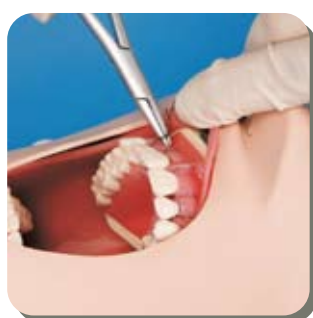




## Nissin General Catalogue Vol 3



### Greetings from the President

We were founded as “NISSIN DENTAL MATERIAL LABORATORY” in 1948, and we began producing Dental Study Models in 1958. To this day, we have gained trust and received support from many people. Our denture materials have been supported by many customers of ours, and as for our dental models, we have received passionate support from dental education institutions around the world. Instead of being complacent about the trust and support we have gained thus far, we pledge that we will continue to listen to your voices and opinions, and provide high quality products that contribute to the dental field as well as useful information which will enrich training.

NISSIN DENTAL PRODUCTS, INC.

President Koji Yokoe  
All the staff

### Phantom Head Dental

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### Articulator selection depending on usage environment

When doing practical training, there is a need to select the articulator that will be attached to the jaw model, depending on the environment it will be used under. In this catalogue, we introduce dental study models with FE articulator, which is suitable for various training situations.



#### Training with the use of manikins

When training with the SIMPLE MANIKIN or other manikin series, please use jaw models that are already fitted with the FE articulator, since the simulator is not equipped with an articulator function.

NISSIM Type.1 FE articulator  
SIMPLE MANIKIN Jaw model without articulator

\*Please refer to P11 ~ P17 on details about jaw models that are attachable to the FE articulator.



#### Training with the use of phantoms

When training with phantoms such as NISSIM Type.2, please use jaw models without an articulator, since the phantom has an articulator function.

NISSIM Type.2 Jaw model without articulator

\*Please refer to P8 on details about jaw models that are attachable to NISSIM Type.2



#### Training at the desk

When training at the desk, please select jaw models with an articulator. Jaw models with the FE articulator is suitable for fixing the jaw at the open position. If the fixing function is not necessary, please choose models with the D articulator.

with fixing function at open position FE articulator  
without fixing function at open position D articulator

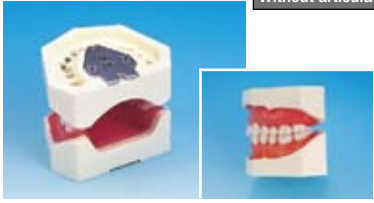


#### Pole Mount

Nissin Dental Products, Inc. does not handle pole mounts. When practicing using the DP Articulator with a pole mount, please follow the handling guidelines of the pole mount manufacturer.




**Without articulator**




Jaw model without articulator

**FE articulator**




Arcon type articulator with various moving functions which is attached to the back side of the jaw model. Model can be fixed at an open position on the desk.

**D articulator**



Condylar type articulator with various moving functions attached to the back side of the jaw model. Model can be opened wider than the FE articulator.


**DP articulator**



Articulator used when practicing using the pole mount. Its functions are the same as the D articulator.

**Notations in this catalogue**

**Model Variations**



**Prosthetic Restoration Jaw Model [D18FE-500A-QF]**

Jaw model fitted with a soft type gingiva that allows for accurate impression taking using silicone impression material. Comprehensive training is possible with this model, ranging from abutment tooth preparation to cavity preparation to impression taking and prosthesis fitting.

**Variation**

- D18FE-500A-QF (with D Articulator)
- D18DP-500A-QF(with DP Articulator)
- D18FE-500A-QF(without Articulator)

**Replacement Parts**

- Simulated tooth model / A5A-500
- Gingiva for D18-500A / 500A-F-GUB
- Parts 20 teeth

Abutment tooth preparation	Cavity preparation	Personal tooth tray fabrication
Gingival retraction	Alignate complete impression	Silicone impression
Temporary prosthesis fabrication/fitting	Final prosthesis fabrication/fitting	

- 1 Product picture
- 2 Product name
- 3 Model number
- 4 Product description
- 5 Model number of other variations  
Shows other variations such as models with different articulators

- 6 Model number of parts that are included in the product as standard equipment  
Shows component parts such as tooth models and gingiva that are pre-fitted to the product

- 7 Training compatibility
- |                             |                     |
|-----------------------------|---------------------|
| compatible for training     | Silicone impression |
| not compatible for training | Silicone impression |



## DENTAL SIMULATORS

---



**NISSIM Type.2** ..... 8



**NISSIM Type.1** ..... 11



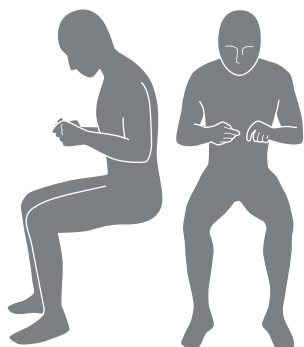
**SIMPLE MANIKIN** ..... 15



**For a more practical training. A Dental Simulator for various “Environment” and “Purpose”**

When doing practical training, there is a need to select the articulator that will be attached to the jaw model, depending on the environment it will be used under. In this catalogue, we introduce dental study models with FE articulator, which is suitable for various training situations.

**Training**



Training in various areas

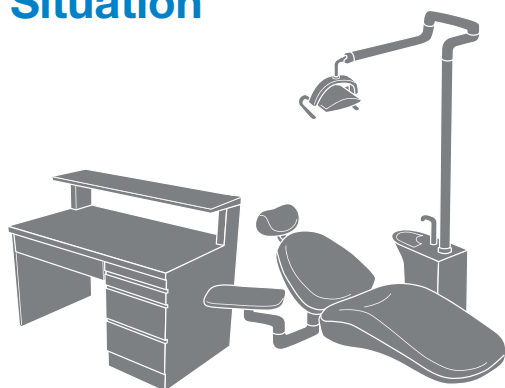


Positioning of operator and patient

Operating position

How to position operator's hands

**Situation**



[Suggested mounting locations]

Workbench



Dental chair



Mobile use



Places without workbench

[Suggested situations]

- Training class
- Training at clinics
- Demonstration
- Workshop
- Training at home

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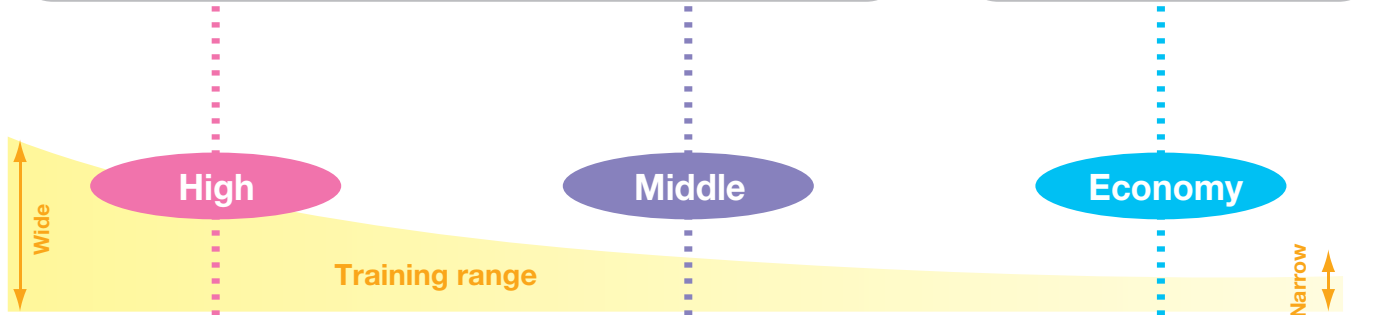
Email: sales@phantomhead.com  
Website: www.phantomhead.com



3 simulator types are available depending on purpose or function

**For fixed place use**

**For mobile use**



**NISSIM Type.2** (P 8)

NISSIM Type.2 is a high grade simulator that is equipped with various jaw movement functions, and even face bow training is possible. It is designed to be durable and offers various functions.

- Articulator with jaw movement functions
- Face bow training is possible
- Easy attachment of jaw models with magnet

**NISSIM Type.1** (P 11)

NISSIM Type.1 is a middle grade simulator that can fix jaw models at an open position with the use of a magnet system. Face bow training is also possible. It is very functionable yet affordable.

- Excellent durability
- Face bow training is possible
- Easy attachment of jaw models with magnet

**SIMPLE MANIKIN** (P 15)

SIMPLE MANIKIN is a lightweight and compact economy type simulator. It can be easily installed in clinics and at home, so you can use it anytime you want.

- Easy assembly
- Lightweight and compact
- Fits on workbench or dental chair



## Dental Simulator - NISSIM TYPE.2



### NISSIM Type.2

NISSIM Type.2 is a high grade simulator equipped with a mean value articulator which allows various jaw movement functions. By equipping ears on the NISSIM head, it is possible to practice more complicated training presuming face bow transfers. Also, the use of magnet change system allows easy attachment of jaw models, thus improving its handling characteristics when attaching/removing jaw models.

#### Matching environment

Workbench	Dental chair
Railing storage	Stand alone

#### Functions

Various jaw movements	Face bow transfer
Magnet change system	High durability

#### Attachable jaw models

Jaw models that can be attached as they are

Jaw models with magnet plates can be attached onto NISSIM Type.2 articulator as they are.



Jaw models that need the Model Adaptor Set (Option)

Jaw models without magnet plates and plaster models can be attached onto NISSIM Type.2 articulator with the separately sold Model Adaptor Set.



**Basic Set**



NISSIM Head



NISSIM Type.2  
Articulator A



Oral Cavity Cover  
for NISSIM Type.2



NISSIM Mask

**Set Variation**



Mounting on workbench  
**Desk Clamp Unit Set**

For mounting on workbench with Desk Clamp Unit



Desk Clamp Unit Set

Desk Clamp Unit + Basic Set

**Component Parts**

[Basic Set]

- Basic Set

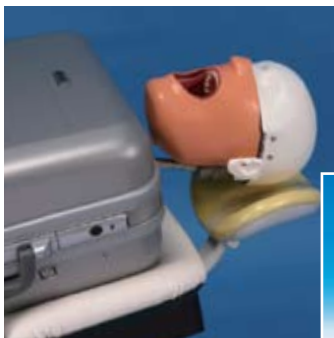
[Mounting Unit]

- Desk Clamp Unit

*\*Jaw model not included*

*\*Above configuration is just one example.*

*You can change the component combination depending on your purpose.*



Mounting on dental chair  
**Body Trunk Unit Set**

For mounting on dental chair with a belt on the Body Trunk Unit Set. NISSIM head can be stored inside the Body Trunk Unit Set when not in use.



Body Trunk Unit Set

Body Trunk Unit + Basic Set

**Component Parts**

[Basic Set]

- Basic Set

[Mounting Unit]

- Body Trunk Unit

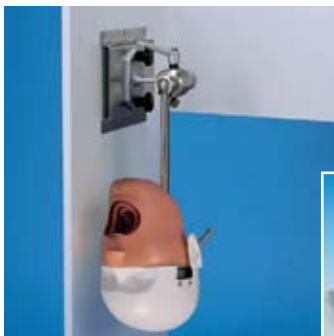
*\*Jaw model not included*

*\*Above configuration is just one example.*

*You can change the component combination depending on your purpose.*

*\*Trunk appearance may change without notice.*





Can be stored under the work desk

### Rail Unit Set

Set can be installed on the side wall of the work desk. It can be stored underneath the desk and slides out when using. [Installation required](#)



Rail Unit

Rail Unit + Basic Set

#### Component Parts

[Basic Set]

- Basic Set
- [Mounting Unit]
- Rail Unit

*\*Jaw model not included*

*\*Setup is just one example. You can modify the setup according to the use.  
\*Separate installation is required. Please inquire for installation pricing.*



Stand alone use

### Mobile Unit Set

A mounting unit set with casters that can be used in places without a workbench, or for stand-up demonstrations by an instructor.



Mobile Unit

Mobile Unit + Basic Set

#### Component Parts

[Basic Set]

- Basic Set
- [Mounting Unit]
- Mobile Unit

*\*Jaw model not included*

*\*Above configuration is just one example.  
You can change the component combination depending on your purpose.*

## Option



For practicing with a rubber cheek sheet

### NISSIM Cheek Sheet Set

The rubber cheek sheet must be used with the type B articulator.



Cheek Sheet



Type.2 Articulator B

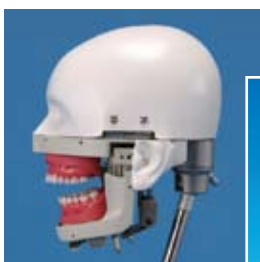
#### Component Parts

[Cheek Sheet Set]

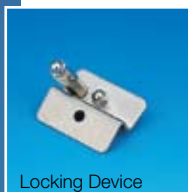
- NISSIM Type.2 Articulator B
- NISSIM Cheek Sheet



For 32 teeth L type



Locking Device



Side View



### Model Adaptor Set

Jaw models without magnet plates and plaster models can be attached onto NISSIM Type.2 articulator with the use of Model Adaptor Set. The S type is for 28 teeth model, and the L type is for 32 teeth model.

#### Line up

- For 28 teeth S type
- For 32 teeth L type

### Intermediate Locking Device

Attaches to the lower jaw of the articulator and locks the jaw when intermediate open position is desired.

### NISSIM Mask with Water Drain

This mask is supplied with both a plastic tube and a sealing plug, so you can either drain the water or stop the draining during practice.

## Phantom Head Dental

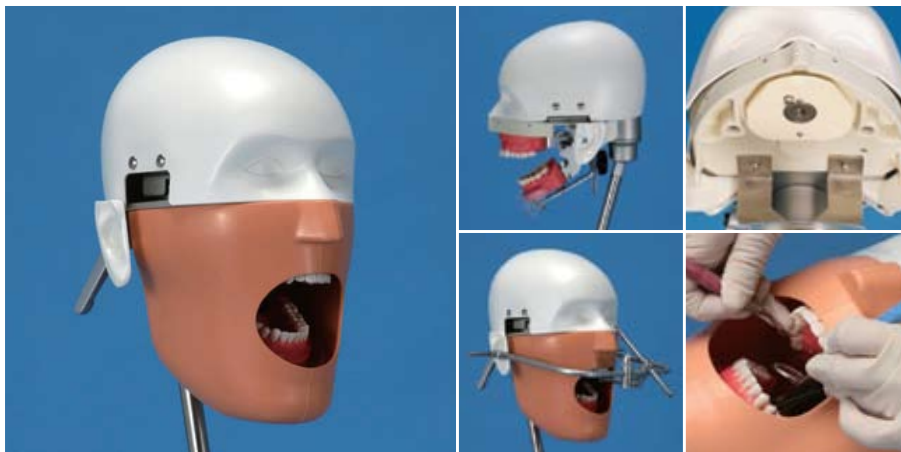
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Dental Simulator - NISSIM TYPE.1



**NISSIM Type.1**

NISSIM Type.1 is a middle grade simulator whose handling characteristics is equal to NISSIM Type.2 while its functions are somewhat toned down to make it more easier to use. The ears on the NISSIM Head allow face bow training. Also, the magnet change system allows smooth and quick attachment/replacement of jaw models.

**Matching environment**

Workbench	Dental chair
Stand Alone	

**Functions**

Fixable at open position	Magnet Change System*
Face bow training	High durability

*\*upper jaw only*

Attachable jaw models

Jaw models that can be attached as they are  
 Jaw models with magnet plates and FE/D articulator can be attached onto NISSIM Type.1 articulator as they are.



Jaw models that need Optional parts  
 Jaw models without articulators or magnet plates, and plaster models can be attached onto NISSIM Type.1 using the FE articulator for Plaster Models.



### Basic Set



NISSIM Head



NISSIM Type.1  
Articulator A



NISSIM Mask

### Set Variation



Mounting on workbench

#### Desk Clamp Set

For mounting on workbench with Desk Clamp Unit



Desk Clamp Unit

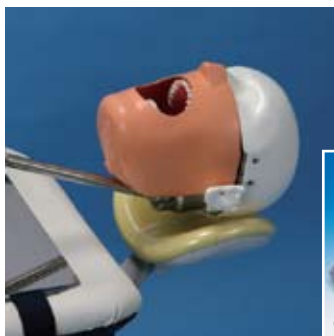
Desk Clamp Unit + Basic Set

#### Component Parts

[Basic Set]

- Basic Set
- [Mounting Unit]
- Desk Clamp Unit

*\*Jaw model not included  
\*Above configuration is just one example.  
You can change the component combination depending on your purpose.*



Mounting on dental chair

#### Chair Mount Set

For mounting on dental chair with a belt on the Chair Mount Unit. The belt length is adjustable to fit the dental chair.



Chair Mount Unit

Chair Mount Unit + Basic Set

#### Component Parts

[Basic Set]

- Basic Set
- [Mounting Unit]
- Chair Mount Unit

*\*Jaw model not included  
\*Above configuration is just one example.  
You can change the component combination depending on your purpose.*



## Set Variation Cont.



Can be stored under the work desk

### Rail Unit Set

Set can be installed on the side wall of the work desk. It can be stored underneath the desk and slides out when using. [Installation required](#)



Rail Unit

Rail Unit + Basic Set

#### Component Parts

[Basic Set]

- Basic Set
- [Mounting Unit]
- Rail Unit

*\*Jaw model not included*

*\*Setup is just one example. You can modify the setup according to the use.  
\*Separate installation is required. Please inquire for installation pricing.*



Stand alone use

### Mobile Unit Set

A mounting unit set with casters that can be used in places without a workbench, or for stand-up demonstrations by an instructor.



Mobile Unit

Mobile Unit + Basic Set

#### Component Parts

[Basic Set]

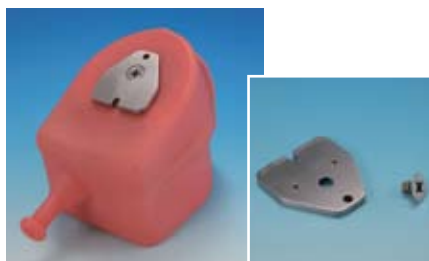
- Basic Set
- [Mounting Unit]
- Mobile Unit

*\*Jaw model not included*

*\*Above configuration is just one example.  
You can change the component combination depending on your purpose.*



**Option**



**Oral Cavity Cover -Large for NISSIM Type.1**

This is a cover for making it easier to recognize the oral cavity area. It provides a training experience that is very close to real clinical situation.

**Magnet Plate**

For use with the Oral Cavity Cover -Large. Comes with 2 plates, one for the upper and one for the lower.



For practicing with a rubber cheek sheet

**NISSIM Cheek Sheet Set**

The rubber cheek sheet must be used with the type B articulator.



Cheek Sheet

Type.1 Articulator B

**Set Contents**

- NISSIM Type.1 Articulator B
- NISSIM Cheek Sheet



FE Articulator

**FE Articulator for Plaster Models**

Plaster models and jaw models without an articulator can be attached onto NISSIM Type.1 with the use of the above articulator.

*\*Some models cannot be attached.*



Side view

**NISSIM Mask with Water Drain**

This mask is supplied with both a plastic tube and a sealing plug, so you can either drain the water or stop the draining during practice.



## Dental Simulator - SIMPLE MANIKIN II



### SIMPLE MANIKIN II

SIMPLE MANIKIN II is a lightweight and compact economy type simulator. The upper jaw model is fixed with a screw located in the head base, and the lower jaw model is fixed to the lower plate of SIMPLE MANIKIN II at an open position. It is possible to perform various types of training effectively by using SIMPLE MANIKIN II along with a wide variety of jaw models and optional items such as Oral Cavity Cover.

**Matching environment**

Workbench	Dental chair
Mobile	

**Functions**

Fixable at open position	Lightweight
Compact design	Easy assembly

Attachable jaw models

Jaw models that can be attached as they are.

Jaw models with a FE/D articulator, and having magnet plates or thread hole in the center of the model base can be attached onto SIMPLE MANIKIN II as they are.



Jaw models attached with the PS Adaptor (included)

Jaw models with a FE/D articulator but without magnet plates or thread hole in the center of the model base need a PS Adaptor to be attached onto SIMPLE MANIKIN II. PS Adaptor is an included accessory of SIMPLE MANIKIN II.



Jaw models that need Optional parts in order to be attached

Jaw models without FE or other articulators and plaster models can be attached onto SIMPLE MANIKIN II articulator with the optional FE Articulator for Plaster Model.



**SIMPLE MANIKIN II Set**



**SIMPLE MANIKIN  
Bench Mount**



**SIMPLE MANIKIN  
Headbase**



**SIMPLE MANIKIN  
Mask II**



**SIMPLE MANIKIN PS Adaptor**



**Hexagon wrench**



## Set Variation



Mounting on workbench

### Bench Mount Set

A mounting unit set that can be easily attached to the workbench with a clamp.



Oral Cavity Cover -Large

SIMPLE MANIKIN Set + Oral Cavity Cover

### Component Parts

[Basic Set]

- SIMPLE MANIKIN II Set [Mounting Unit]
- Mounting unit is included with SIMPLE MANIKIN II Set

[Option]

- Oral Cavity Cover -Large for SIMPLE MANIKIN II

*\*Jaw model not included*

*\*Above configuration is just one example.*

*You can change the component combination depending on your purpose.*



Mounting on dental chair

### Chair Mount Set

A mounting unit set for fixing SIMPLE MANIKIN II on the headrest of the dental chair.



Head Rest Mount

Oral Cavity Cover -Large

Head Rest Mount + SIMPLE MANIKIN Set + Oral Cavity Cover

### Component Parts

[Basic Set]

- SIMPLE MANIKIN II Set [Mounting Unit]
- Head Rest Mount

[Option]

- Oral Cavity Cover -Large for SIMPLE MANIKIN II

*\*Jaw model not included*

*\*Above configuration is just one example.*

*You can change the component combination depending on your purpose.*

## Option



Oral Cavity Cover -Large



### Oral Cavity Cover - Large for SIMPLE MANIKIN II

This is a cover for making it easier to recognize the oral cavity area. It provides a training experience that is very close to real clinical situation.



### FE Articulator for Plaster Models

This is an articulator for models which cannot be attached to SIMPLE MANIKIN II as they are, such as jaw models without an articulator and plaster models.



FE Articulator

*\*Some models cannot be attached.*



Technical Information 1



## How to Remove and Attach the Tooth Model

### Removing the Tooth Model



1  
Unscrew the fixing screw on the underside of the jaw model using the supplied screwdriver.



2  
Remove the tooth model.

Be sure to check that the fixing screw is not left inside the tooth model, and then remove. If forcefully pulled out, the screw hole may be damaged and the tooth model may not reattach.

### Attaching the Tooth Model



1  
Insert the tooth model in the proper position.



2  
Using the supplied screwdriver, lightly screw in the fixing screw from the underside of the jaw model.



3  
After all the tooth models are lightly screwed in, close the articulator. Tighten the fixing screws when it is properly occluding.

Do not tighten the screw at this point.

If the screws are tightened too much, the threads in the screw holes may be damaged. If this happens, the screw will not tighten and cannot be reattached. Tighten just enough so that the tooth models do not move.



#### Screwdriver for the Tooth Model

This screwdriver is used for fixing the tooth model into the jaw model. It is supplied with all models using screw attachments.



#### Tooth Model Fixing Screw

This screw is used for fixing the tooth model. It is supplied with all models using screw attachments.

Quantity 1 screw

