



mtm
medical training models



Product Catalog



TECHNOLOGY



INNOVATION



BEST VALUE

August 2023

Who we are

MTM is a company specialized in technology for simulation and medical training, with products present in Brazil and worldwide. Since 2009, we have actively sought to affirm the use of simulation, favoring professional qualification in the health area and facilitating access to new technologies.



Innovation, technology and the best value for money in simulators for medical training

Surgeman

With its unique Work Islands system, the Surgeman is ideal for training in essential trauma and emergency procedures. With reduced costs, realistic artificial skin and fast and localized replacements, Surgeman is present in several training centers, in the main university centers and in ATLS centers in several countries.



Advanced and practical surgical simulator with the **best value for money** on the market



MTM medical simulators are **complete and economical**, replacing the use of animals and presenting several advantages

BENEFITS:

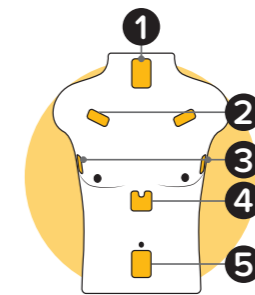
- Closer references to human anatomy
- Reduced operating costs
- No dirt and bad odor
- No risk of biological accidents

OUR SIMULATORS DO NOT NEED:

- Special rooms
- Sanitation
- Surgical clothing and supplies
- Veterinary anesthesiologist
- Differentiated disposal

WORK ISLANDS

Each Work Island has its own characteristics that respect the stratigraphy of the human body, ensuring its suitability for the practice of different procedures, in addition to incision and suture in every area.



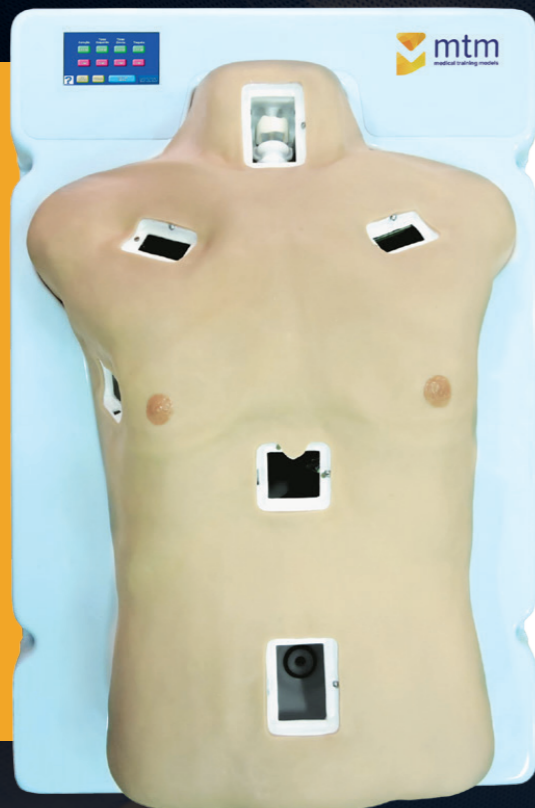
1. CRICOTHYROID PUNCTURE AND SURGICAL CRICOTHYROIDOSTOMY
2. THORACENTESIS
3. PLEURAL DRAINAGE (gastric hernia available in the left cavity)
4. PERICARDIOCENTESIS
5. DIAGNOSTIC PERITONEAL WASHING
6. INCISION AND SUTURE (in every area from 1 to 5)

Surgeman PRO

All the advantages of the traditional model, plus electronic functions controlled by the touch screen, which further enriches the simulation experience. All the Surgeman procedures are available in this model.



EVEN MORE
ADVANCED



ROTATIONABLE HEART

It avoids punctures in the same place and extravasation of artificial blood.



AUXILIARY LED

Pericardial puncture aided by luminous signal.



SOUND EFFECTS

Effect of air output through the trachea and thorax.



Surgeman Mini

All the benefits of Surgeman in a compact version. Five cervical and thoracic procedures are available.



EVEN MORE
ECONOMIC



FIVE SPECIALIZED PROCEDURES

- Percutaneous Cricothyrotomy
- Surgical Cricothyrotomy
- Anterior Thoracentesis
- Lateral Thoracentesis
- Lateral Pleural Drainage



Accessories and replacements

TRANSPORT CASE

Safe and practical transport and storage

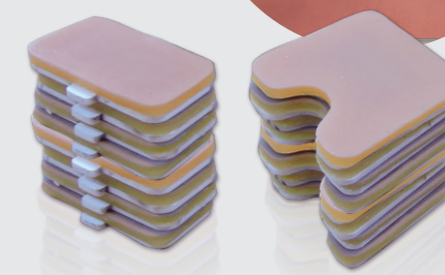
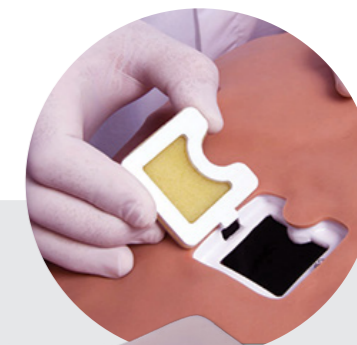
- Made of resistant material
- Internal compartments to accommodate different components
- Available in two sizes: for conventional/PRO and Mini models



WORK ISLANDS

Economical and smart replacement

- Made with high quality artificial skin
- Realistically recreates the characteristics of human tissue and its mechanical response to manipulation, cutting and suturing
- Reduced replacement area, restricted to procedure locations
- Available in separate specialized parts or in kits
- A single kit allows up to 16 students to practice all procedures



SPARE PARTS:

• Cricothyrotomy • Thoracentesis • Pleural drainage • Pericardiocentesis • Peritoneal washing

KITS:

- | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • Kit-62: <ul style="list-style-type: none"> - Cricothyrotomy: 18 pieces - Pleural drainage: 18 pieces - Peritoneal washing: 18 pieces - Thoracentesis: 4 pieces - Pericardiocentesis: 4 pieces | <ul style="list-style-type: none"> • Kit-56: <ul style="list-style-type: none"> - Cricothyrotomy: 16 pieces - Pleural drainage: 16 pieces - Peritoneal washing: 16 pieces - Thoracentesis: 4 pieces - Pericardiocentesis: 4 pieces | <ul style="list-style-type: none"> • Kit-50: <ul style="list-style-type: none"> - Cricothyrotomy: 20 pieces - Pleural drainage (or peritoneal lavage): 20 pieces - Thoracentesis: 5 pieces - Pericardiocentesis: 5 pieces | <ul style="list-style-type: none"> • Kit-44: <ul style="list-style-type: none"> - Cricothyrotomy: 20 pieces - Pleural drainage: 20 pieces - Thoracentesis: 4 pieces |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Stop Bleeding Simulator



For practicing **external bleeding management**

Reusable device simulating a deep wound on a human thigh segment. Used for wound compression training with compresses and the like. Available in 3 versions:



COMPACT UNIT
Our most economical model

Allows manual application of blood



STANDARD UNIT
With active bleeding

With included theatrical blood



FULL UNIT
With bone exposure/fracture

Allows active bleeding and includes theatrical blood

A **practical and realistic** way to develop suturing skills

MTM suture training simulation skins pieces mimic human surface stratigraphy, with realistic mechanical responses to incisions and sutures. Each piece measures 700 x 70 x 10 mm, allowing the practice of multiple sutures. The use of training racks ensures that the pieces remain firm and correctly positioned for practice, delimiting the work area and saving material.

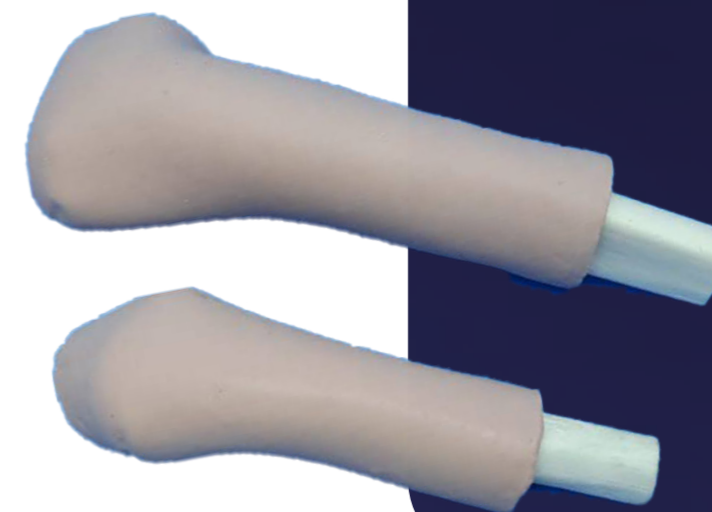
STANDARD KIT: 10 PIECES

COMPLETE KIT: 10 PIECES + 5 FRAMES



Realistic access with needle or EZ-type device

Intraosseous access simulator, composed of a segment of the upper limb, from the acromion to the distal third of the ulna. Coated with our artificial skin and subcutaneous tissue which simulates the human tissue in a very realistic way. Used for intraosseous access training with an intraosseous access needle or with an EZ-type device.



Suture Kit

Our simulation skin pieces are available in two versions:

2L - ECONOMIC
Realistic skin and subcutaneous tissue simulation

3L - COMPLETE
Realistic simulation of skin, subcutaneous tissue and muscle

Intraosseous Access

REALISTIC TWO-LAYER COATING
Realistic skin and subcutaneous tissue simulation

Organs and blood



LUNGS



DIAPHRAGMATIC
HERNIA



THEATRICAL BLOOD



VASCULAR KIT (HEART
+ THEATRICAL BLOOD)



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Visit our website for more information
about the entire MTM product line.

www.mtmmodels.com.br