



Immediate response for your emergency COVID-19 needs

Products and services

Offerings

Since the outbreak of the COVID-19 pandemic, Turqa representatives have been addressing the immediate medical supplies procurement needs of our private and public clients. Through our select business partnerships with global vendors, Turqa delivers the below products in the shortest time frame given disruptions with global logistics chains.

1) Turnkey delivery of large-scale infection treatment centers and hospitals

- 1000 – 5000 bed infection treatment center and general hospital
- Pre-fabricated design fully deployable in 90 days

2) Procurement and delivery of key medical equipment such as ventilators

- Minimum order quantity of 200 units,
- Global delivery in 96 hours by Turqa,

3) Procurement and delivery of large quantity emergency medical supplies,

- Fulfillment of tailored orders with mass quantity
- Global delivery in 96 hours by Turqa

4) Workplace decontamination

- ULV fogging or misting which kills the virus in situ, covering large spaces very quickly
- Alongside the ULV system, we also use Electrostatic Application which disperses a targeted fog at specific areas

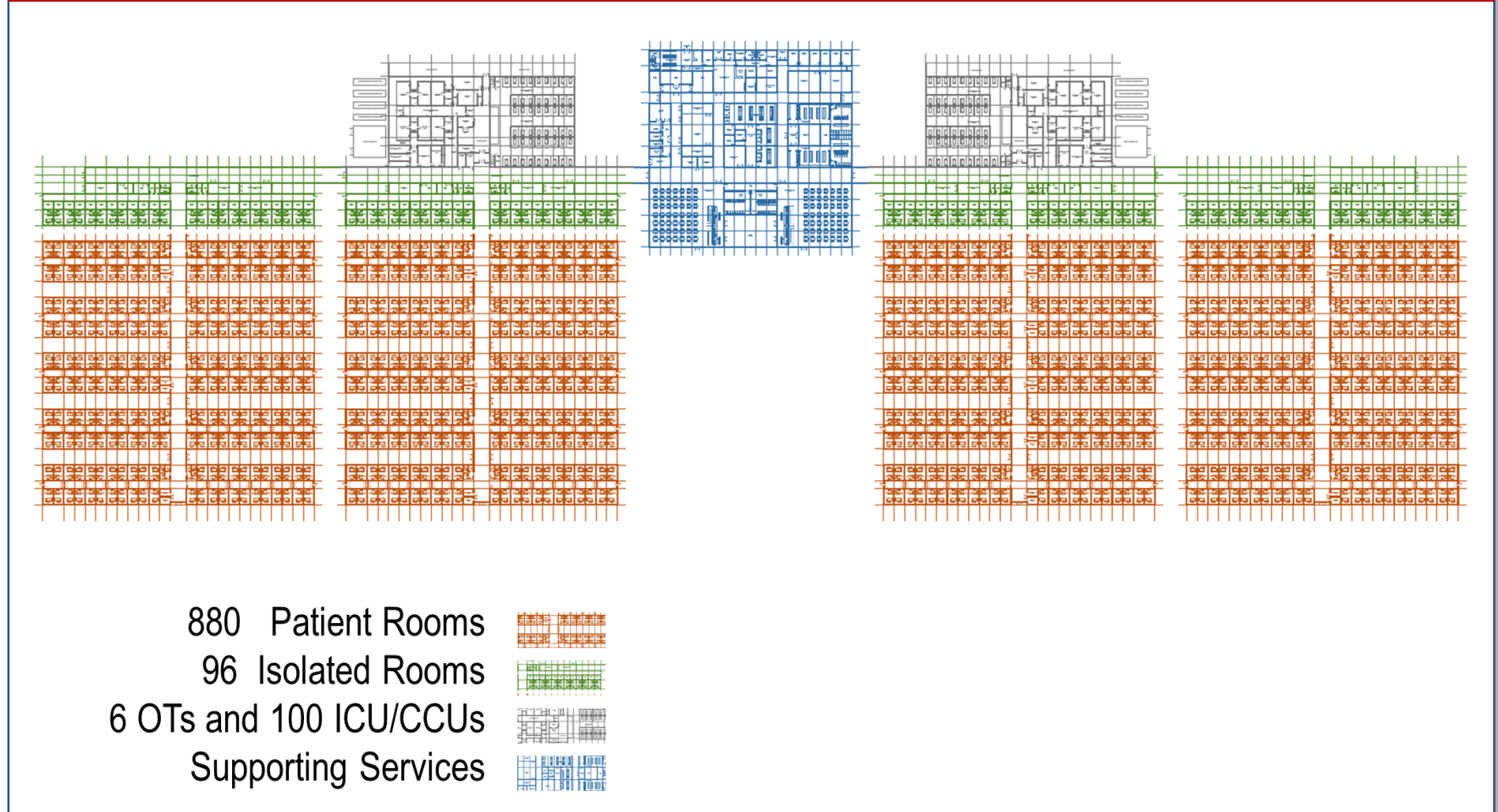


Turnkey delivery of infection treatment center

Turqa is working with Calik Holding for the turnkey delivery of general purpose and infection treatment centers. We have just signed for the delivery of a 1072 prefabricated facility for a GCC government client which will be fully fit with medical equipment and ready to be used within 90 days.

Calik Holding is an experienced builder of quality healthcare facilities within an inhouse medical design team that can tailor projects addressing immediate needs of clients.

General layout of 1072 bed project developed for Confidential Client with approx. 50,000 square meter closed area



Turnkey delivery of infection treatment center



Healthcare Construction: Calik Group's construction arm GAP İnşaat, wholly owned subsidiary of Calik Group is a specialized healthcare contractor with the design and build experience of quality healthcare facilities. Over the past 20 years, GAP Construction has built over 30 healthcare facilities around the World with more than 3,000,000 square-meters of construction area.

Scope of services include pre-project development, design & engineering, procurement, construction and installation, training and warranty.



Healthcare IT; Çalık Digital, through its joint venture with GE Digital, offers services that meet the hardware and infrastructure needs of stakeholders in the healthcare industry. It designs the network infrastructure of primary, secondary and tertiary healthcare facilities and offers end-to-end solutions in the healthcare facilities with the necessary hardware and software addressing on premise data center deployment and cyber security.

Turnkey delivery of infection treatment center

List of selected completed projects

- 300 Bed Endocrinology & General Surgery Center
- Morphology Center,
- 120 Bed Neurology Center,
- Dangerous Infections Prevention Center,
- Hygiene and Epidemiology Center,
- 120 Bed Cardiology Hospital,
- Research and Simulation Center,
- 100 Bed Maternity Hospital (Mother and Child Hospital),
- 100 Bed International Head and Neck Hospital,
- 120 Bed Ophthalmology Hospital,
- Dental Hospital,
- Infusion Solution Production Plant, 10 Million PP Bottles/year
- 200 Bed Emergency Hospital and 30 bed Emergency Hospitals in 4 Provinces
- Various Diagnostic Centers

GAP iNŞAAT



Ventilators

Keyboard Lock

Prevent accidental touching leads to parameter change and endanger patient safety, use the key to lock operation interface.

Active Exhalation Valve

Active breathing during both inspiratory and expiratory. Actively control the target pressure, prevent airway pressure high, promote patient ventilator synchrony.



Optional Features

can be accurately measured. The performance of the partial CO₂ rebreathing technique can be improved through means of arterial blood gas sampling and an algorithm that takes into account the effects of non-equilibration of CO₂ during rebreathing.



Integrated Nebulization

Air flow control part supplies air flow for ventilator nebulization function, the flow is 6-10L/min.

Friendly Interface

10.4" TFT touch screen, with a rotary knob. High-resolution display unit for long-term application in ICU.

High Quality Spare Parts

The spare parts of the world's leading brand ensure faster and more accurate O₂ & Air delivery in proportion and reduce WDS, to ensure high accuracy and stable performance.



High Resolution Graphics

Flow, Flow, Volume or Flow-V, V-Flow, simultaneous display 3 waveform & loops. Closed-loop ventilation reduces the risk of operator error and promotes early weaning.



Monitoring Interface

Optional monitoring displays all relevant respiratory parameters. Overall vital signs can be quickly and comprehensively assessed.



Multiple Alarm Systems

Well organized display layout visualizes all relevant respiratory parameters. The patient's vital signs can be assessed quickly and comprehensively.



- Color coded display for numerical, graphic, alarm and system message.
- Quick and feel no need frequent interaction from the operator.
- Patient settings automatic stored and can be restored quickly.
- Direct setting of ventilation parameters in the main interface.
- Easy and fast, these functions and one step start.
- 3 waveform and loops on one interface, quick changeover.
- System log can be recorded 100 settings/alarms.
- With the improvement of the patient, it's easy to choose multiple modes at any time.

◆ Ventilation Mode

SIMV

SIMV is a combined mode, according to the selected SIMV mode, patient receives mandatory ventilation. During mandatory respirations, the patient can breathe spontaneously under pressure support ventilation mode. Mandatory ventilation can be volume-controlled ventilation or pressure-controlled ventilation.



PRVC

PRVC is a control mode which delivers set rate and volume (VT) to patient. The flow will be delivered at pressure control mode, inspiratory pressure regulated to achieve the set volume (Tidal Volume). PRVC will verify the patient's minute volume, and protect the patient in high peak pressure.



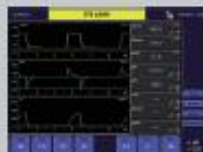
PSV

This mode is a breathing system triggered by the patient, the ventilator provides default steady pressure support for patients. When the initiative triggered by the patient, according to the preset ventilator steady pressure on the patient's respiratory to supported ventilation.



PCV

Pressure control ventilation is similar to the volume control ventilation, it is one kind of "same-parameter" forced ventilation. It can also be triggered by the patient during the expiratory phase.



◆ Features

Pneumatically driven and electronically controlled ICU ventilator
 Widely usage range: Suitable for infants and adults
 Tidal Volume setting 20-1500mL
 Sufficient modes of Ventilation: VC, PCV, SIMV-VC, SIMV-PC, SPONT/CPAP+PSV, BACKUP (VCV, PCV)

◆ Optional: PRVC, SIMV-PRVC

Friendly user interface: TFT color screen with touch screen, Knob and Hard key input
 Easy to position ergonomic trolley with two brakes
 • Easily removable and sterilizable the modular exhalation valve & flow sensor

◆ Good Integration:

- Built-in active expiratory PEEP valve;
- Built-in O₂ & Air mixture device
- Built-in synchronized nebulizer
- Built-in battery (2.9kWh)
- Optional eCO₂ monitoring module
- Long mechanics parameters and loops
- 100% O₂ suction

Ventilators

Value for owner ship

Easy Maintenance and Low Service Cost

- Friendly interface, easy to complete. Low costs of spare parts, no more storage of funds.
- Easy maintenance by cartridge type, easy replacement of service parts.
- Simple to maintenance makes an efficient daily routine. Software upgrade by USB.
- Rapid respond after sales service, save post time and reduce the risks.



High Performance Compressor

- Compact size, portable type for easy installing.
- User convenient display, enable timely effective operation and maintenance efforts.
- Available operation in connection with a maximum of 2 units of ventilator simultaneously.
- Verified low noise suitable for long term working in ICU, oil-free, overheat protection and high performance dispersion design make this compressor can be believed to go supply.
- Safety solution & start protection, temperature warning system & Auto/manual shut down.
- High-need air compressor automatically switches between the compressor pump and central gas supply.



Pneumatic Ventilator	R30
<ul style="list-style-type: none"> • Display • Reservoir inside • Graphical display • Battery • Data communication port 	<ul style="list-style-type: none"> • 10.4" TFT display, with touch screen • INEL, POL, SMH/VC, SMV & CNA/PSV, SMO/PP (Optional: PPHC, SMH/PHVC) • P.T.P.L.V.1 (Optional CO2 time) • Loop PA2 (F4) • Ni-MH battery, >90mins • R1210, VDA, USB, Remote alarm
Operating Conditions	
<ul style="list-style-type: none"> • Gas supply: Air, O₂, 230kPa-400kPa (40-67 PSI) • Power supply: 100-240V, 50/60Hz • Temperature: 18-40°C (Operation), -20-48°C (Storage) • Relative humidity: 5-95%, non-condensing (Operation) • 35-95%, non-condensing (Storage) • Atmospheric pressure (Operation & Storage): 100kPa-106kPa 	<ul style="list-style-type: none"> • Dimensions (HxWxD): Ventilator: 455mm x 400mm x 180mm; Trolley: 565mm X 533mm X 910mm • Weight: Ventilator: 13.5 kg; Trolley: 20 kg
Standards	<ul style="list-style-type: none"> • IEC 60601-1, IEC 60601-1-2, IEC 60601-1-8, IEC 60601-2-12

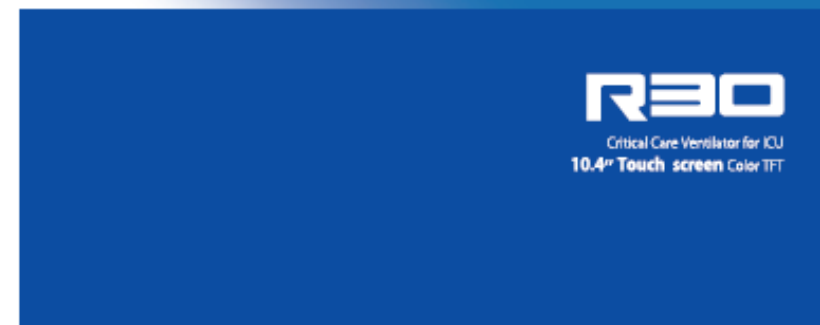
Alarm	Upper limit	Lower limit	
Tidal volume	20-3000 ml	0V, 10-2199 ml	
Minute volume	1-99 L	0-98 L	
Oxygen concentration	21-100%, OFF	20-100%	
Always pressure	1-99 cmH ₂ O	0-99 cmH ₂ O	
Respiratory frequency	1-120 bpm	0-99 bpm	
ECO ₂	0.1-15.3 kPa	0-15.2 kPa	
Circuit occlusion	(PEEP-15) cmH ₂ O, 15s		
Apnea alarm	15-60s		
O ₂ SUPPLY DOWN alarm	< 210 kPa		
Main failure alarm	Automatically switch		
Battery power low alarm	< 10 min		
Battery discharged alarm	< 5 min		
Alarm silence	at 12s		
Setting	Parameter	Monitoring	Parameter
Tidal volume (optional 20s)	10-2100 ml	Inspiratory tidal volume	0-6000 ml
Respiratory frequency	1-120 bpm	Expiratory tidal volume	0-6000 ml
Inspiratory time	0.1-12 s	Minute volume	0-99 L
Exhalation time	0-95%	Spontaneous minute volume	0-99 L
Pressure triggering	-20cmH ₂ O-PEEP 0	Spontaneous respiratory frequency	0-120 bpm
Flowrate triggering	0.5-20 L/min	PEEP	0-160 cmH ₂ O
PEEP	0-99 cmH ₂ O	Always peak pressure	0-160 cmH ₂ O
Pressure support	0-99 cmH ₂ O	Mean always pressure	0-160 cmH ₂ O
Pressure control	5-99 cmH ₂ O	Inspiratory platform pressure	0-160 cmH ₂ O
High pressure level	5-99 cmH ₂ O	Minimum always pressure	-10-100 cmH ₂ O
Low pressure level	0-99 cmH ₂ O	Inhaled oxygen concentration	10%-100 %
Oxygen concentration	21-100%	Always resistance	0-600 cmH ₂ O/L/S
100% O ₂	2min	R50	0 - 3999 bpm/L
Thigh (optional)	0.1-30s	ECO ₂ (Optional)	0 - 100 mmHg
Freeze	Yes		



Critical Care Ventilator





International certificates →







Emergency medical supplies

No.	Category	Product	Image	Features	EXW Price (USD)	Standard Reference	RF
1		disposable mask		- 3 ply non-woven mask (EN14683) - Personal protective - Unsterilized	0.51/pc (50 pc / box)	CE (EN-14683 IIR)	V
2		surgical mask		- Surgical mask (EN14683 IIR) - Medical use - Unsterilized	0.70/pc (50 pc / box)	CE (E-14683 IIR)	V
3		surgical mask		- Surgical mask (EN 14683) IIR - Medical use - Unsterilized	0.41/pc (50 pc / box)	CE / FDA (EN-14683) FDA registration #: 2006US2855 58	V
4		N95 mask		- non woven, needle punch cotton - Non woven fabric+Melt Blown Filter+Non woven fabric - Color: white, grey	4.50 / pc (40 pc / box) 400 pc / carton)	NIOSH N95/NIOSH approval TC-84A-5530	J





No.	Category	Product	Image	Features	EXW Price (USD)	Standard Reference	RF
5	Masks	N95 mask		- N95/FFP2 for personal protection	4.20/pc (50 pc / box)	ISO / CE (EN-149 FFP2)	V
6		medical N95 mask		- N95/FFP2 for medical use	4.20/pc (50 pc / box)	ISO / CE (EN-14683:2019)	V
7		CN-3 Ply Disposable Mask		- 3 ply personal mask	3.90 / pc (40 per box)	ISO / QS	V




Emergency medical supplies

No.	Category	Product	Image	Features	EXW Price	Standard	RF
					(USD)	Reference	
8		KN95 GB2626-2006 Face Mask		<ul style="list-style-type: none"> - Protects against 95% of particulate matter - elastic ear-loop and adaptable nose bar - soft and comfortable to wear - 3-layer designed, providing excellent protection against droplets 	4.2	ISO/QS	
9	Face Shield	face shield		<ul style="list-style-type: none"> - Size: 320mm*220mm - Thickness: 0.18mm - Resistance to fogging - - Protection against drops and splashes - Impact resistance 	2.10/pc (24 pc / box)	CE(EN-166) FDA	V
10		Surgery Latex Gloves		<ul style="list-style-type: none"> - Latex - Color: Blue, white - 1 ply 	0.70/pc (100 pairs / box)	CE	J




No.	Category	Product	Image	Features	EXW Price	Standard	RF
					(USD)	Reference	
11	Gloves	Powder-free Nitrile Examination Gloves		<ul style="list-style-type: none"> - Powder free - Non-sterile - Sizes: XS, S, M, L, XL 	\$0.45 / pc \$366.50/crtm (50 pairs / 100 individual gloves per box 10 boxes per carton)	EN 455-1: 2000 EN 455-2: 2015 EN 455-3: 2015	
12	Shoes	Protective shoes		<ul style="list-style-type: none"> - Clear room medical - Material: pp/sms/pp-pe - Size: 17x40cm - Color: blue 	0.30/pc (100 pc / bag, 2,000 pc / ctn)	CE / ISO 13485	J
13		Protective coverall		<ul style="list-style-type: none"> - Unsterilized - Size: 175cm XL 	25/pc	ISO13485, CE	J

Emergency medical supplies

No.	Category	Product	Image	Features	EXW Price	Standard Reference	RF
					(USD)		
14	Protective Gown	Protective Coverall		<ul style="list-style-type: none"> - Non-woven material - Color: white, blue yellow - Size: S-XXXL - 1 ply 	11.20/pc (50 pc / box)	CE/FDA/ISO	V
15		Isolation gown		<ul style="list-style-type: none"> - Unsterilized - Single Use - Color: blue, yellow - Size: one size fits all 	4.76/pc	ISO13485, CE	J
16	goggle			<ul style="list-style-type: none"> - Panoramic lens can be perfectly worn over prescription glasses - Protection against drops and splashes - Anti-fogging 	6.54/pc	CE(EN-166) FDA	V
17				<ul style="list-style-type: none"> - Essential frame ideal for each type of fit - Adjustable elastic fabric headband - Polycarbonate lens - Indirect ventilation system - OTG 	6.54/pc	CE	V

No.	Category	Product	Image	Features	EXW Price	Standard Reference	RF
					(USD)		
18	Goggle	goggle		<ul style="list-style-type: none"> - Anti-splash, anti-fog - PC lens - Color: blue, red, yellow - Clear lens 	0.98/pc (20 pc / box, 480 pc / ctn)	CE / ISO	J
19		goggle		<ul style="list-style-type: none"> - Panoramic lens can be perfectly work over prescription glasses - Exclusive UDC coating - Facial support compatible with half masks - Additional facial protection - Indirect ventilation system assures certified protection against drops and splashes - Impact-resistance at 432 km/h, even at extreme temperatures 	24.20/pc	CE	V
20		Touchless Digital Thermomter		<ul style="list-style-type: none"> - Medical grade digital readings - Touchless temperature readings from 2-3" away - Screen color changes related to temperature - Last 32 readings automatically stored in memory - Backlit LCD screen, easy to read in dark - Fahrenheit or Celsius settings - Small and convenient to use - Auto off to save battery 	37/pc		J

Emergency medical supplies

No.	Category	Product	Image	Features	EXW Price	Standard	RF
					(USD)	Reference	
21	Digital Thermometers	Touchless Digital Thermometer		<ul style="list-style-type: none"> - Medical grade digital thermometer - Accurate body temperature readings regardless of room temperature - Touchless temperature readings from 2-3" away - Backlit LCD screen, easy to read in dark - F or C temperature settings - Auto off to save battery 	36/pc		V
22		Touchless Digital Thermometer		<ul style="list-style-type: none"> - Backlight LCD digital display. - Built-in laser pointer, precise non-contact infrared measurement. - Fahrenheit or Celsius - Can switch between body and object mode - Works from 2-3" - Auto off to save battery - Buzzer / alarm feature 	\$35 / pc	CE	V
23		Touchless Digital Thermometer		<ul style="list-style-type: none"> - Backlight LCD digital display. - Built-in laser pointer, precise non-contact infrared measurement. - Fahrenheit or Celsius - Can switch between body and object mode - Works from 2-3" - Auto off to save battery - Buzzer / alarm feature 	\$35 / pc		

No.	Category	Product	Image	Features	EXW Price	Standard	RF
					(USD)	Reference	
24	Hand Sanitizer	Alcohol Based Hand Sanitizer		<ul style="list-style-type: none"> - kills 99.99% of germs - Scent: Lemon Vanilla Basil Saffron Lavender - Bio-based ethanol base - 100 and 500 mL bottles available 	100mL, \$1.05 500mL, \$2.34		J
25		Alcohol Based Hand Sanitizer		<ul style="list-style-type: none"> - Alcohol base - Kills 99.99% of germs - Squeeze pump feature - Sizes: 100mL, 500mL 	100mL, \$1.05 500mL, \$2.34		

Emergency medical supplies

医用护理病床系列
MEDICAL NURSING BED SERIES



MD-5 手摇式三折病床
规格(mm): 2170 × 900 × 500/700
- ABS床头、床尾板, 收放一次成型, 坚固美观, 开关设在外侧
- 铝合金全覆式六档立柱护栏, 保护患者使用安全
- Ø 130中央控制刹车脚踏, 铝合金材质, 反轮设计, 刹车稳定
- 不锈钢脚踏式手摇柄, 空间有限保护, 保护患者使用安全
- 配置不锈钢脚踏式升降脚踏架

Three- crank hospital bed MD-5
Specification(mm): 2170 × 900 × 500/700
- ABS headboard and footboard, blow molding for entire piece, the switch located on the outside, solid and beauty
- Full covered type die cast aluminum six-gear column guardrail for patients safe protection
- Ø 130 central control brake casters, aluminum structure, double shank wheel for stable braking
- Stainless steel hidden hand crank, two-way limit protection for safety using purpose
- With two sections extendable type stainless steel infusion stand

MD-9 手摇式三折病床
规格(mm): 2170 × 900 × 500/700
- ABS床头、床尾板, 收放一次成型, 坚固美观, 开关设在外侧
- 铝合金全覆式六档立柱护栏, 保护患者使用安全
- Ø 125中央控制刹车脚踏, 刹车稳定
- 不锈钢脚踏式手摇柄, 空间有限保护, 保护患者使用安全
- 配置不锈钢脚踏式升降脚踏架

Three- crank hospital bed MD-9
Specification(mm): 2170 × 900 × 500/700
- ABS headboard and footboard, blow molding for entire piece, the switch located on the outside, solid and beauty
- Full covered type die cast aluminum six-gear column guardrail for patients safe protection
- Ø 125 multi brake casters at 4 corners, stable braking
- Stainless steel hidden hand crank, two-way limit protection for safety using purpose
- With two sections extendable type stainless steel infusion stand



A 铝合金护栏开关, 防撞成型, 空间有限

Die-cast aluminum alloy guardrail switch



B 冷轧钢板一次冲压成型环境

Aluminum-plate, punched and-molded headboard



C Ø 130中央控制刹车脚踏

Ø 130 central control braking double casters



D Ø 125多脚刹车脚踏

Ø 125 single brake casters with double casters



E 全不锈钢手摇柄

Stainless steel hand crank handle



F 床头的防撞护角

Bumper protection at 4 corners of footboard

MC-34 手摇式二折病床
规格(mm): 2170 × 900 × 500
- ABS床头、床尾板, 收放一次成型, 坚固美观, 开关设在外侧
- 铝合金全覆式六档立柱护栏, 保护患者使用安全
- Ø 125中央控制刹车脚踏, 刹车稳定
- 不锈钢脚踏式手摇柄, 空间有限保护, 保护患者使用安全
- 配置不锈钢脚踏式升降脚踏架

Two- crank hospital bed MC-34
Specification(mm): 2170 × 900 × 500
- ABS headboard and footboard, blow molding for entire piece, the switch located on the outside, solid and beauty
- Full covered type die cast aluminum six-gear column guardrail for patients safe protection
- Ø 125 multi brake casters at 4 corners, stable braking
- Stainless steel hidden hand crank, two-way limit protection for safety using purpose
- With two sections extendable type stainless steel infusion stand



MC-3 手摇式二折病床
规格(mm): 2170 × 900 × 500
- ABS床头、床尾板, 收放一次成型, 坚固美观, 开关设在外侧
- 铝合金全覆式六档立柱护栏, 保护患者使用安全
- Ø 130中央控制刹车脚踏, 铝合金材质, 反轮设计, 刹车稳定
- 不锈钢脚踏式手摇柄, 空间有限保护, 保护患者使用安全
- 配置不锈钢脚踏式升降脚踏架

Two- crank hospital bed MC-3
Specification(mm): 2170 × 900 × 500
- ABS headboard and footboard, blow molding for entire piece, the switch located on the outside, solid and beauty
- Full covered type die cast aluminum six-gear column guardrail for patients safe protection
- Ø 130 central control brake casters, aluminum structure, double shank wheel for stable braking
- Stainless steel hidden hand crank, two-way limit protection for safety using purpose
- With two sections extendable type stainless steel infusion stand




Workplace decontamination

COVID 19 is spread through human contact and from contact with contaminated surfaces. TURQA offers a solution that decontaminates and prevents the spread of viruses in the workplace using the latest equipment.

The method is called **ULV** fogging or misting which kills the virus in situ. This procedure can cover a large space very quickly and, due to the specific size of the molecules (15 microns), the mist settles everywhere including hard-to-reach areas. These molecules have been proven to access areas which larger molecules cannot reach, thus creating greater coverage. We also use **Electrostatic Application** alongside the ULV system, which disperses a targeted fog at specific areas. It creates a positive charge that enables the spray to 'wrap around' the target and bind to it. This provides added protection for items that are touched regularly such as chairs, keyboards, door handles, toilets, gym equipment etc.

The products we use kill COVID-19; Norovirus (winter vomiting bug); food poisoning organisms such as *E.coli* and antibiotic-resistant bacteria MRSA in a wide variety of premises. Using ULV and Electrostatic spraying, in conjunction with your normal cleaning programme, will ensure that all departments are fully cleansed and disinfected. Recent advice is that the coronavirus would last from 2 hours up to 9 days on surfaces. The disinfectant we use has efficacy against enveloped viruses (Coronavirus is an enveloped virus) such as COVID-19 and SARS.

TURQA's long-standing pest control partner (since 2015) is licensed and equipped for Coronavirus decontamination and prevention cleaning, including infection control, using the tested PX ULV disinfectant technology.

We service our clients by early deployment of a senior consultant from the UK to sell the services and map the operational delivery plan. Then we will deploy trained operators to maintain the necessary levels of decontamination— an initial ULV and electrostatic 'clean' carried by trained technicians, followed by enduring delivery through systemized delivery systems. ULV machines can be installed, maintained and serviced on a lease plan to provide the enduring effect. This enduring delivery would be backed up by adding electrostatic hand-held machines operated by trained staff as part of the cleaning regimes. Training could be provided by TURQA for existing cleaning teams..



Contact

Contact us today for commercial terms and availability of service in your region

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