



DENTISTRY

CATALOG OF MANUFACTURED PRODUCTS



SOLUTION
SCIENTIFIC AND TECHNICAL CENTER

000 STC «SOLUTION»

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DEAR PARTNERS!

Specialists of the STC «Solution» company carried out large-scale work on studying the world experience in the field of educational equipment for training medical workers in the specialty of Dentistry. We have developed our own samples of educational products that are not inferior in quality of functional characteristics to foreign analogues. The list of educational equipment in dentistry includes dental simulators and consumables for them, models of the upper and lower jaws with hard and soft gums, replaceable sets of teeth, including those with various pathologies, and others.

The equipment allows you to practice the skills of performing most popular dental procedures: filling, extraction, anesthesia, implantation, suturing on the gums, etc. In addition, specially developed models, models, information and electrified stands can be used in medical educational institutions to study the anatomical structure of the teeth and oral cavity of a person.

High efficiency of educational equipment is achieved by using modern materials that simulate human tissue.

The company STC «Solution» offers its customers the development and manufacture of trainers of any complexity according to an individual project. If you could not find the right equipment in the company's assortment, our specialists will develop a unique product for you directly for your goals and objectives.

We hope for fruitful cooperation and ask you to inform us about your interest. We are pleased by your interest in our production.

With best regards,
Director of STC «Solution»
P. A. KASHIN



**STC «SOLUTION» offers cooperation in the production
and supply of DENTAL TRAINING EQUIPMENT**

CM0001

DENTAL SIMULATOR

The dental simulator is an autonomous workplace of a dentist and it includes:

1. The model of the human head with a built-in adjustable articulator is mounted on a universal hinge support with a system of attachment to the table. The upper part of the head of the simulator is fixed by a knee-lever mechanism. The replacement of dental models in the simulator is performed using two spherical retainers, which ensures their quick replacement. The outer cover of the head model is made of elastic material.
2. The dental model of the upper and lower jaws that installed in the simulator anatomically corresponds to the dental apparatus of an adult. The closure of the teeth is performed in a stable occlusion and includes a set of 32 removable teeth with a screw attachment.

The following anatomical features are displayed:

- interdental spaces;
 - chewing surfaces and the structure of the crowns;
 - gums and palate;
 - front teeth.
3. Mobile table with a system for storing educational material.
 4. Mobile dental unit with built-in compressor, equipped with real dental instruments.

The dental simulator is aimed for use by students and residents of universities and medical colleges in the course of accreditation.



Dimensions: 1600x600x1500 mm



Weight: 70 kg

Equipment:

- model of the human head;
- mobile table;
- mobile dental unit;
- the Chair;
- shadowless lamp;
- the passport of the product;
- the user Manual.

CM0004

OF THE UPPER AND LOWER JAMS WITH 32 INTACT TEETH FOR ANESTHESIA

It is a dental model of the upper and lower jaws with elastic gums. Anatomically it corresponds to the dental apparatus of an adult patient. The closure is implemented in the stable occlusion. The set includes 32 model teeth.

This model is intended for receiving the practice of anesthesia and therapeutic skills. Removable teeth are secured with screws. The ergonomic mounting system makes it easy to install the model in the occluder and simulator.

It is compatible with the machines of production «Frasaco».

The following anatomical features are displayed in detail:

- interdental spaces;
- the chewing surfaces and the structure of the crowns;
- cervical area of the teeth;
- gums and palate;
- front teeth.

The dental model is intended for using by students and residents of higher education of universities and medical colleges during accreditation.



Dimensions: 175x115x40 mm



Weight: 0,1 kg

Equipment:

- model of the upper and lower jaws;
- model tooth (32 Pcs);
- screwdriver;
- the storage box;
- passport of the product.



CM0013

SET OF 32 MODEL TEETH

A set of 32 model teeth of natural shape with a screw attachment for installation in the dento-model CM0037 and CM0045. The material of the teeth in its physical properties is close to the natural values.



Dimensions: 150x90x20 mm



Weight: 0,1 kg

Equipment:

- model tooth (32 pcs.);
- passport of product.



CM0005

MODEL OF THE UPPER AND LOWER JAMS WITH 28 INTACT TEETH FOR THE CONDUCTING GUIDE ANESTHESIA

It is a dental model of the upper and lower jaws with elastic gums. Anatomically corresponds to the dental apparatus of an adult patient. The closure is implemented in the stable occlusion. The set includes 28 model teeth.

This model is intended for mastering the practice of conducting anesthesia. The feedback system in the form of a light indication allows you to determine the correct place for the introduction of an anesthetic according to the accepted methods in dental practice. The ergonomic mounting system makes it easy to install the model in the simulator.

It is compatible with the machines of production «Frasaco».

The following anatomical features are displayed in detail:

- interdental spaces;
- the chewing surfaces and the structure of the crowns;
- cervical area of the teeth;
- gums and palate;
- front teeth.

The dental model is intended for using by students and residents of higher education of universities and medical colleges during accreditation.



Dimensions: 175x115x40 mm



Weight: 0,1 kg

Equipment:

- model of the upper and lower jaws;
- model tooth (28 Pcs);
- syringe for anesthesia;
- the battery;
- the storage box;
- passport of the product.

CM0006

MODEL OF THE UPPER AND LOWER JAMS WITH 32 MODEL TEETH FOR CARIES TREATMENT

It is a dental model of the upper and lower jaws. Anatomically it corresponds to the dental apparatus of an adult patient. The closure is implemented in the stable occlusion. The set includes 32 model teeth.

This model is designed to develop therapeutic skills for the treatment of caries. Removable teeth are secured with screws. The ergonomic mounting system makes it easy to install the model in the occluder and simulator.

It is compatible with the machines of production «Frasaco».

The following anatomical features are displayed in detail:

- interdental spaces;
- the chewing surfaces and the structure of the crowns;
- cervical area of the teeth;
- gums and palate;
- front teeth.

The dental model is intended for using by students and residents of higher education of universities and medical colleges during the accreditation.



Dimensions: 175x115x40 mm



Weight: 0,1 kg

Equipment:

- model of the upper and lower jaws;
- model tooth (32 Pcs);
- screwdriver;
- the storage box;
- passport of the product.

CM0007

MODEL OF THE UPPER AND LOWER JAMS WITH 32 MODEL TEETH FOR PERIODONTAL DISEASE TREATMENT

It is a dental model of the upper and lower jaws with elastic gums. Anatomically it corresponds to the dental apparatus of an adult patient. The closure is implemented in the stable occlusion. The set includes 32 model teeth.

This model is designed to develop therapeutic skills for removing subgingival deposits. Removable teeth are secured with screws. The ergonomic mounting system makes it easy to install the model in the occluder and simulator.

It is compatible with the machines of production «Frasaco».



The following anatomical features are displayed in detail:

- interdental spaces;
- the chewing surfaces and the structure of the crowns;
- cervical area of the teeth;
- gums and palate;
- front teeth.

The dental model is intended for using by students and residents of higher education of universities and medical colleges during accreditation.



Dimensions: 175x115x40 mm



Weight: 0,1 kg

Equipment:

- model of the upper and lower jaws;
- model tooth (32 Pcs);
- screwdriver;
- the storage box;
- паспорт изделия.

CM0008

MODEL OF THE UPPER AND LOWER JAMS WITH 28 MODEL TEETH FOR THE PERIODONTAL DISEASE TREATMENT

It is a dental model of the upper and lower jaws with a transparent gum. Anatomically it corresponds to the dental apparatus of an adult patient. The closure is implemented in the stable occlusion. The set includes 28 model teeth.

This model is designed to develop therapeutic skills for removing subgingival deposits. Removable teeth allow you to reuse the model. The ergonomic mounting system makes it easy to install the model in the occluder and simulator.

It is compatible with the machines of production «Frasaco».



The following anatomical features are displayed in detail:

- interdental spaces;
- the chewing surfaces and the structure of the crowns;
- cervical region of the teeth;
- gums and palate;
- front teeth.

The dental model is intended for using by students and residents of higher education of universities and medical colleges during accreditation.



Dimensions: 175x115x40 mm



Weight: 0,1 kg

Equipment:

- model of the upper and lower jaws;
- model tooth (28 Pcs);
- the storage box;
- passport of the product.

CM0009

MODEL OF THE UPPER AND LOWER JAWS WITH 28 INTACT TEETH FOR REMOVAL

It is a dental model of the upper and lower jaws. Anatomically it corresponds to the dental apparatus of an adult patient. The closure is implemented in the stable occlusion. The set includes 28 model teeth.

This model is designed for mastering surgical skills for tooth extraction. The ergonomic mounting system makes it easy to install the model in the occluder and simulator.

It is compatible with the machines of production «Frasaco».

The following anatomical features are displayed in details:

- interdental spaces;
- the chewing surfaces and the structure of the crowns;
- cervical area of the teeth;
- gums and palate;
- front teeth.

The dental model is intended for using by students and residents of higher education of universities and medical colleges during accreditation.



Dimensions: 175x115x40 mm



Weight: 0,1 kg

Equipment:

- model of the upper and lower jaws;
- model tooth (28 Pcs);
- the storage box;
- passport of the product.

CM0015

SET OF 28 MODEL TEETH 3-28Y

It is a set of 28 model teeth of natural shape for removal. Designed for installation for the dento-model CM0042, the material of the teeth is close to the natural values in its visual properties.



Dimensions: 150x90x20 mm



Weight: 0,1 kg

Equipment:

- model tooth (28 pcs.)
- passport of the product.

CM0010

MODEL OF THE UPPER AND LOWER JAMS WITH 32 INTACT TEETH FOR ENDODONTICS

It is a dental model of the upper and lower jaws with a transparent gum. Anatomically it corresponds to the dental apparatus of an adult patient. The closure is implemented in the stable occlusion. The set includes 32 model teeth.

These model teeth are removable with root canals and transparent. At the root level they are fixed with screws. The ergonomic mounting system makes it easy to install the model in the occluder and simulator.

It is compatible with the machines of production «Frasaco».



The following anatomical features are displayed in details:

- interdental spaces;
- the chewing surfaces and the structure of the crowns;
- cervical area of the teeth;
- gums and palate;
- front teeth.

The dental model is intended for using by students and residents of higher education of universities and medical colleges during accreditation.



Dimensions: 175x115x40 mm



Weight: 0,1 kg

Equipment:

- model of the upper and lower jaws;
- model tooth (32 Pcs);
- screwdriver;
- the storage box;
- passport of the product.

CM0014

SET OF 32 MODEL TEETH 3-323

It is a set of 32 model teeth of natural shape, transparent at the root level, with red root canals.

It can be consumable for the dento-model CM0043. The material of the teeth in its physical quality is close to the natural values.



Dimensions: 150x90x20 mm



Weight: 0,1 kg

Equipment:

- model tooth (32 pcs.);
- passport of product.

CM0011

MODEL OF THE UPPER AND LOWER JAWS WITH 24 INTACT TEETH OF A REMOVABLE BITE

It is a dental model of the upper and lower jaws with elastic gums. Anatomically it corresponds to the child's dental apparatus. The closure is implemented in the stable occlusion. The set includes 24 model teeth: 20 permanent teeth are fixed with screws and 4 temporary teeth are not fixed, which allows you to demonstrate the process of their loss of the children.

This model is designed for the development of therapeutic skills. The ergonomic mounting system makes it easy to install the model in the occluder and simulator.

It is compatible with the machines of production «Frasaco».

The following anatomical features are displayed in details:

- interdental spaces;
- the chewing surfaces and the structure of the crowns;
- cervical region of the teeth;
- gums and palate;
- front teeth.

The dental model is intended for using by students and residents of higher education of universities and medical colleges during accreditation.



Dimensions: 175x115x40 mm



Weight: 0,1 kg

Equipment:

- model of the upper and lower jaws;
- model tooth (24 Pcs);
- screwdriver;
- the storage box;
- passport of the product.



CM0012

MODEL OF THE UPPER AND LOWER JAWS WITH 32 INTACT TEETH

It is a dental model of the upper and lower jaws. Anatomically it corresponds to the dental apparatus of an adult patient. The closure is implemented in the stable occlusion. The set includes 32 model teeth.

This model is designed for the development of therapeutic skills. Removable teeth are secured with screws. The ergonomic mounting system makes it easy to install the model in the occluder and simulator.

It is compatible with the machines of production «Frasaco».

The following anatomical features are displayed in details:

- interdental spaces;
- the chewing surfaces and the structure of the crowns;
- cervical region of the teeth;
- gums and palate;
- front teeth.

The dental model is intended for using by students and residents of higher education of universities and medical colleges during accreditation.



Dimensions: 175x115x40 mm



Weight: 0,1 kg

Equipment:

- model of the upper and lower jaws;
- model tooth (32 Pcs);
- screwdriver;
- the storage box;
- passport of the product.



CM0002

SELF-TRAINED PHANTOM WITH TORSO

This dental simulator is an imitation of an adult patient (head and torso). The head is made of a synthetic material that visually and palpationally imitates the skin. For realism of conducting practical exercises nose, eyes, ears and open mouth are implemented on the head model. The model has an adjustable articulator that reproduces the movements of the lower jaw.

The dental simulator consists of:

- models of the head on a hinged support;
- removable face mask with drainage tube and liquid collection container;
- a plastic torso with a universal mount, suitable for a dental chair of any modification.

Our simulator is designed for installation in a functioning dental chair. Also it is designed to train students, residents and doctors in passing certification and accreditation.



Dimensions: 820x440x350 mm



Weight: 10 kg

Equipment:

- dental simulator (head torso) - 1 pc;
- dento - model of the upper and lower jaw – 1 pc;
- safety glasses-1 pc;
- rigid transport bag-1 pc;
- passport of product.

CM0020

MODEL FOR PRACTICING SURGICAL SKILLS

It is a model of the upper and lower jaws of an adult with an incomplete dentition and various pathologies:

- dystopia of the canine tooth on the upper jaw;
- wisdom tooth dystopia;
- swelling of the subgingival formations.

Soft tissues that imitate the oral cavity and teeth are removable and easy to replace. The model can be installed in a phantom dental head using a transition plate.

The model is intended for use in medical educational institutions.



Dimensions: 220x200x80 mm



Weight: 0,35 kg

Equipment:

- upper and lower jaw model with transition plate;
- set of teeth;
- storage case;
- passport of product.

CM0018

UPPER AND LOWER JAW MODEL WITH OCCLUDER

It is a model of the upper and lower jaws of an adult that installed in an occluder. This mechanism allows you to reproduce the vertical movements of the lower jaw (opening and closing). The occluder has a seat for mounting on a special rotating tripod with a locking system (the tripod is not included in the delivery package). A set of 32 replaceable teeth of natural shape is installed in the model with the help of mounting screws. The screws have a special Torx slot, providing a high degree of torque transmission and maximum fixation. The closure of the jaws in a stable occlusion is realized.



Dimensions: 220x200x80 mm



Weight: 0,35 kg

Equipment:

- dento - model of the upper and lower jaws with an occluder;
- set of teeth with screws;
- storage case;
- screwdriver;
- passport of product.

CM0019

SET OF 32 MODEL TEETH 3-320

It is a set of 32 model teeth with mounting screws. It is designed for installation in the model of the upper and lower jaws with an occluder. The mounting screws have a special slot, torx that providing a high degree of torque transmission and maximum fixation.

The model is aimed for use in medical educational institutions.



Dimensions: 150x90x20 mm



Weight: 0,12 kg

Equipment:

- set of 32 model teeth;
- passport of product.

CM0021

DENTAL SIMULATOR

It is a model of a human head that mounted on a universal articulated support. The locking system allows you to install the simulator in any convenient position, depending on the tasks and the training process. For realistic practical training nose, eyes, ears and open mouth are implemented on the head model. The simulator allows you to install various models of well-known manufacturers. The model has a built-in adjustable articulator that reproduces the movements of the lower jaw. The cover of the head model is made of elastic, wear-resistant material.

The simulator is aimed for use in medical educational institutions.



Dimensions: 450x330x210 mm



Weight: 12 kg

Equipment:

- human head model with built-in articulator;
- upper and lower jaw model;
- universal joint support;
- face mask;
- screwdriver;
- fasteners;
- transport and storage case;
- passport of product;
- user manual.



CM0022

LOWER JAW MODEL FOR TORSO IMPLANTOLOGY

It is a model of the lower jaw of an adult with a complete lack of dentition. The model has an imitation of the gum and it is designed to practice the skills of installing a dental implant. The gum is replaceable.

For installation in a dental simulator the model is equipped with a special transition plate. The model is intended for use in medical educational institutions.



Dimensions: 120x120x80 mm



Weight: 0,3 kg

Equipment:

- model of the lower jaw;
- imitation gum;
- storage case;
- passport of product,.



CM0016

SET OF ENDOBLOCKS 3-01

This set of transparent rectangular blocks consists of red root canals (straight and curved). It is aimed for practicing the skills of root canal dissection, in order to improve the effectiveness of training students, residents and practitioners in passing certification and accreditation.

Equipment:

- set of endoblocks (4 pcs.);
- passport of product.



Weight: 0,015 kg



CM0017

SET OF ENDOBLOCKS 3-02

It is a set of transparent rectangular blocks with red root canals, curved at 20-30 degrees.

It is aimed for practicing the skills of root canal dissection, in order to improve the effectiveness of training students, residents and practitioners in passing certification and accreditation.

Equipment:

- set of endoblocks (4 pcs.);
- passport of product.



Weight: 0,015 kg



CM0023

DENTAL TRAINING COMPLEX

The composition of the training complex:

Dental unit with lower instrument feed, electro-mechanical drive of the patient's chair, right and left armrest, shadowless LED lamp of the touch type.

The doctor's block consists of:

- multi-function water-air-spray gun;
- module with fiber optics for the turbine tip;
- two modules for connecting the turbine tip without fiber optics;
- independent spray adjustment for each tool;
- pneumatic brake of the doctor's table.

The hydroblock is combined with the patient's chair and includes:

- self-contained water supply to the tools;
- rotary glass bowl;
- universal control pedal.

Assistant position:

- water-air gun;
- salivary pump;
- vacuum cleaner.



The dental unit contains an automated workplace that is based on a tablet monoblock with installed software containing theoretical material, a database of video tutorials and tests with more than three thousand questions.

Video recording system for events with the ability to view them.

The dental simulator is an imitation of an adult patient (head torso). The head is made of synthetic material that visually and palpationally imitates the skin. The nose, eyes, ears and open mouth are implemented on the head model for realism at the procedure of conducting practical exercises. The model has an adjustable articulator that reproduces the movements of the lower jaw.

The dental simulator consists of:

- models of the head on a hinged support;
- liquid collection tanks;
- removable face mask with drain tube;
- plastic torso with universal attachment.

Model of the upper and lower jaws with 32 intact teeth.

It is a dental model of the upper and lower jaws. Anatomically corresponds to the dentoalveolar apparatus of an adult patient. The closure is realized in a stable occlusion. The set includes 32 model teeth. It is intended for the development of therapeutic skills. Removable teeth are secured with screws. The ergonomic mounting system makes it easy to install the model in the occluder and simulator.

The interoral chamber.

Dental compressor in a specialized casing with a noise reduction system.

A doctor's chair, in a color scheme with a dental unit.



Equipment: 1400x1100x1750 mm



Weigh: 150 kg

Equipment:

- dental unit;
- dental simulator;
- monoblock;
- video recording system;
- interoral chamber;
- compressor;
- doctor's chair;
- tool table;
- user Manual.



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