

14 units: • 4 × L (Large), • 4 × M (Medium), • 4 × S (Small), • 2 × T (Dual stem)

KIT IPS STARTER JIG HORIZONTAL





01 **CHAVE DIGITAL HEX.1.2 MEDIA**
DRIVER DIGITAL HEX.1.2 MEDIUM
(CDH 1224)



02 **JIG DE ESCAN. MINI ABUT. CURTO B**
JIG OF SCAN. MINI ABUT. SHORT B
(JHMASB)



03 **JIG DE ESCAN. MINI ABUT. B**
JIG OF SCAN. MINI ABUT. B
(JHMATB)



04 **JIG DE ESCAN. MINI ABUT. X**
JIG OF SCAN. MINI ABUT. X
(JHMATX)



05 **JIG DE ESCAN. MINI ABUT. CURTO X**
JIG OF SCAN. MINI ABUT. SHORT X
(JHMASX)



06 **JIG DE ESCAN. MINI ABUT. LONGO B**
JIG OF SCAN. MINI ABUT. LONG B
(JHMALB)



07 **JIG DE ESCAN. MINI ABUT. MÉDIO B**
JIG OF SCAN. MINI ABUT. MEDIUM B
(JHMAMB)



08 **JIG DE ESCAN. MINI ABUT. MÉDIO X**
JIG OF SCAN. MINI ABUT. MEDIUM X
(JHMAMX)



09 **JIG DE ESCAN. MINI ABUT. LONGO X**
JIG OF SCAN. MINI ABUT. LONG X
(JHMALX)

KIT IPS PREMIUM JIG HORIZONTAL

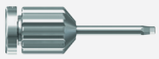




01 **JIG DE ESCAN MINI ABUT. CURTO B**
JIG OF SCAN. MINI ABUT. SHORT B
(JHMASB)



02 **JIG DE ESCAN MINI ABUT. CURTO Q**
JIG OF SCAN. MINI ABUT. SHORT Q
(JHMASQ)



03 **CHAVE DIGITAL HEX.1.2 MEDIA**
DRIVER DIGITAL HEX.1.2 MEDIUM
(CDH 1224)



04 **JIG DE ESCAN MINI ABUT. CURTO X**
JIG OF SCAN. MINI ABUT. SHORT X
(JHMASX)



05 **JIG DE ESCAN MINI ABUT. CURTO T**
JIG OF SCAN. MINI ABUT. SHORT T
(JHMAST)



06 **JIG DE ESCAN MINI ABUT.B**
JIG OF SCAN. MINI ABUT. B
(JHMATB)



07 **JIG DE ESCAN MINI ABUT. MÉDIO B**
(JIG OF SCAN. MINI ABUT. MEDIUM B
JHMAMB)



08 **JIG DE ESCAN MINI ABUT. MÉDIO Q**
JIG OF SCAN. MINI ABUT. MEDIUM Q
(JHMAMQ)



09 **JIG DE ESCAN MINI ABUT. MÉDIO X**
JIG OF SCAN. MINI ABUT. MEDIUM X
(JHMAMX)



10 **JIG DE ESCAN MINI ABUT. MÉDIO T**
JIG OF SCAN. MINI ABUT. MEDIUM T
(JHMAMT)



11 **JIG DE ESCAN MINI ABUT.X**
JIG OF SCAN. MINI ABUT. X
(JHMATX)



12 **JIG DE ESCAN MINI ABUT. LONGO B**
JIG OF SCAN. MINI ABUT. LONG B
(JHMALB)



13 **JIG DE ESCAN MINI ABUT. LONGO Q**
JIG OF SCAN. MINI ABUT. LONG Q
(JHMALQ)



14 **JIG DE ESCAN MINI ABUT. LONGO X**
JIG OF SCAN. MINI ABUT. LONG X
(JHMALX)



15 **JIG DE ESCAN MINI ABUT. LONGO T**
JIG OF SCAN. MINI ABUT. LONG T
(JHMALT)

S.I.N. IS WORLDWIDE!



SCAN THE QR CODE WITH YOUR MOBILE PHONE CAMERA
AND SEE WHERE S.I.N. IS PRESENT

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S.I.N.
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Premium
Max.: 10 N.cm
KIPSP - REV.01



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