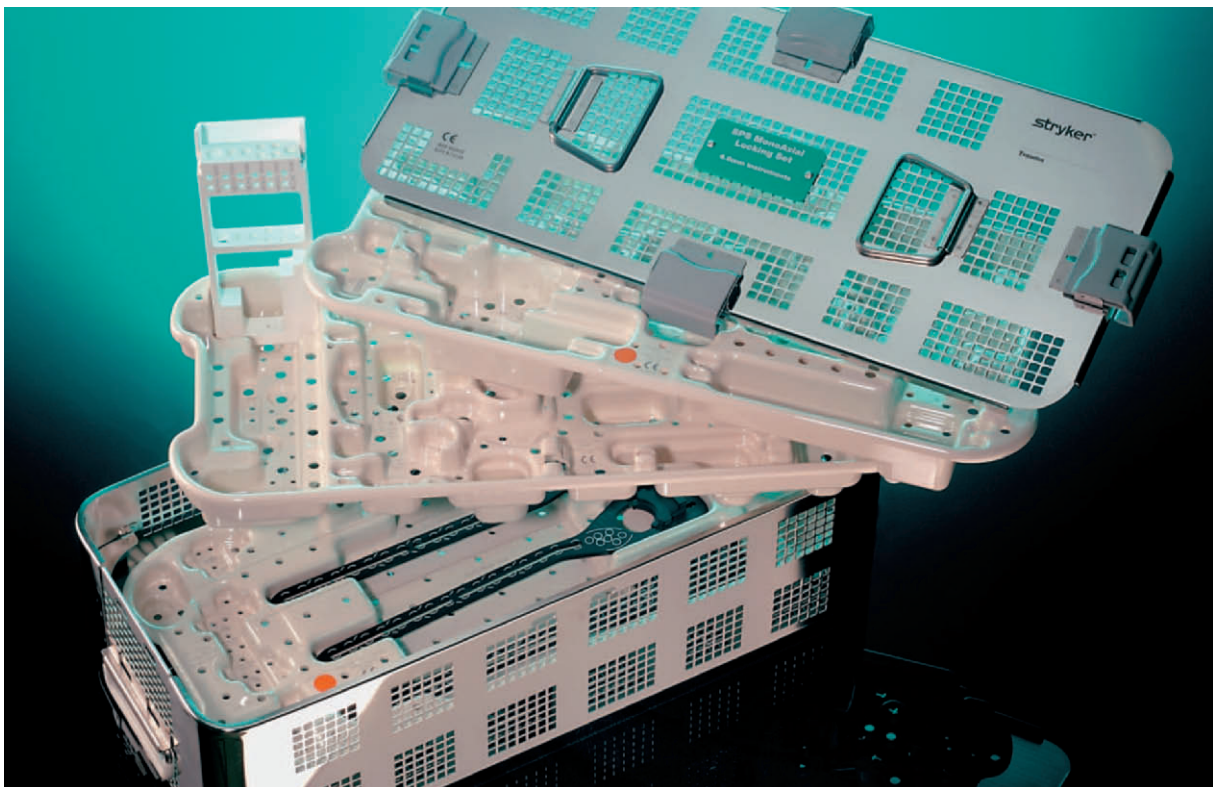




Glass and Polymer
Technologies

EuropTec

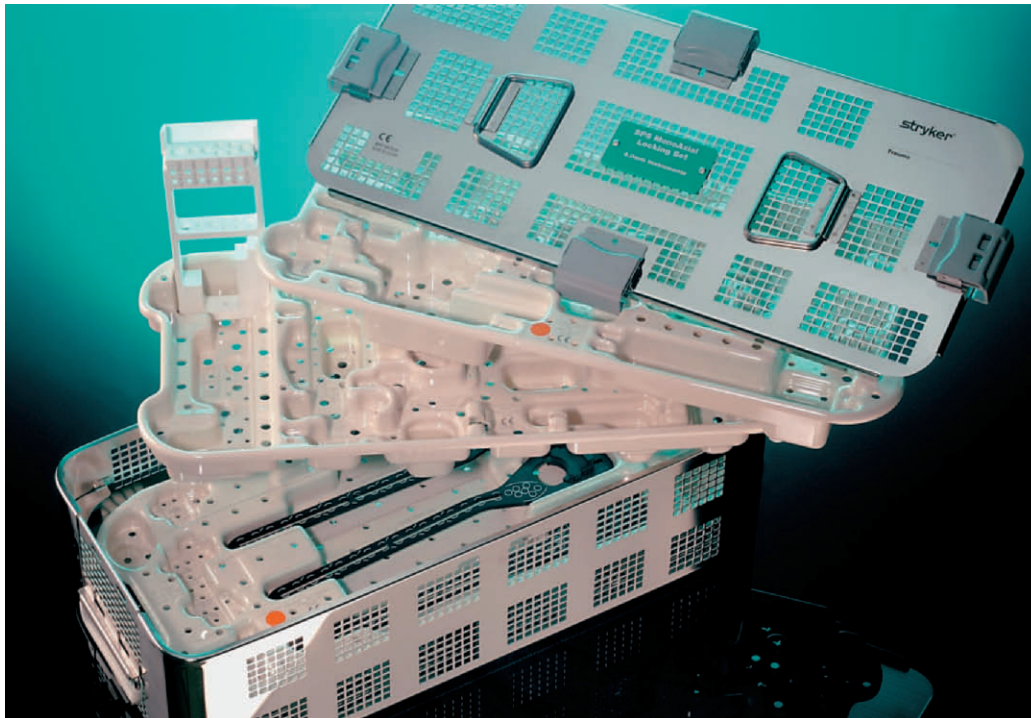
Cases and Trays
for Medical Instruments and Implants



- Speed
- Quality
- Innovation

Cases and Trays

for Medical Instruments and Implants



EuropTec is dedicated to

Speed

Time to market is a key factor. That's why our sales consultants have in-depth technical know-how and manage the projects themselves. By deploying efficient project management and a modern, in-house production facility we gain a huge speed advantage and meet our customers' needs on time.

Quality

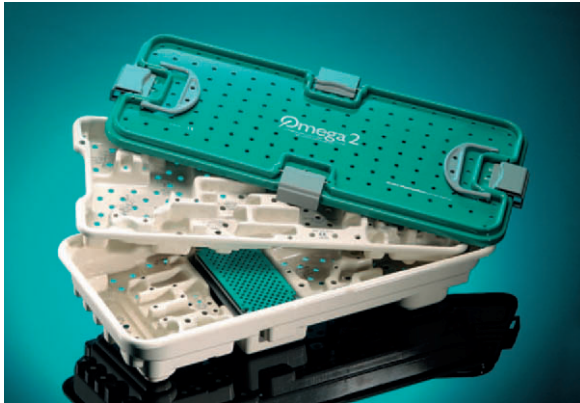
Quality is a prerequisite for success. For us, quality means primarily fulfilling our customers' expectations. Our high customer satisfaction ratings and low returns rates are evidence of our high standards.

Innovation

Our cases and trays are characterized by proper design twinned with innovative solutions. These solutions generate high flexibility, modularity and increased functionality.

Products

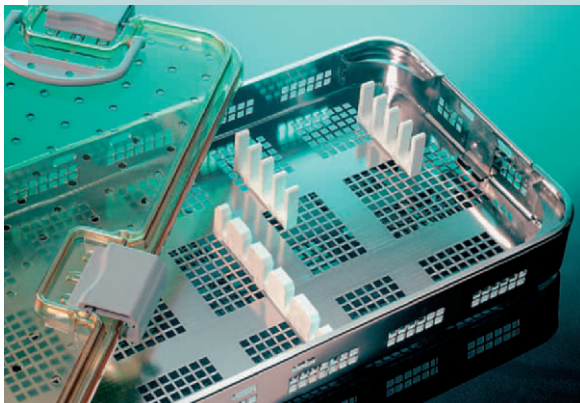
Different instruments and implants require different solutions. We will advise you as to the optimum one. Our design and production know-how in the field of cases and medical device reprocessing is impressive. Try us and see!



Plastic case (light, unbreakable)



Hybrid case (metal-plastic combination)



Metal case (high flexibility)



Machined cassette (for small parts, e. g. CMF)

All cases and trays from EuropTec feature

- excellent handling (in the order of the surgical technique)
- efficient steam sterilization (designed for proper sterilization and short drying times)
- excellent protection of instruments, implants and power tools
- suitability for shipping and transportation (shock- and vibration-tested)
- outstanding durability (all materials are resistant to cleaning agents and disinfectants)
- ease of cleaning
- clear, durable labeling
- customized solutions for special needs

Innovative solutions

We accept the challenge! Together with you, we develop innovative solutions for your cases.

Syncase



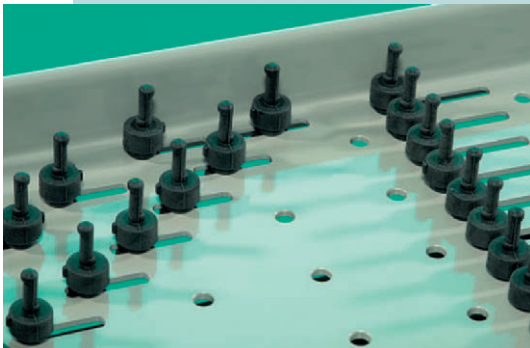
No outer case, stackable, lockable

Case-on-case click



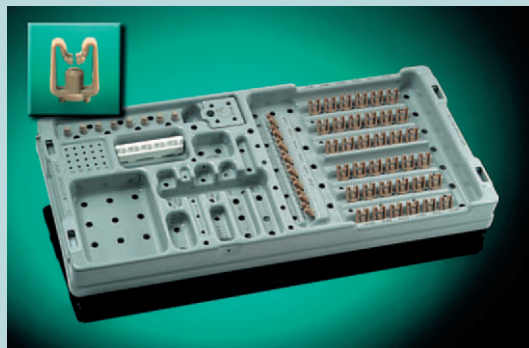
For stacking and transportation

Movable pegs



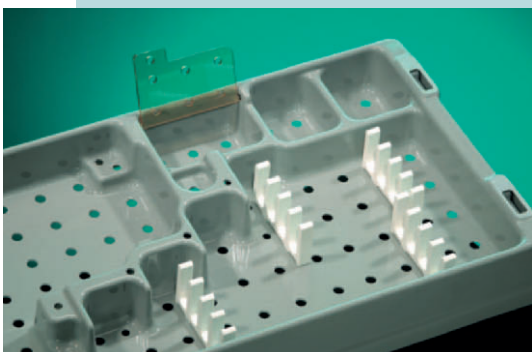
Flexibility through movable pegs for implants

Brackets



Peek brackets for proper organization and high packing density

Rack and transparent cover



Rack for high packing density and transparent cover for small parts

Outstanding thermoforming ratios



We rise to the challenge! (depth to width)

Machined Parts

We manufacture not only cases and trays, but also handles, trocars, depth gauges and test implants. You sometimes get the best solution by integrating machined parts into the cases.

Screw rack



Ideal for reprocessing, with integrated gauge

Pop-up rack



High flexibility and high packing density

Trials



Filled with silicone

Instrument handles



Blasted surface

Test implants



Curved surface

Depth gauge



Produced with deep-hole drills

Turned parts



High surface quality

Trocar



Thin-walled

Labeling

There are many ways your products can be marked, including etching, laser marking, screen printing and pad printing. Each process has its advantages. Let us advise you!

Laser marking

The material changes color by absorbing the laser beam. Bright colors are turned dark and vice versa. It is even possible to mark transparent materials.

The advantages are:

- extreme resistance (chemical, mechanical, wear)
- sharp lines
- any shape is possible



On bright material



On transparent material



On dark material

Pad printing

Pad printing is used for uneven items such as lids and the small cavities typical of cassettes.

The advantages are:

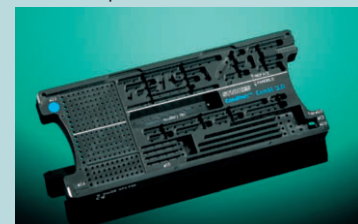
- any color is available
- high resolution



Multi-colour printing



On uneven parts



In cavities

Screen printing

Screen printing is mainly used for flat items.

The advantages are:

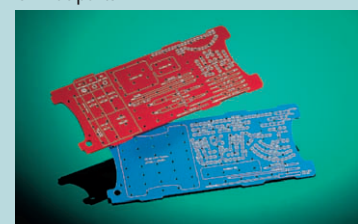
- any color is available
- no size limitation
- suited to mass production
- high covering power



Multi-colour printing



On flat parts



Whole area is screen printed

Production Technologies

Using the machines best suited to each process – that's the key to quality and cost-efficiency. EuropTec sets great store by its excellent production technologies and investments in modern production tools. The result is a range of modern machinery perfectly suited to the production of cases and trays.

Surface technologies



Vibratory finishing



Blasting



Deburring



Electro-polishing / Passivation

Process on polymers



Thermo-forming tool



Thermo forming

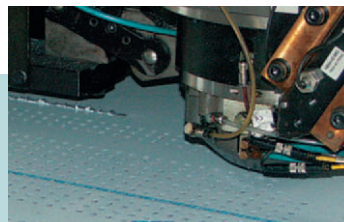


Milling



Turning

Process on metal



Punching



Bending



TIG welding



Spot welding

Project Management

Each case project follows a structured process comprising three milestones. Our development process consists of the following three phases which we complete in close cooperation with our customers.

1. Kick-Off phase

Getting Marketing and R&D to discuss all the possible outcomes with the manufacturer and designer leads to the best solutions. This is exactly what we do during the Kick-Off Meeting.

The meeting results in the target specification which determines the

- type (plastic, metal, hybrid)
- number of layers
- arrangement of instruments within the layer
- special solutions
- time plan

2. Design phase

We accept our customers' data transfers in 2D (*.dxf or *.dwg) and 3D (*.igs, *.sat or *.stp). If no electronic data is available, we draw the instruments from life. The design is released by signing off the 3D foam sample, enabling you to check the function before we manufacture the tool.

3. Prototype phase

We recommend the production of a prototype before we go into series production. This phase ends by signing off the prototype.

Special Investigations

We not only design and manufacture cases, we also undertake special investigations together with selected partners to give our customers a competitive edge. We specialize in material behavior during the reprocessing cycle, and in material improvements.

Evaluation of durable inks

We evaluated a number of inks and process technologies until we finally found a system that fulfilled all our requirements.

The color of the inks remained unchanged after 100 reprocessing cycles (washing at pH 12, disinfection and sterilization). The adhesion of the inks was still perfect, as the tape- and grid-cutting test proves.



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