2021 Digital Dentistry Roadmap

Overseas Dealer Sales Team

CONTENTS

1. Digital Dentistry

2. Digital Dentistry Reasons to Go

3. Digital Dentistry Workflow

4. Digital Dentistry with OSSTEM IMPLANT

   (1) OneGuide : Osstem Guided Surgery System

   (2) Digital Prosthetics

   (3) Digital Custom Abutments

■ What is Digital Dentistry?

✓ Dental treatment using computer software and digital devices.

✓ Starting from digital data input such as CT, Oral scan, and CAD/CAM*.

    (CAD/CAM*-Computer Aided Design, Computer Aided Manufacturing)

✓ Finishing with precise output from a milling machine and 3D printer.

■ Why Should I Go Digital?

✓ Advantages

Be expert!	Beginners can bring out fine results as experts
Accurate & Speedy	Enhance quality while saving time and the costs.
Efficient	Access work data anytime, anywhere.
Digital Data	Track and analyze performance better

Drawbacks

Price	Digital devices and S/W required
Entry Barrier	Knowledge for S/W required
Case Coverage	Not applicable to all cases yet

OSSTEM IMPLANT

ANALOG

1. Panorama

2. Plan

3. Surgery

4. Impression

5. Model
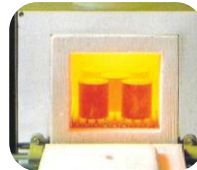
6. Wax up

7. Investment

8. Burn-out
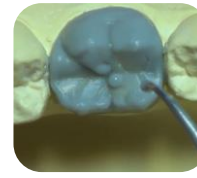
9. Casting

10. Build up

11. Abt & Crown

| First Visit | 2nd Visit | 3rd Visit | Lab-Side (1 week) | 4th Visit |

DIGITAL
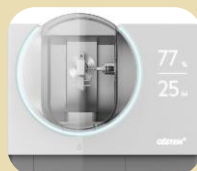
First Visit → **Lab-Side** → **2nd Visit**

1. CBCT

2. Scan

3. Planning

4. Guided Surgery

5. Temp Abt & Crown

6. Design

7. Fabrication

8. Abt & Crown

✓ **All done! Implant treatment in 5 days!**

OSSTEM® Overseas Dealer Sales Team

OneGuide

Osstem Guided Surgery System
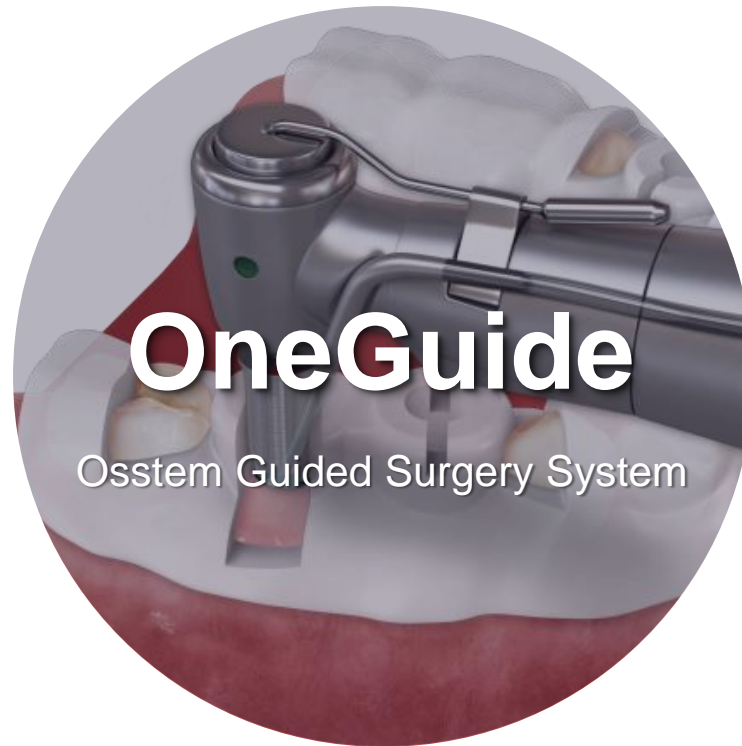
■ Guided Implant Surgery (6 Steps)

INPUT : Digital Data Acquisition		DESIGN
1.CT	**2.Scan**	**3.Plan**

What you do

- Acquire CBCT data from a patient to check their bone density, nerves, and path for implant placement.

- Scan the patient's mouth for digital data with either an intraoral scanner or a model scanner.

- Integrate CT data and scan data so that the most suitable and secure fixture can be chosen based on digital virtual surgery.

What you need

✓Requirements: CBCT

✓Requirements: Intraoral/Model Scanner

✓Requirements: Planning software
✓Planning software (Implant Studio, …)

What we offer

✓**Osstem T1 Available**
Osstem T2 (Available in 2022)

✓Intraoral scanner (3Shape Trios, …)
Model scanner (3Shape E-series, …)

Osstem OneGuide software
(Available in 2022)*

■ Guided Implant Surgery (6 Steps)

OUTPUT : Guide Fabrication	Implant Placement	Abutment & Crown
4.Surgical Guide	5.Surgery	6.Crown

✓**Finish**

What you do

- Make a surgical guide from CAD software based on the data you planned.

- Guided implant surgery based on digital dentistry enables the most precise placement of implants. Plus, flapless surgery is not depended on intuition.

- Design the crown with CAD software from scan data and finalize it with either milling machines or 3D printer. Plus, either temporary loading or immediate loading is possible.

What you need

What we offer

✓Requirements: 3D Printer
✓Osstem OneJet LCD, DLP
   (Available in 2021)

✓Requirements: Surgical Guide Kit
✓**Osstem OneGuide System Available**
(OneGuide, OneCAS, OneMS, One485
 OnePositioning)

✓Requirements: CAD Design Software,
   Milling machine, 3D Printer
✓Osstem OneMill4x, OneMill5x, OneJet
   (Available in 2022)

LCD Type

DLP Type

■ OneGuide Template

1. Sleeve Type
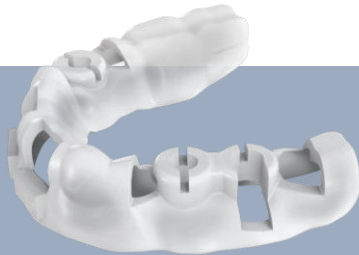
2. Guide Hole Design

3. Guide Hole Size

✓ Sleeveless

*Open
○ Wide path for drill access

Closed

■ Ø3.6 (Narrow)

■ Ø5.1 (Regular)

■ Ø5.8 (Wide)

✓ **Metal Sleeve**
○ Reamer drill, jig required

Closed

■ Ø3.6 (Narrow)

■ Ø5.1 (Regular)

■ Ø5.8 (Wide)

Digital Prosthodontics

Osstem Digital Solution

■ Digital Prosthodontics (3 Steps)

INPUT : Digital Data Acquisition	DESIGN	OUTPUT : Prosthodontics
1. Scan	2. CAD Design	3. Crown

✓ **Finish**

What you do

- Scan the patient's mouth with either an intraoral scanner or a model scanner. Scan body, Scan Healing Abt for custom abutments with its digital library.

- Load the scan data into the CAD software in order to design the final crown.

- Finalize the crown with either milling machines or 3D printer depending on materials.

What you need

✓ Requirements: Intraoral/Model Scanner
✓ Intraoral scanner (3Shape Trios, …)
  Model scanner (3Shape E-series, …)
Osstem Scan body, Scan Healing abt.

✓ Requirements: CAD software
✓ 3Shape Dental System software
  exocad Dental CAD software

✓ Requirements: Milling machine, 3D Printer
✓ Osstem OneMill4x, OneMill5x, OneJet
  Osstem Digital Lab Analog

What we offer

Intraoral Scan Body	Model Scan Body	Scan Healing Abutment

3D Printed Model

Digital Lab Analog*

Digital Custom Abutment
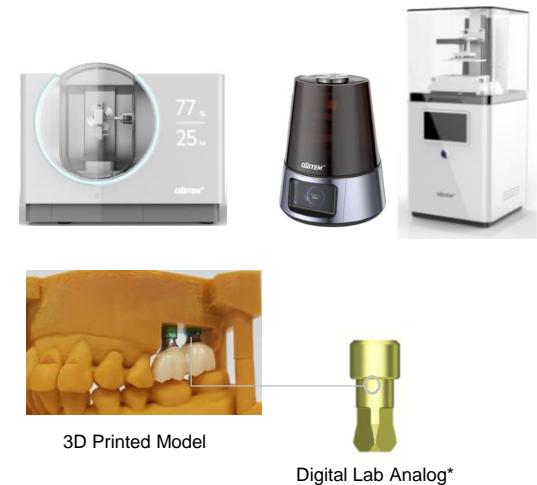
■ Digital Custom Abutment (3 types)

Pre-milled Abutment

OneFit Abutment

Link Abutment

What you do / What you need / What we offer

Pre-milled Abutment

- Pre-milled custom abutment
- Block-type (Implant platform part milled)
- Osstem logo printed as an original Abt.

✓ Requirements: Milling machine

✓ DentalPlus O2-M4 Milling machine

Osstem Pre-milled Abutment (Ti)

Pre-milled Abutment

Pre-milled Custom Abt

OneFit Abutment

- Hybrid Custom Abutment
  (Zirconia, Metal, Gold)
- Excellent for Esthetic Anterior area.
- Perfect fit into TS Fixture.

✓ Requirements: Osstem OneFit Center

Zirconia OneFit Abt
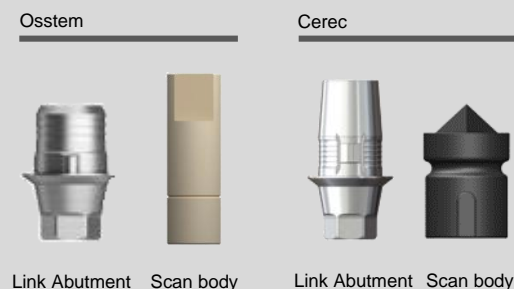
Metal OneFit Abt

Gold (TiN Coated) OneFit Abt

Link Abutment

- Titanium + Zirconia Custom Abutment
- Digital library available (3shape, exocad)
- CAD/CAM process on Clinic.

✓ Requirements: CAD/CAM System

✓ **Osstem Link Abutment**

  Osstem Link Abutment for Cerec

Osstem

Cerec

Link Abutment Scan body

Link Abutment Scan body

Thank you.

OSSTEM
IMPLANT