ORBITER

Product information

TRUMPF

ORBITER

Automatic patient transfer

The patient is transferred, easily, safely and gently without any physical strain on the personnel. The transfer system facilitates optimal separation of the sterile and non-sterile areas. The automation provides a quick and easy transfer. Sensors monitor and safeguard the presence of the operating table, the correct height, the position of the patient, and the presence and height of the bed.

light barrier

- **modern operating theatre** timing through precise spatial and temporal definition of working procedures
- **capacity utilization** get a high transfer frequency through exact personal planning

- monitoring both sides of bearing surface via lightbeam barriers

- **smooth transfer** is ensured by powerful gentle starting motors

- **patented hidden belt edges protect patients** from injury

- **temperatured bearing surface**

- **positioning control** of the hospital bed and the operating table via light barriers

- **automatical set of the transfer height**

- **individual operating** with a powerful IR renote control or directly at the control block

- **non contacting charging** of the IR remote control

- **swichable speed of movement**

- **display guide:**
  - current function status
  - simple and clear menu navigation in 8 languages
  - easy to read even at an angle

ORBITER 3 - rotatable operating terminal

The display leads the user through the entire transfer procedure, advises of special situations and warns in cases of danger or operating errors.

The LCD display on the operating terminal indicates low batteries in time.

If required the unit indicates the number of operating hours and thenumber of transfers.

The patient transfer section can be raised to its highest position to protect the system and to make cleaning easier.

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As well as the earlier ORBITER 3 variant, the ORBITER 3F, a version with a window, is also available. The patient transfer system is built-in flush between two walls at the separation point to the operating area. An electrically driven window closes the opening above the patient transfer section. The systems are controlled either from a control panel with a clearly legible, back-lit LCD display built into both sides of the right-hand column or from an IR remote control.

ORBITER 3F

TRANSFER UNIT MOVE

In the non-sterile area the patient is still in bed and is moved to the transfer unit.

Positioning of the operating table in the sterile area.

The transfer unit lowers to the level of the bed.

The patient is being picked-up.

The patient is transfered to the other side of the transfer unit.

The transfer unit moves to the level of the operating table.

The patient is laid down onto the operating table.

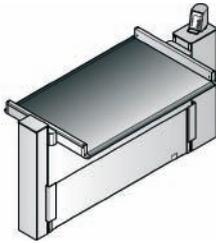If required the transfer unit can be raised to neutral position.

...and from the sterile to the non-sterile area:

For transfer from operating table to bed the procedure is carried out in reverse order.
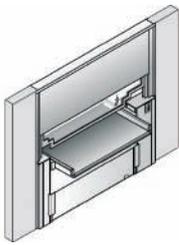
Technical Data ORBITER 3	1246213
width	2.640 mm
heught	1.390 mm
bearing surface (L x B)*	1.820 mm x 1.230 mm
length transfer platform*	1.820 mm
width transfer platform*	1.230 mm
lowest position*	670 mm
highest position*	1.180 mm
patient weight*	160 kg
weight	ca. 400 kg

Technical Data ORBITER 3F	1287662
* Technical Data analog ORBITER 3	
additional:	
width	2.890 mm
height	2.880 mm
height window open	1.900 mm
range of movement	700 mm
thickness of connecting wall	120 mm - 160 mm
weight	ca. 550 kg

entrance barrier ORBITER	1324256
entrance barrier between septic and aseptic area for patient transfer unit ORBITER;	
robust steel tubing with signof plastic;	
bar can be extended for different passage widths;	
length: 600 mm - 950 mm	
height: 1060 mm	
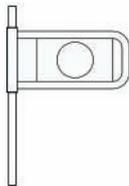
pad	4145287
for knee positioning; pad integrally foamed,	
electrically conductive and soft;	
dimension: 500 mm x 450 mm x 280 mm	

extension right	4544242
set for ORBITER 3	
for elongation of the right column up to 400 mm	
(viewpoint: unsterile field)	

extension left	4544241
set for ORBITER 3	
for elongation of the left column up to 400 mm	
(viewpoint: unsterile field)	

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