

SOLUTIONS FOR ICU & EMERGENCY CARE

SURGIBEAM: Pendants and distribution columns



Surgiris
Design that cares



ICU

A MODULAR OFFER

The SURGIRIS ceiling-mounted distribution pendants are available in MONO or DUO versions and are fully modular. DUO configurations are usually preferred for ICU.

SURGIRIS offers a wide range

- Pendants for medium to heavy loads with pneumatic brakes: **ESSENTIAL S400**
- Pendants for medium to heavy loads with electromagnetic brakes: **GENIUS**
- Fixed columns: **TRYPODE**

Various configurations and options are available depending on your needs, work organizations and fields of application.

Resuscitation & Intensive care Unit (ICU)





Emergency Care



NICU



SURGIRIS is by your side

We offer our know-how to support your project.

- **Assistance at the design stage**

Using our 3D configurator, we can design a SURGIBEAM pendant perfectly suited to your needs, for immediate visualisation.



- **Installation & customer support**

Surgiris relies on a network of dedicated and trained partners, authorised to perform installation and maintenance in France and over fifty countries worldwide.

METICULOUS DESIGN

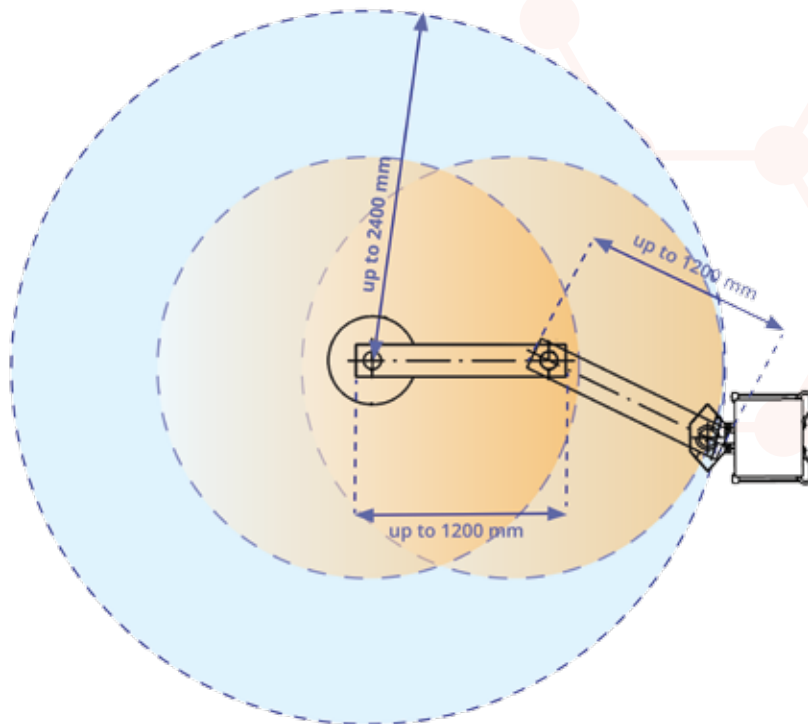
Superior technology

Full-aluminum construction, with high torsion resistance. The maximum permissible loads are determined in accordance with the IEC 60601 standard, 3rd edition.

Soft motions, optimal safety

The standard equipment of the SURGIBEAM pendants includes the electromagnetic E-Brake (patent pending) or pneumatic brakes.

Large effective fields

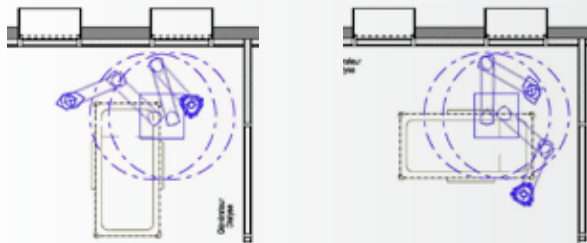


Hygiene

The use of a minimum visible screws, combined with smooth surfaces, allows easier cleaning and disinfection.

Our DUO configurations can be designed in order to allow:

- Inversion of arms: monitor side and perfusion side for example
- Patient bed positioning according to window location



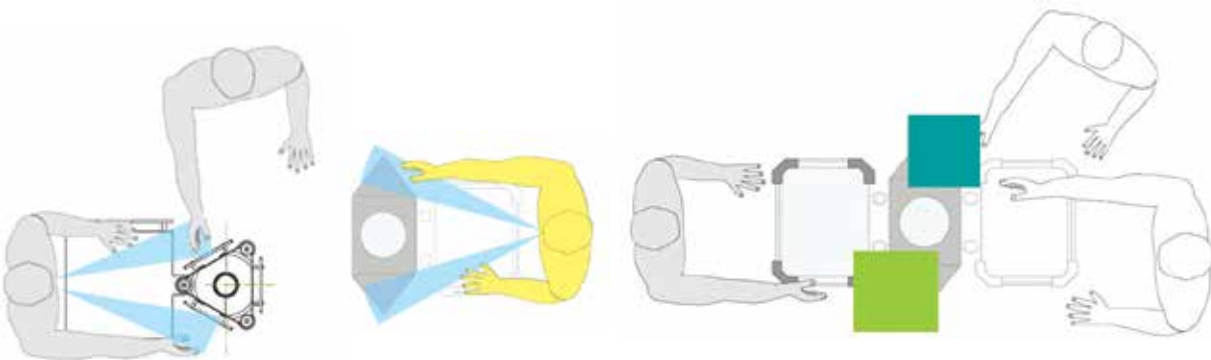
Service head ergonomics

The SURGIBOX and TRYPODE service heads are designed to ensure **maximal energy distribution** for a **minimum required space**.

Use of Ø38mm stainless steel tubes for attachment of biomedical accessories.



Their design allows easy access to each outlet, even when the box is fully equipped.



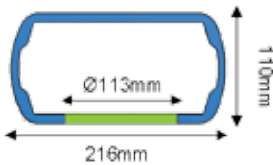
THE SURGIBEAM RANGE

GENIUS

Pendants designed for medium to heavy loads, with electromagnetic brakes

The + of GENIUS

- Extruded aluminum profile with rounded lines, capable of supporting heavy loads
- Large, 113-mm cross-section, for routing cables and hoses
- Simplified adjustment of the stops from outside the arm
- E-Brake (patent pending) electromagnetic brakes, controlled from the service head or directly from the shelf



Comfort and simplicity for users and technical staff

The electromagnetic technology provides actual comfort of use for the users. Combined with friction brakes, the E-Brake (patent pending) acts as a sliding, non-blocking brake. In case of emergency, GENIUS arms remain mobile on ball bearings. In addition, they do not need a dedicated network for compressed air supply like pneumatic brake arms do: this means reduced installation costs and maintenance.



Brake indicator light



Indirect ambient LED lighting

Optional “comfort” functions:



Comfort in use

The brake indicator lights facilitate the arm’s manipulation, by informing the operator of which brake is released.



Comfort in lighting during the night

- Adjustable indirect LED light procures a smooth general night care lighting level without disturbing the patient’s.
- LED Night light coming from the service head’s bottom side produces a floor lighting for an easy and safety room circulation



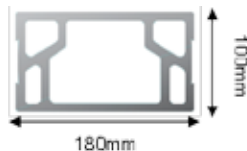
Comfort in music

The music box can play relaxing music from the service head, e.g. during anesthesia induction.

THE SURGIBEAM RANGE

ESSENTIAL S400

Medium- to heavy-load pendants with pneumatic brakes



The + of ESSENTIAL S400

- Extruded aluminum profile designed in accordance with the "Penta Cubic" system for high torsion resistance, even when subjected to the heaviest loads
- Pneumatic brakes, controlled from the service head or directly from the shelf
- Adjustable stops



Alternative: Mix configuration between articulated arm and fix column

Ergonomic solution when standard ask from medical gases doubling of networks

Fixed TRYPODE column

Configurable for 1 or 2 beds



Optionally:

TRYLED, LED lighting for visual comfort in dark environments

The of TRYPODE

- Compact
- Ergonomic
- Evolutive

TECHNICAL GUIDE: configure your SURGIBEAM

Materials: extruded aluminum, RAL 9002 color

BASIC TYPES AND CEILING ANCHORING

Basic type	MONO	DUO
Tube height	Adjustable	Adjustable
Maximum plenum	1000 mm (single anchoring) or 1700 mm (double anchoring)	1000 mm (single anchoring) or 1700 mm (double anchoring)

ARM MODELS

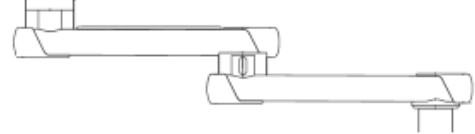
GENIUS

Advanced articulated arms for medium to heavy loads

Single



Double



Rotation	330°	330° / 330°
Brake type	Electromagnetic E-Brake (patent pending)	Electromagnetic E-Brake (patent pending)

AVAILABLE LENGTHS AND MAXIMUM PERMISSIBLE LOADS*

600 mm
800 mm
1000 mm
1200 mm

640 kg
470 kg
370 kg
300 kg

600 mm + 600 mm
600 mm + 800 mm
800 mm + 800 mm
800 mm + 1000 mm
1000 mm + 600 mm
1000 mm + 1000 mm
1000 mm + 1200 mm
1200 mm + 1200 mm

300 kg
260 kg
220 kg
190 kg
220 kg
170 kg
150 kg
130 kg

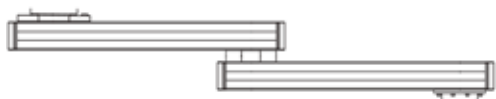
ESSENTIAL - S400

Articulated arms for medium to heavy loads

Single



Double



Rotation	330°	330° / 330°
Brake type	Pneumatic	Pneumatic

AVAILABLE LENGTHS AND MAXIMUM PERMISSIBLE LOADS*

600 mm
800 mm
1000 mm
1200 mm

580 kg
420 kg
320 kg
260 kg

600 mm + 600 mm
600 mm + 800 mm
800 mm + 800 mm
1000 mm + 600 mm
1000 mm + 800 mm
1000 mm + 1000 mm
1000 mm + 1200 mm
1200 mm + 1200 mm

265 kg
220 kg
180 kg
180 kg
150 kg
130 kg
110 kg
90 kg

BIOMEDICAL ACCESSORIES

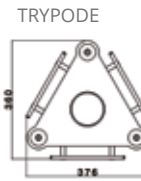
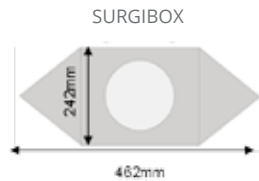
Shelves / Drawers / Infusion stands / Baskets / Rails & Hooks / Arm supports / Cable holders / Examination lamps, and more. Please consult our accessories catalogue.



* The maximum permissible loads do not include the service head and accessories.

CUSTOM MADE SERVICE HEADS

Required space
(horizontal cross-section)



AVAILABLE HEIGHTS

H = 200 mm	2-module	box
H = 400 mm	4-module	box
H = 600 mm	6-module	box
H = 800 mm	8-module	box
H = 1000 mm	10-module	box

Height = 1100 mm Height = 1500 mm

ELECTRICAL CAPACITY

Up to 6 power sockets per module

Up to 22 power sockets

Up to 24 power sockets

MEDICAL GAS CAPACITY

Up to 4 gas outlets per module

Up to 8 gas outlets

Up to 16 gas outlets

STAINLESS STEEL TUBES, Ø38 MM

Optional: 2 in front and/or 2 behind, Ø38mm.
Multiple lengths are available

3 tubes L: 1100 mm

3 tubes L: 1500 mm
Ø38 mm Ø38 mm

MEDICAL RAILS

Optional

2x3 rails L: 250 mm

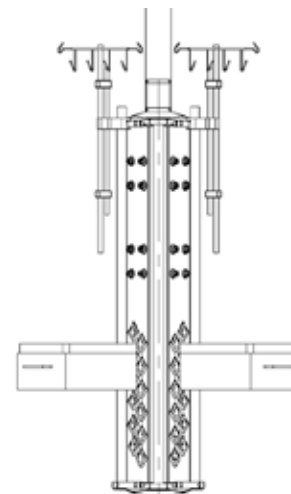
2x3 rails L: 220 mm

FIXED COLUMN

For fixed-column, the configuration and equipment options are similar to those offered for the TRYPODE 1100 and 1500.

The height of the ceiling tube is adjustable.

Maximum permissible load: * 300 kg



SURGIBEAM pendant and column product range includes also

SURGILIFT

Lifting pendant for anesthesia machine or endoscopy trolleys, with pneumatic brakes

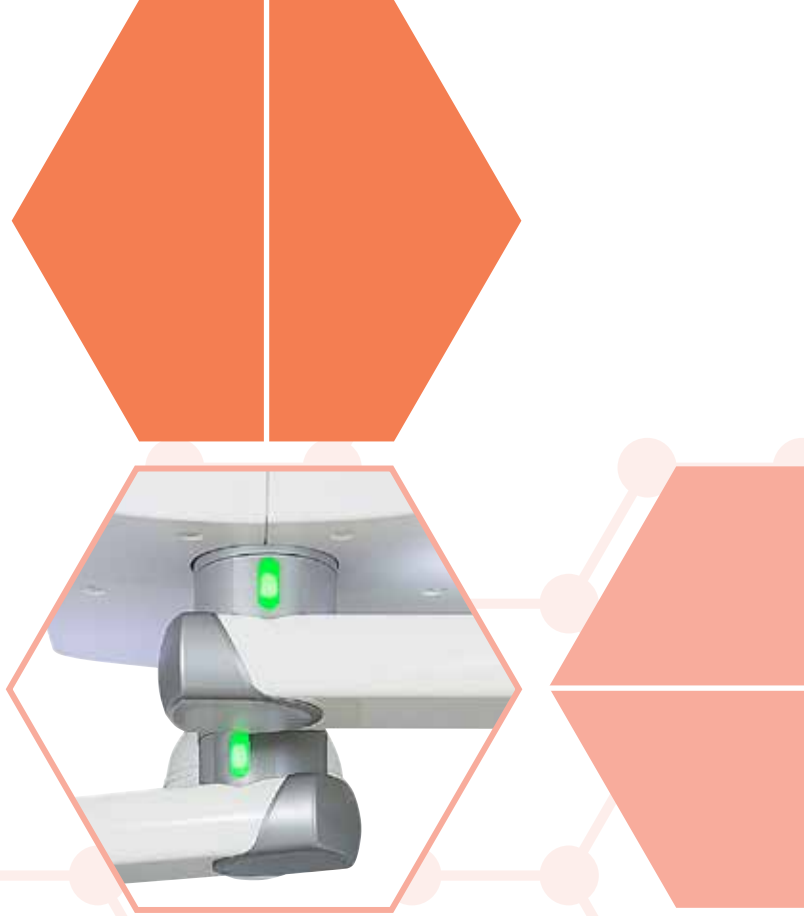
- Equipped with a remote-controlled electric motor, which allows height adjustment of anesthesia machine or endoscopy trolley.
- Extruded aluminum profile designed in accordance with the "Penta Cubic" system for high torsion resistance
- Pneumatic brakes, controlled from the service head
- Adjustable stops

MOTOR S90, MOTOR S200, MOTOR GENIUS

Adjustable-height pendant for optimal use of space

- Motorized upward/downward motion for easy and secure positioning
- Pneumatic brakes, controlled from the service head

* The maximum permissible loads do not include the service head and accessories.



Select a meticulous design

SURGIRIS is a French designer and manufacturer offering a wide range of LED surgical lights, ceiling pendants and distribution columns for OT, ICU & CCU. For more information, visit www.surgiris.com

Surgiris
Design that cares

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MADE IN FRANCE