

SOLUTIONS FOR OPERATING THEATRE

SURGIBEAM: Pendants and distribution columns



Surgiris

Design that cares



OPERATING THEATRE

A MODULAR OFFER

The SURGIRIS ceiling-mounted distribution pendants are available in MONO or DUO versions and are fully modular. MONO configurations are usually preferred for Operating Theatre (OT).

SURGIRIS offers a wide range

- Pendants for medium to heavy loads: **ESSENTIAL S400, GENIUS**
- Pendants for lifting anesthesia machines or endoscopy trolleys: **SURGILIFT**
- Motorized, adjustable-height pendants: **MOTOR S90, MOTOR S200, MOTOR GENIUS**
- Fixed columns: **TRYPODE**

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



Surgery & Anesthesia





Recovery / PACU



Perinatal care, obstetric theatre

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, authorized to perform installation and maintenance of our equipment in France and over fifty countries worldwide

METICULOUS DESIGN

Superior technology

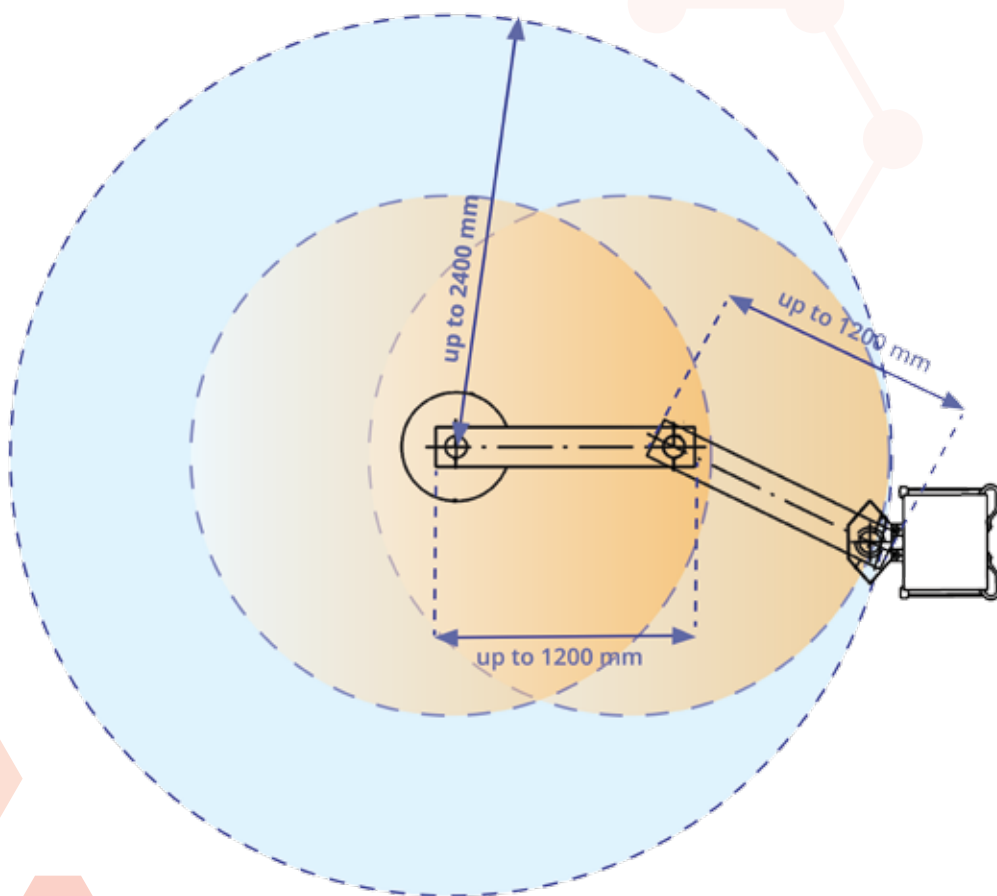
Full-aluminum construction, with high torsion resistance. The maximum permissible loads are determined in accordance with the IEC 60601 standard, 3rd edition.



Soft motions, optimal safety

The standard equipment of the SURGIBEAM pendants includes the electromagnetic E-Brake™ or pneumatic brakes.

Large effective fields



Hygiene

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

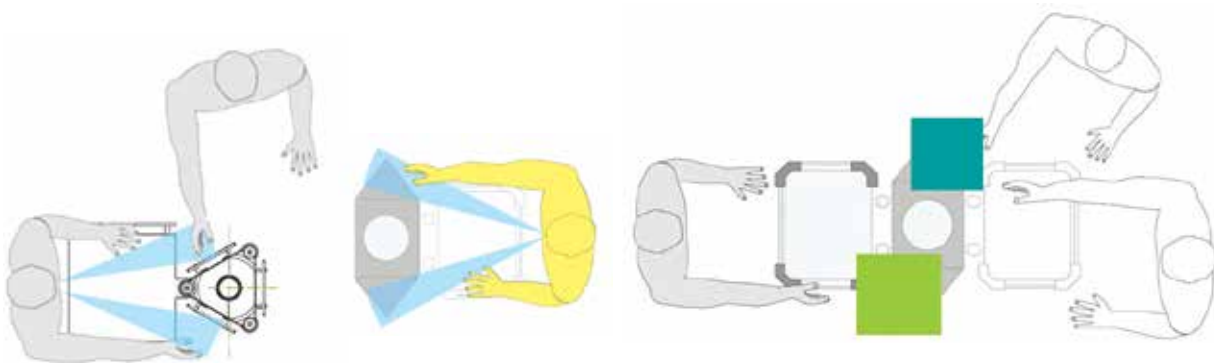
Service head ergonomics

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

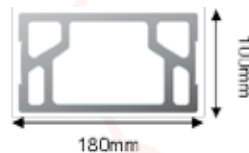


ESSENTIAL S400

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



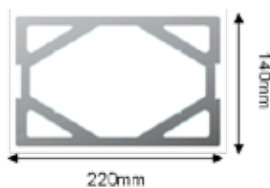
- Pneumatic brakes, controlled from the service head or directly from the shelf
- Adjustable stops

SURGILIFT

Arms for anesthesia trolleys, with pneumatic brakes

The + of SURGILIFT

- Equipped with a remote-controlled electric motor, which allows height adjustment of an 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



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

The indirect, ambient, adjustable-intensity LED lighting is particularly useful for endoscopic procedures for example.



Comfort in music

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

THE SURGIBEAM RANGE



MOTOR S90 / S200

Adjustable-height arms for optimal use of space

The **+** of MOTOR S90 & S200

- Motorized upward/downward motion for easy and secure positioning
- Pneumatic brakes, controlled from the service head of shelf
- A spring-balanced version is also available (S85)

MOTOR GENIUS

Advanced, variable-height arm



The **+** of MOTOR GENIUS

- Motorized upward/downward motion for easy and secure positioning
- Electromagnetic brakes
- Anti-collision alarm

For the operating theatre, SURGIRIS also offers **MEDIAVIEW**, a range of articulated arms that support several screens or a single 40" to 56" flat screen.

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

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

SURGILIFT

Articulated arms for anesthesia trolleys



	Single	Double
		
Rotation	330°	330° / 330°
Routing cross-section	113 cm ²	113 cm ²
Brake type	Pneumatic	Pneumatic

AVAILABLE LENGTHS AND MAXIMUM PERMISSIBLE LOADS*

600 mm	964 kg	600 mm + 600 mm	448 kg
800 mm	701 kg	600 mm + 800 mm	371 kg
1000 mm	551 kg	800 mm + 800 mm	309 kg
1200 mm	433 kg	800 mm + 1000 mm	263 kg
		800 mm + 1200 mm	226 kg
		1000 mm + 1000 mm	223 kg
		1200 mm + 1000 mm	189 kg

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*

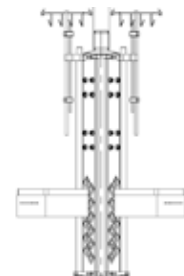
600 mm	640 kg	600 mm + 600 mm	300 kg
800 mm	470 kg	600 mm + 800 mm	260 kg
1000 mm	370 kg	800 mm + 800 mm	220 kg
1200 mm	300 kg	800 mm + 1000 mm	190 kg
		1000 mm + 600 mm	220 kg
		1000 mm + 1000 mm	170 kg
		1000 mm + 1200 mm	150 kg
		1200 mm + 1200 mm	130 kg

FIXED COLUMN

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

The height of the ceiling tube is adjustable.

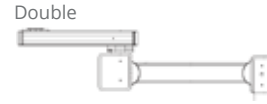
Maximum permissible load: * 300 kg



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

MOTOR - S90

Motorised multi-movement arms



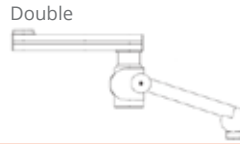
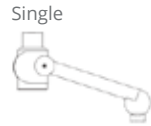
Rotation	320°	330° / 320°
Vertical clearance	+17° à -21°	+17° à -21°

AVAILABLE LENGTHS AND MAXIMUM PERMISSIBLE LOADS*

700 mm	120 kg	800 mm + 700 mm	120 kg
1000 mm	90 kg	1000 mm + 700 mm	110 kg
		800 mm + 1000 mm	90 kg
		1000 mm + 1000 mm	90 kg

MOTOR - S200

Motorised multi-movement arms for heavy loads



Rotation	320°	330° / 320°
Vertical clearance	+17° / -22°	+17° à -22°

AVAILABLE LENGTHS AND MAXIMUM PERMISSIBLE LOADS*

750 mm	200 kg	800 mm + 750 mm	200 kg
1000 mm	150 kg	1000 mm + 750 mm	200 kg
		800 mm + 1000 mm	150 kg
		1000 mm + 1000 mm	150 kg

MOTOR GENIUS

Advanced multi-movement arms



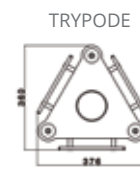
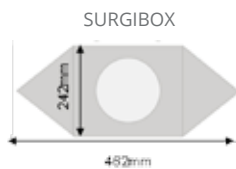
Rotation	350°	350° / 350°
Brake type	Electromagnetic E-Brake (patent pending)	Electromagnetic E-Brake (patent pending)

AVAILABLE LENGTHS AND MAXIMUM PERMISSIBLE LOADS*

1000 mm	150 kg	600 mm + 1000 mm	150 kg
		800 mm + 1000 mm	200 kg
		1000 mm + 1000 mm	150 kg
		1200 mm + 1000 mm	140 kg

CUSTOM MADE SERVICE HEADS

Required space (horizontal cross-section)



AVAILABLE HEIGHTS

H = 200 mm	boîtier à 2 modules	Height = 1100 mm	Height = 1500 mm
H = 400 mm	boîtier à 4 modules		
H = 600 mm	boîtier à 6 modules		
H = 800 mm	boîtier à 8 modules		
H = 1000 mm	boîtier à 10 modules		

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: 250mm	2x3 rails L: 220mm
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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.



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