MIS - CEREC software
Step-by-step protocol

For use globally except the US and Japan

The following document is a step-by-step explanation of how CEREC users may plan and produce an MIS Ti-base-supported single crown. The raw materials and item numbers are detailed according to existing regulatory approvals. MIS is continuously working on making additional raw materials compliant, and this document will be updated accordingly.

STEP 1: Create a new case

STEP 2: Administration

2.1 Select the indication type for an implant-supported restoration: “Abutment”.

2.2 Select the restoration type: “Screw-retained crown” or “Multi-layer abutment” (Abutment with crown)

2.3 Select the design mode, e.g. “Biogeneric Individual”.

2.4 Select the desired materials for the abutment (“Framework Material”) and/or the crown (“Veneering Structure Material”).

Framework materials implemented with MIS:

- Dentsply Sirona > inCoris ZI meso, refer to chart below for item numbers (Valid from version 4.6.1)
- IVOCLAR VIVADENT > IPS e.max CAD Abutment, Block Size (connection): A14 (L) or A16 (L), refer to list below for item numbers (Valid from version 5.1.2).

Screw-retained crown materials implemented with MIS:

- Dentsply Sirona > inCoris ZI meso, refer to chart below for item numbers (Valid from version 4.6.1)
- IVOCLAR VIVADENT > IPS e.max CAD Abutment, Block Size (connection): A14 (L) or A16 (L), refer to list below for item numbers (Valid from version 5.1.2).

2.5 Select the grinding/milling device.

2.6 Select “MIS” and choose the desired MIS Ti-base

- Refer to the list at the bottom of this document for Ti-base item numbers.

2.7 Select the Scanbody type: “Ti-base”

2.8 Select the tooth for which the restoration is to be created.

2.9 Move to the next stage.

STEP 3: Acquisition

3.1 Acquire the preparation scan of the required jaw and other optional scans such as the opposite jaw and the buccal bite registration.

3.2 Mount the MIS Ti-base onto the implant.

3.3 Plug the Sirona Scanbody (item # 6431329 L connection for Omincam or Primescan scanners; item #6431303 for inEos X5 desktop scanners) onto the MIS Ti-base and perform the Scanbody scan. Make sure that the marking on the scan-body is aligned with the Ti-base anti-rotation key and the scanbody is pushed onto the Ti-base completely.

STEP 4: Follow Dentsply Sirona CEREC SW instructions to design and manufacture the restoration:

4.1 Model phase

In this phase, the virtual models are reconstructed based on the acquired scans. You can edit the model and bite registration, redefine the model axis for alignment, select the scan-body, redefine the preparation margin line and define the restoration axis.

Notice:

- Scan-body is detected automatically or by double clicking the scan-body head.
- Angulation of more than 20° to the implant axis is not permitted.

4.2 Design phase

In this phase, an initial suggestion for the restoration is automatically calculated based on the design method selected in the Administration phase and on the material manufacturer parameters. You may edit the design if necessary by using the individual tools.

4.3 Manufacturing phase

In this phase, you may change the material block size and adjust the position of the restoration in the block. Finally you may start the production process by sending the designed restoration to the milling unit.

Valid for MIS from version 4.6.1

inCoris ZI meso blocks

Item numbers for easy reference

REF	CONNECTION SIZE	COLOR
62 31 810	L	F0.5
62 31 836	L	F2

F0.5

F2

Valid for MIS from version 5.1.2

IPS e.max CAD blocks

Item numbers for easy reference

A14

IPS e.max CAD CER/inLab LT BL2 A14 (L)/5 678883
IPS e.max CAD CER/inLab LT A1 A14 (L)/5 678873
IPS e.max CAD CER/inLab LT A2 A14 (L)/5 678874
IPS e.max CAD CER/inLab LT A3 A14 (L)/5 678875
IPS e.max CAD CER/inLab LT A3.5 A14 (L)/5 678876
IPS e.max CAD CER/inLab LT B1 A14 (L)/5 678877
IPS e.max CAD CER/inLab LT B2 A14 (L)/5 678878
IPS e.max CAD CER/inLab LT C1 A14 (L)/5 678879
IPS e.max CAD CER/inLab LT C2 A14 (L)/5 678880
IPS e.max CAD CER/inLab LT D2 A14 (L)/5 678881
IPS e.max CAD CER/inLab MO 0 A14 (L)/5 644362
IPS e.max CAD CER/inLab MO 1 A14 (L)/5 644363
IPS e.max CAD CER/inLab MO 2 A14 (L)/5 644364
IPS e.max CAD CER/inLab MO 3 A14 (L)/5 644365
IPS e.max CAD CER/inLab MO 4 A14 (L)/5 644366

A16

IPS e.max CAD CER/inLab LT BL2 A16 (L)/5 645599
IPS e.max CAD CER/inLab LT A1 A16 (L)/5 644383
IPS e.max CAD CER/inLab LT A2 A16 (L)/5 644385
IPS e.max CAD CER/inLab LT A3 A16 (L)/5 644386
IPS e.max CAD CER/inLab LT A3.5 A16 (L)/5 644387
IPS e.max CAD CER/inLab LT B1 A16 (L)/5 644389
IPS e.max CAD CER/inLab LT B2 A16 (L)/5 644390
IPS e.max CAD CER/inLab LT C1 A16 (L)/5 644393
IPS e.max CAD CER/inLab LT C2 A16 (L)/5 644394
IPS e.max CAD CER/inLab LT D2 A16 (L)/5 644397

MIS Ti-Bases implemented in CEREC 5.1.2

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System name	Implant diameter	Displayed name
implemented starting from v4.6.1		
Conical C1 NP	3.3	CN-TB001 C1 NP GH 0.5
Conical C1 NP	3.3	CN-TB015 C1 NP GH 1.5
Conical C1 NP	3.3	CN-TB030 C1 NP GH 3
Conical V3 NP	3.3	VN-TB001 V3 NP GH 0.5
Conical V3 NP	3.3	VN-TB015 V3 NP GH 1.5
Conical V3 NP	3.3	VN-TB030 V3 NP GH 3
Conical SP	3.75 - 5	CS-TB001 C1/V3 SP GH 0.5
Conical SP	3.75 - 5	CS-TB015 C1/V3 SP GH 1.5
Conical SP	3.75 - 5	CS-TB030 C1/V3 SP GH 3
Conical C1 WP	5	CW-TB001 C1 WP GH 0.5
Conical C1 WP	5	CW-TB015 C1 WP GH 1.5
Conical C1 WP	5	CW-TB030 C1 WP GH 3
Int Hex. NP	3.3	MN-TB001 INT HEX NP GH 0.5
Int Hex. SP	3.75 - 4.2	MD-TB001 INT HEX SP GH 0.5
Int Hex. WP	5	MW-TB001 INT HEX WP GH 0.5
Implemented starting from v5.1.2		
Int Hex.NP	3.3	MN-TBC15 INT HEX NP GH 1.5
Int Hex. NP	3.3	MN-TBC30 INT HEX NP GH 3
Int Hex. SP	3.75 - 4.2	MD-TBC15 INT HEX SP GH 1.5
Int Hex. SP	3.75 - 4.2	MD-TBC30 INT HEX SP GH 3
Int Hex. WP	5	MW-TBC15 INT HEX WP GH 1.5
Int Hex. WP	5	MW-TBC30 INT HEX WP GH 3

The protocol will always show the correct list of Ti-bases corresponding to the most current version of the software.