Karl Storz Tele Pack X

Part No: **SZ20045001EN**

The Tele Pack X integrates a monitor, camera system and light source into a compact, versatile and highly portable package suitable for a variety of endoscopic applications. The operative range varies from skills training environments using laparoscopic simulators, to doctors' offices, and specialties such as gynaecology, urology, ENT and cardiovascular surgery.

It offers the perfect combination of portability, high quality imaging and flexible application.

**Features**

- Compatible with Karl Storz Telecam 1 Chip Camera Heads and Karl Storz Video Endoscopes
- Hi-Lux 50 watt high performance light source
- Colour temperature of 5700K for natural colour rendition
- Integral 15” LCD monitor
- Rotatable image display
- 24 Bit colour for natural colour rendition
- DVI video input for pristine picture quality
- DVI video output for connecting HD monitors
- SD card slot for high capacity storage
- USB slot for external HDD and flash drives
- Picture gallery for records
- Playback of saved videos
- Sturdy portable design
- Integrated wipe-clean keyboard
- Ergonomic design

**Fibre Light Guide Cable**

Part No: **SZ495NA**

**Telecam Camera Head**

Part No: **SZ20212030**

Soft Tissue Retaining Set

Part No: **50151**

For securing synthetic soft tissue components used in intermediate surgical training and laparoscopic trainers.

**Features**

- Retaining clips recommended for use on a smooth work surface or on the variable slope jig to stabilise synthetic:
  - bowel
  - arteries and veins
  - flat pads
- Variable slope jig allows practise of surgical skills at varying angles for more realistic and/or difficult presentation of components
- Provides for structured and staged learning
- Easy-to-use and versatile: sucker feet allow for easy positioning and removal on smooth surfaces
- Can be fitted into other laparoscopic boxes/trainers
- Hardwearing
- Easy to clean

**Package supplied**

- 4 retaining clips
- 1 variable slope jig

**Note**

This set is included with the MATT Trainer - Standard (page 70)

| Packaged weight (g) & dimensions (mm) | 250 | 350 | 240 | 10 |
|--------------------------------------|-----|-----|-----|----|
|                                      | g    | l   | w   | h  |
|                                      | 250  | 350 | 240 | 10 |
Minimal Access Therapy Technique (MATT) Trainer - Standard

Part No: 50150

A portable laparoscopic technique trainer for structured and staged ‘hands-on’ training.

The carrying case unfolds to provide an integral work surface in the base and storage compartment in the lid. The base unit can be used for open surgical practise, or with the frame and abdominal wall in place, for laparoscopic technique training.

A wide range of Limbs & Things synthetic soft tissue components can be introduced to teach techniques in line with the trainees’ clinical progression, and their chosen specialty.

Skills
• Hand-eye co-ordination
• Use of laparoscopic instruments (not supplied)
• Techniques and skills depending on the synthetic soft tissue component presented

Features
• Includes 2 Small Surgical Dissection Pads (page 73)
• Includes the Soft Tissue Retaining Set (page 69) for mounting laparoscopic components
• Unique Limbs & Things Abdominal Wall enables:
  - trochar and instruments to be triangulated freely;
  - instruments can be placed laterally as well as ventrally
  - repeated introduction of instruments and the sealing of their port holes after use
• Supplied with the versatile Laparoscopic Arm (see left)
• Portable and cost effective
• Suitable for wet and dry skills laboratory work
• More information on the product web page

Package supplied Part No
• 1 Laparoscopic Arm 50147
• 1 MATT Abdominal Wall 50146
• 1 Soft Tissue Retaining Set 50151
• 2 Small Surgical Dissection Pads 50118
• 1 carry case with base, frame & securing clips
• 1 non-slip mat
• 1 tube of port hole sealant

Packed weight (kg) & dimensions (mm)

| 7.5 kg  | 510 l  | 410 w  | 200 h  |
|--------|--------|--------|--------|

Use with these laparoscopic products:

www.limsandthings.com
Pyxus HD
Part No: INV-HD-TF
With a fixed HD camera module as standard the Pyxus surgical training device offers high quality take home laparoscopic training.

Skills
• Use of surgical forceps
• Basic knot tying
• Basic laparoscopic skills

Features
• USB connectivity allowing use with any compatible PC or Mac
• The sturdy, high definition view of the surgical field provided by the fixed camera is ideal for solo training
• The ISS neohaptic entry ports allow for smooth insertion of surgical forceps

Package supplied
• 1 Pyxus surgical box trainer with fixed HD camera
• 1 LED light source
• 1 Tabula training base
• 2 laparoscopic grasping forceps

Packaged weight (kg) & dimensions (mm)
3 kg 450 l 305 w 305 h

Pyxus Pro
Part No: INV-PRO
The Pyxus Pro is an affordable surgical training device designed for use in institutions, as well as by the individual user. With a fully integrated, adjustable 15.6” HD screen the Pyxus Pro is a must have for any institution delivering basic and advanced laparoscopic skills training. This package provides everything needed to deliver basic laparoscopic skills training straight out of the box.

Skills
• Use of surgical forceps
• Basic knot tying
• Basic laparoscopic skills

Features
• No computers: simply plug in and go
• ISS neohaptic entry ports allow for smooth insertion of surgical forceps
• Basic skills developed on the Tabula can be supplemented with the range of ISS skills training bases
• The ISS 8mm trocars allow pre loading of the needle driver without damaging the neohaptic entry port

Package supplied
• 1 Pyxus surgical box trainer with 15.6” monitor
• 1 LED light source
• 1 Tabula training base
• 2 laparoscopic grasping forceps

Packaged weight (kg) & dimensions (mm)
7 kg 500 l 400 w 300 h

Pyxus Pro Glide
Part No: INV-PRO-G
The Pyxus Pro Glide is a top of the range surgical training package. The ISS ‘Glide’ trolley allows the Pyxus to be moved easily for use anywhere within an institution. The trolley’s shelving system allows all training bases and forceps to be stored neatly and safely between uses. The adjustable vertical screen mount and fully integrated 15.6” monitor provide the most true to life viewing angle currently available.

Skills
• Use of surgical forceps
• Basic knot tying
• Basic laparoscopic skills

Features
• No computers: simply plug in and go
• The ISS neohaptic entry ports allow for smooth insertion of surgical forceps
• The laparoscopic grasping forceps and Tabula training base included in this package are ideal for developing basic laparoscopic skills

Package supplied
• 1 Pyxus surgical box trainer
• 1 ISS ‘Glide’ Trolley
• 1 Fully integrated 15.6” monitor
• 1 LED light source
• 1 Tabula training base
• 2 laparoscopic grasping forceps

Packaged weight (kg) & dimensions (mm)
16 kg 600 l 800 w 350 h
Helago HD Laparoscopic Trainer

Part No: HEL-LT018

This new versatile laparoscopic trainer incorporates a full HD/1080p digital camera with a 23” LCD screen. It also features VGA outputs for connection to a digital projector or another monitor. Software is supplied to enable video capture of laparoscopic tasks for subsequent analysis and discussion.

Skills
• Hand eye co-ordination
• Use of laparoscopic instruments
• Techniques and skills depending on the laparoscopic product used inside the Trainer

Features
• Transparent laparoscopic ‘torso’ allows for both uncovered and covered operating fields: simply pick it up and turn it around (main image shows product in covered mode).
• Uncovered operating field allows for the trainee to directly observe the task performed inside the trainer (3D vision)
• Covered operating field allows the trainee to obscure his or her direct vision forcing them to use the screen (2D vision)
• USB interface allows for PC connection
• Video capture and editing capabilities through software provided
• Transparent ‘torso’ eliminates the need for additional light sources
• Open ends of ‘torso’ provide quick and easy access when changing laparoscopic components
• 12 instrument ports

Package supplied
• 1 Laparoscopic ‘torso’
• 1 Display unit with stand
• 1 CyberLink PowerDirector software

Use with these laparoscopic products:

Optional extras

Basic Laparoscopic Instruments Part No: HEL-LTOP2

A range of Helago laparoscopic trainers is available:

Visit the Limbs & Things website for more details
Large Surgical Dissection Pad

Part No: **50114**

This unique multi-layered pad with 14 fluid filled vessels for training in the seven basic surgical techniques used in open and laparoscopic surgery.

**Skills**
- Incision
- Mobilisation
- Stapling
- Dissection
- Ligation
- Division
- Suturing

**Features**
- Convincing appearance when viewed through laparoscope
- Provides a realistic response with steel blade laparoscopic instruments or a harmonic scalpel
- Made from patented material which provides for realistic suturing and stapling
- Contains 3 types of vessel: venous (3), arterial (4), bile (7) (inset picture)
- Cost effective and extremely convenient when compared with animal tissue
- Wet laboratory not required

**Package supplied**
- 1 Large Surgical Dissection Pad

| Packed weight (g) & dimensions (mm) | 115 | 235 | 190 | 10 |

Use with:
- Or this combination:

Small Surgical Dissection Pad

Part No: **50118**

A multi-layered pad with 4 fluid filled vessels for training in the basic surgical techniques, as listed for the Large Surgical Dissection Pad. The lower cost of this pad makes it ideal for individual or two person training; ideally issued to trainees at the start of a course or for self-directed learning.

**Skills**
- See Large Surgical Dissection Pad

**Features**
- (How it differs from the Large Surgical Dissection Pad)
  - Contains 2 types of vessel:
    - arterial (2)
    - bile (2)

**Package supplied**
- 1 Small Surgical Dissection Pad

| Packed weight (g) & dimensions (mm) | 30 | 205 | 90 | 10 |

Use with:
- Or this combination:
Vermiform Appendix

For practising the laparoscopic removal of the vermiform appendix. There are 3 variations of this model which present the appendix in the following positions:

- normal (as found in 32% of patients)
- post-ileal (as found 1% of patients)
- retrocaecal (as found 64% of patients)

Each model has the additional feature of a simulated peptic ulcer, for closure using peritoneum and mesentry.

Skills

• Excision and division of peritoneum
• Identification and exposure of appendix
• Mobilisation and division of vessels
• Removal of appendix
• Inspection of stump of appendix
• Repair and closure of peptic ulcer

Features

• Highly realistic model of appendix, caecum, and ileum stump presented anatomically
• The variations available in the range of appendices provide increased levels of difficulty
• Convincing fluid filled vessels, caecum contents, and tissues encourage correct handling of tissue
• Vessel incorporates a luer lock to which the Mock Blood Giving Set Part No: 60651 (page 28) may be attached to provide fluid flow for the appendicular artery. Use Mock Blood - Arterial (250ml) Part No: 60653 (page 28)
• Ideal for training course requirements; the model is designed for swift attachment to and removal from the Soft Tissue Retaining Set (page 69)
• Use within MATT Trainer - Standard (page 70), Inovus Pyxus Laparoscopic Trainers (page 71) and Helago Laparoscopic Trainer (page 72)

All products:

| Packaged weight (g) & dimensions (mm) | 100  | 320  | 200  | 20   |
|--------------------------------------|------|------|------|------|

Use with:

Or this combination:
Gall Bladders

A series of four highly realistic models of increasing complexity for structured and staged training in gall bladder removal. Trainees progress from the Surgical Dissection Pads (page 73) to this range of Gall Bladders.

Skills
- Incision and dissection of the visceral peritoneal layer
- Division and mobilisation of vessels
- Ligation of cystic artery and cystic duct
- Removal of gall bladder
- Visualisation and recognition of anatomical landmarks and organ variations
- All 7 skills defined for the Surgical Dissection Pad, within this procedure
- Cholangiogram catheter insertion and stone retrieval

Features
- Highly realistic - viewed through the laparoscope, and the tissue response to cutting and dissection is convincing (inset picture)
- The four variations of gall bladder provide increased levels of difficulty, and the element of surprise is introduced & controlled
- When running a course, the used component can be removed and replaced with a new one in seconds
- All vessels and the gall bladder are fluid filled
- Incorporates a luer lock to which the Mock Blood Giving Set Part No: 60651 (page 28) may be attached to provide fluid flow for the appendicular artery. Use Mock Blood - Arterial (250ml) Part No: 60653 (page 28)
- Use within MATT Trainer - Standard (page 70), Inovus Pyxus Laparoscopic Trainers (page 71) and Helago Laparoscopic Trainer (page 72)

Gall Bladder with Normal Anatomy
Part No: 50127
Packed weight (g) & dimensions (mm)
80 g 140 l 120 w 40 h

Gall Bladder with Bifurcated Cystic Artery
Part No: 50128
Packed weight (g) & dimensions (mm)
80 g 140 l 120 w 40 h

Gall Bladder with Short Cystic Duct
Part No: 50129
Packed weight (g) & dimensions (mm)
80 g 140 l 120 w 40 h

Gall Bladder with Wide Common Bile Duct & Stones for Exploration
Part No: 50132
Packed weight (g) & dimensions (mm)
110 g 180 l 110 w 40 h

Use with:

Or this combination: