

# 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

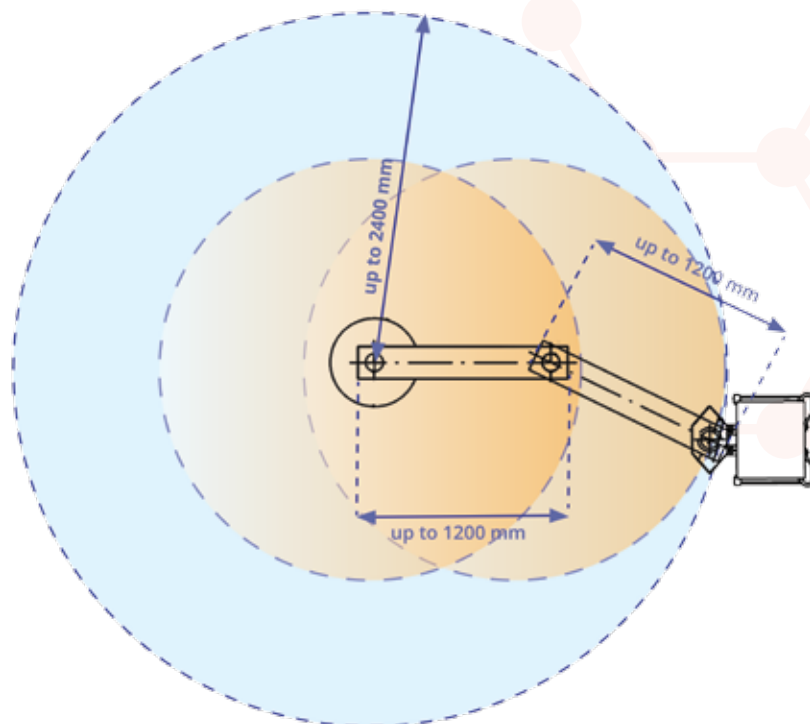
## Superior technology

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 (patented technology) or pneumatic brakes.

## Large effective fields

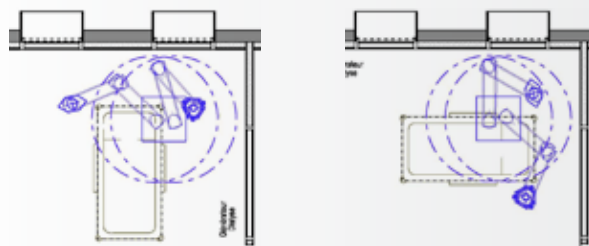


## Hygiene

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



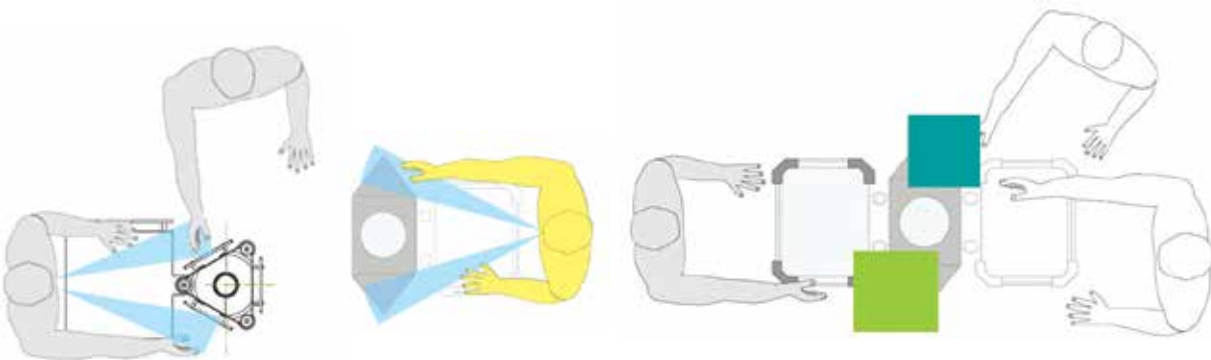
## Service head ergonomics

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.



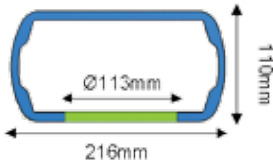
# THE SURGIBEAM RANGE

## 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 (patented technology) 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 (patented technology) 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



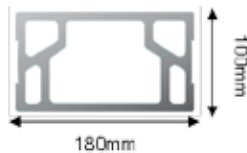
#### Comfort in music

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

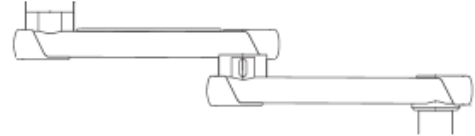
### GENIUS

Advanced articulated arms for medium to heavy loads

Single



Double



Rotation	330°	330° / 330°
Brake type	Electromagnetic E-Brake (patented technology)	Electromagnetic E-Brake (patented technology)

### AVAILABLE LENGTHS AND MAXIMUM PERMISSIBLE LOADS\*

600 mm	640 kg	600 mm + 600 mm	300 kg
800 mm	470 kg	600 mm + 800 mm	260 kg
1000 mm	370 kg	800 mm + 800 mm	220 kg
1200 mm	300 kg	800 mm + 1000 mm	190 kg
		1000 mm + 600 mm	220 kg
		1000 mm + 1000 mm	170 kg
		1000 mm + 1200 mm	150 kg
		1200 mm + 1200 mm	130 kg

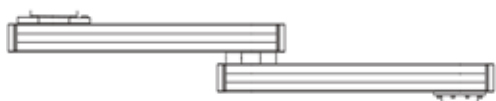
### ESSENTIAL - S400

Articulated arms for medium to heavy loads

Single



Double



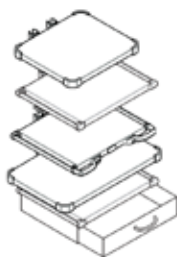
Rotation	330°	330° / 330°
Brake type	Pneumatic	Pneumatic

### AVAILABLE LENGTHS AND MAXIMUM PERMISSIBLE LOADS\*

600 mm	580 kg	600 mm + 600 mm	265 kg
800 mm	420 kg	600 mm + 800 mm	220 kg
1000 mm	320 kg	800 mm + 800 mm	180 kg
1200 mm	260 kg	1000 mm + 600 mm	180 kg
		1000 mm + 800 mm	150 kg
		1000 mm + 1000 mm	130 kg
		1000 mm + 1200 mm	110 kg
		1200 mm + 1200 mm	90 kg

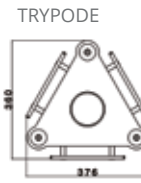
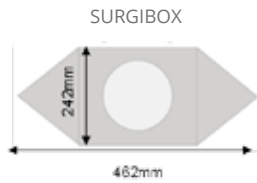
## BIOMEDICAL ACCESSORIES

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



### CUSTOM MADE SERVICE HEADS

Required space  
(horizontal cross-section)



#### AVAILABLE HEIGHTS

H = 200 mm	2-module	box		Height = 1100 mm	Height = 1500 mm
H = 400 mm	4-module	box			
H = 600 mm	6-module	box			
H = 800 mm	8-module	box			
H = 1000 mm	10-module	box			

#### ELECTRICAL CAPACITY

Up to 6 power sockets per module		Up to 22 power sockets		Up to 24 power sockets
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#### MEDICAL GAS CAPACITY

Up to 4 gas outlets per module		Up to 8 gas outlets		Up to 16 gas outlets
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#### 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
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#### MEDICAL RAILS

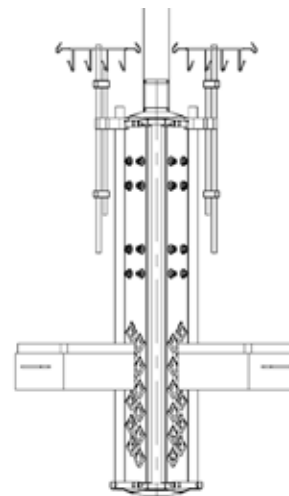
Optional		2x3 rails L: 250 mm		2x3 rails L: 220 mm
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### FIXED COLUMN

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

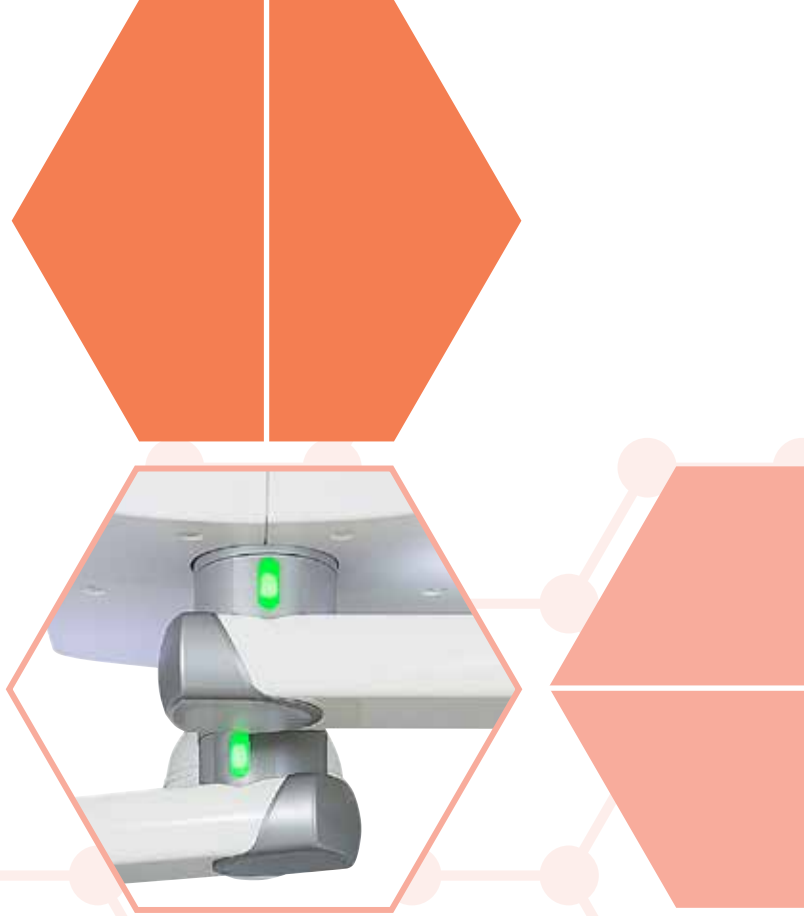
- Equipped with a remote-controlled electric motor, which allows height adjustment of anesthesia machine or endoscopy trolley.
- Extruded aluminum profile designed in accordance with the "Penta Cubic" system for high torsion resistance
- Pneumatic brakes, controlled from the service head
- Adjustable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

**Surgiris**  
*Design that cares*

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