



## Make Infusion Smarter And Safer

**MEDCAPTAIN**

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**MEDCAPTAIN**



**Touch** the future with infusion revolution



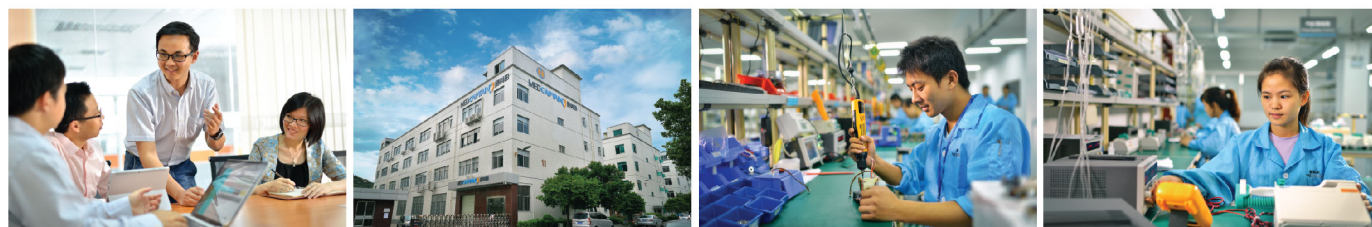
## Company Profile



At Medcaptain, we stick to medical ideology and persistence in integrity. Looking inside the medical world and promising to clients, that we will keep endless enthusiasm towards quality, technology and service, at utmost we pursue innovation.

All we do is to make medical world more efficient and wonderful.

We are an integrated perioperative solution provider, focused on Infusion Management, In-Vitro Diagnostics and Rehabilitation Care. Medcaptain's Infusion Management provides intelligent infusion integration solutions and brings revolutionary infusion products to medical institutions.



Deeply understanding customers' needs, we persist in providing innovative technologies and products. Such pioneering features as touch screen, multiple infusion modes, and flexible combinations with plug-in model, deliver our commitment to the medical community.



Our infusion products and solutions have led to innovation in the infusion field, gaining users' favor and trust in key departments of China's top level university teaching hospitals and medical institutions in more than 30 countries.

# Simple and easy to use



### Touch operation, easy and convenient.

Innovative touch operation, quick response to various settings, reversed the complicated operation process and brings a different user experience.

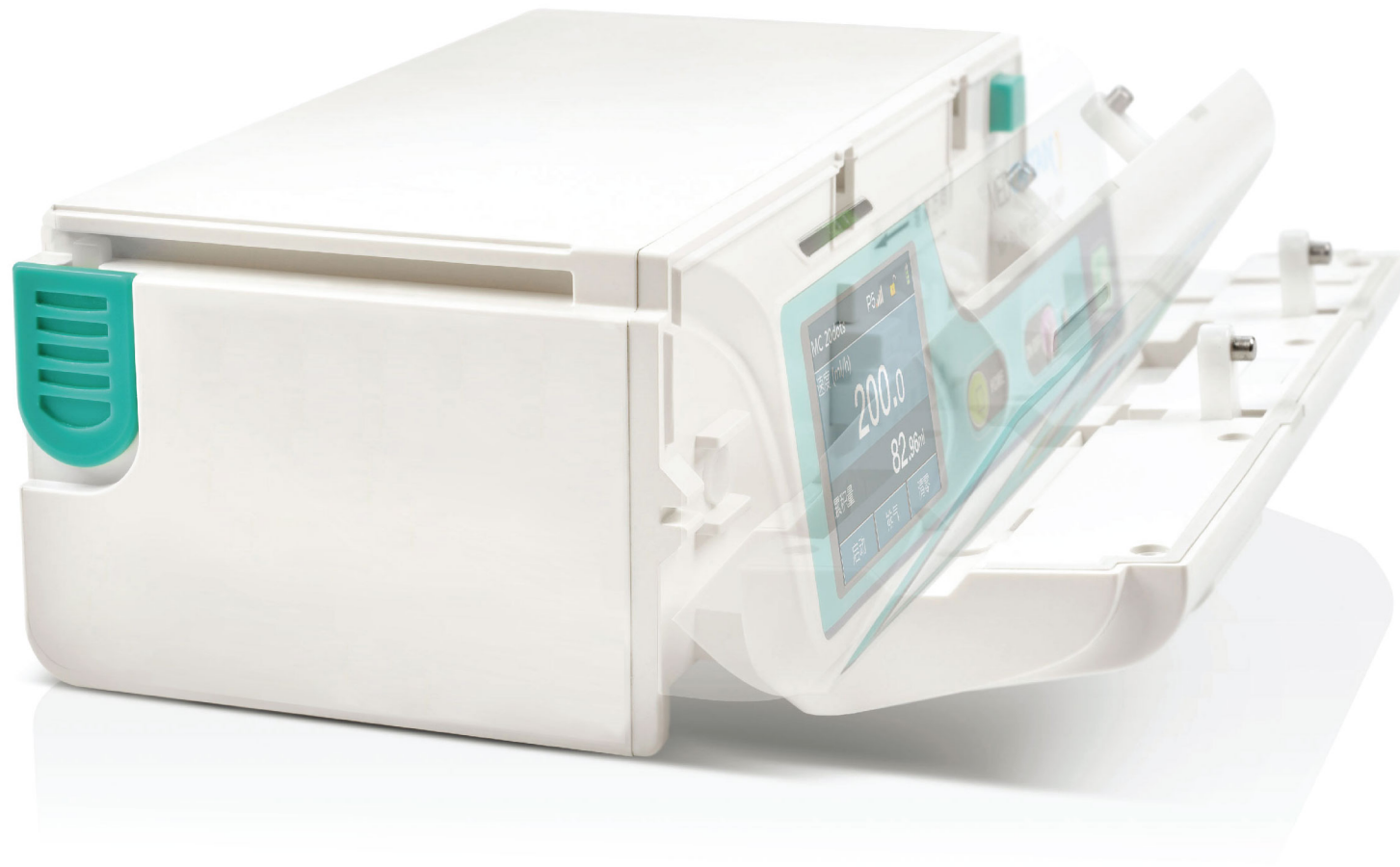
### Flexible and lightweight

Compact and light body design, flexible and versatile, allowing for free conversion to different clinical circumstances. Pumps can be freely assembled through the guide rail, without any other tools.

### Ultra-long standby time

High capacity lithium battery provides reliable support for transport and other emergencies.

# Small size, profound capabilities



## Automatic pump door

Press lightly and the door opens. Patently designed automatic door guarantees infusion safety under complete closed pump door.

## Multiple Infusion Modes

Satisfy needs with several Clinical departments and different drug infusion cases. More efficient and intelligent.

## Micro Mode

Applications include the use of different syringes for multiple patients that allow different specifications, providing double effectiveness to infusion.

## Intelligent Bolus

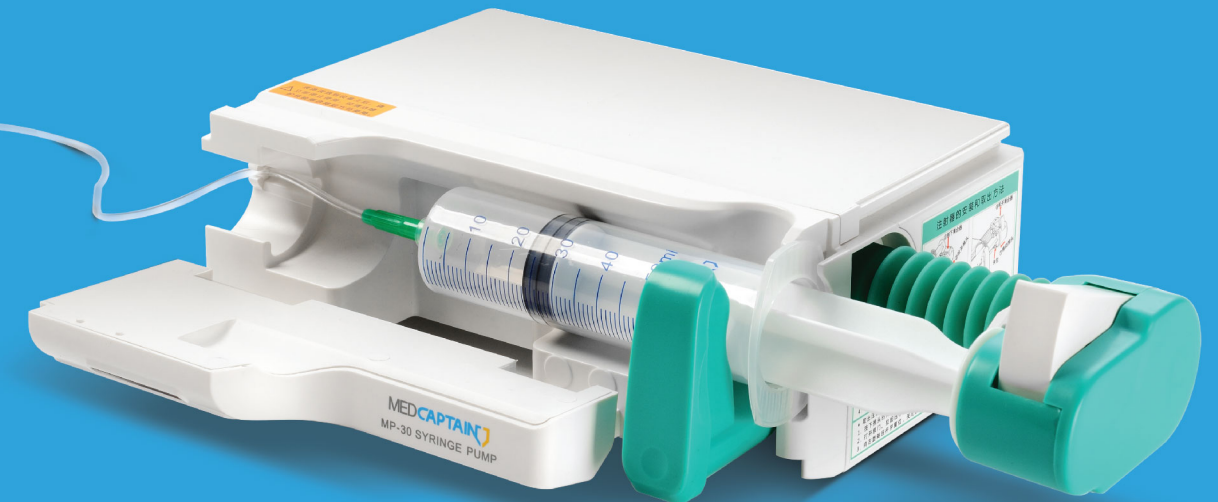
Three modes in which respond to any type of medical emergency.

## Information network

Internal WIFI module, connect to iCIS through hospital LAN, for centralized monitoring of infusion. Or connect to department CIS and HIS system to integrate clinical information data.

## Customized calibration

Open consumable, customize and calibrate the consumable brands. Auto-recognize consumable specification, making infusion safe and precise.



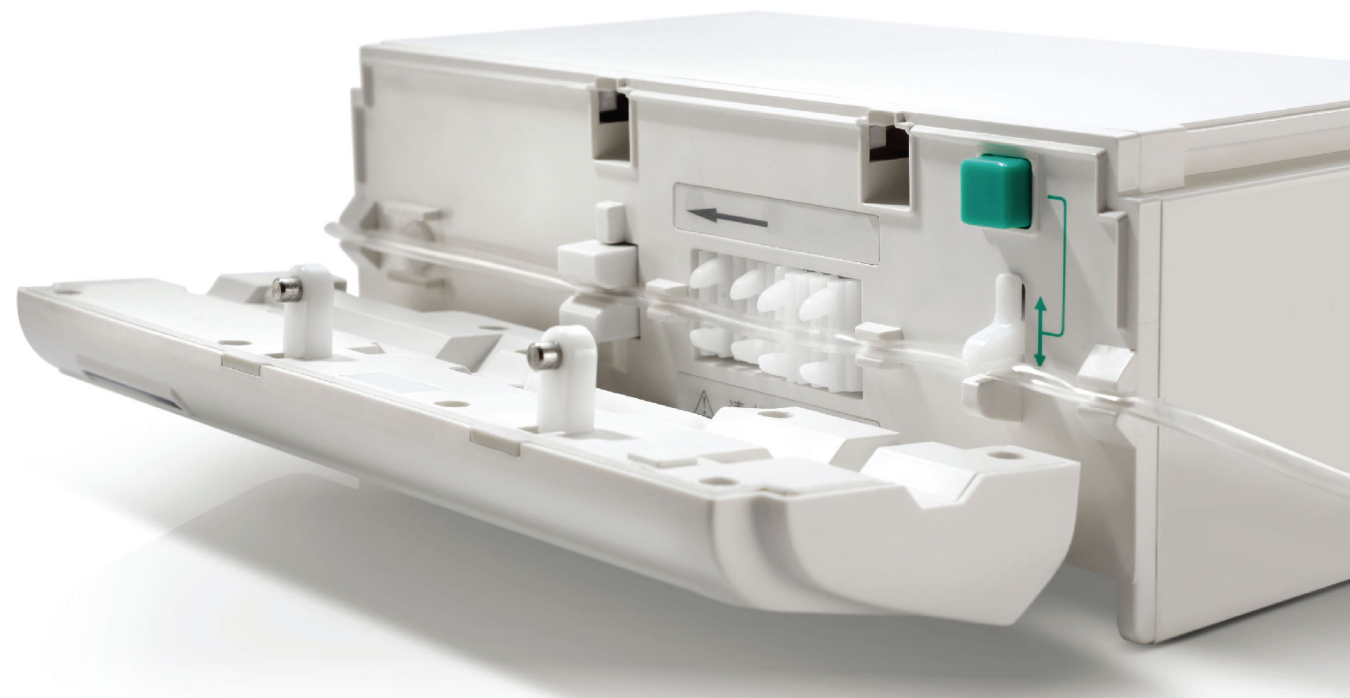
## Customized drug library

It may store information of more than 1000 drugs providing a customized drug database for clinics and thus making infusion convenient and safe.

# Every innovation targets safer infusion

## Automatic anti free-flow system

Press lightly, the anti free-flow clamp will open or close. When pump door opens, the free-flow clamp closes automatically, avoiding risks from liquid spills.



## Occlusion alarm and Anti-Bolus

11 occlusion levels setting are available for clinical use of various drugs. When the infusion tube occludes, there is automatic decompression, to avoid liquid spills, drug pollution and waste caused by pressure change. Also reducing the risk from over-dose infusion.

## Double CPU design, two-way independent sound-light alarm

Independent double CPU control guarantees real-control and data reliability, creating strict management of the risk process and a complete alarm system to reassure the clinics.

## Emergency alarm system

Internal super-capacitor, providing a 3 minute alarm in the case of a sudden power exhaust, to guarantee safety.

## Total squeezing peristaltic system pump

Adopt the most mature total flexible peristaltic technology in the industry, making infusion more safe and precise.

## Infusion Consumables

### Syringes



### Syringe extension tube



### IV-sets





# Not just simply stackable MP-80 Infusion workstation

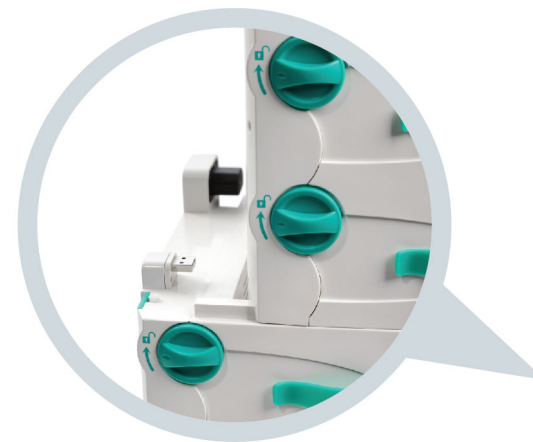


## Intelligent relay infusion mode

Auto-continuous infusion; reduced risks from interrupted infusing, satisfying the requirement of non-stop infusion for high-alert medications.

## Plug-in and modular design

From 2 to 15 channel infusion workstation for clinical needs can be combined optionally, satisfying requirements of several drugs infusions at the same time for critical patients. Or in some cases, the surplus pump can be removed and used in another bed to improve capacity utilization.





### Plug & Play design

Without any tool, remove or plug single pump within 3 seconds, easily initiate continuous infusion while transporting patients.

### Information network

Internal WIFI module, connect to iCIS directly, for centralized monitoring of infusion. Or connect to CIS or HIS system to integrate clinical information data.

### One click sync for system parameters

Parameters such as volume, date, time and screen brightness, just set them on a pump, and the other pumps in the workstation can be synced automatically.

### Space management

Only with one power cord and power is supplied to all the pumps within the workstation. An infusion tube managing clamp is capable of holding all of infusion tubes and extended tubes, making a tidy working station and saving space, resources, avoiding safety risks.



### Synchronous alarm

When a single pump alarms, the SCU on the top of workstation alarms at the same time with a loud signal, that reminds doctors or nurses of handling the problem in time.

### Intelligent Bi-power supply system

Delicate internal circuit design, allowing for quick responses to sudden power outages.

# Visible informatization management



## Infusion information central monitoring

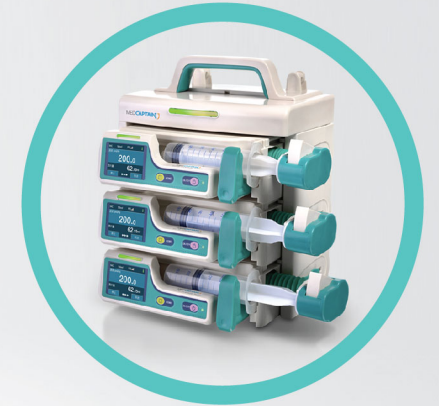
The real-infusion information of single pump and workstation can be remotely monitored by iCIS system through WIFI. From your bedside, nurse station, office, corridor .....anywhere, you can know every patient's infusion status. Maximum 250 infusion beds'with alarms, remaining infusion time, drug name and infusion rate all visible on the interface.

MP-30 Syringe Pump



MP-60 Infusion Pump

MP-80 Infusion Workstation



## Data statistics and analysis

Multiple internal statistic modes, real-time information including device use, drug infusion volume, patient quantity and drug flow rate. It is a convenience for the billing and accounting departments to generate the balance of payment and resources. To have a broader, deeper and direct understanding, this provides statistical data and support for clinical surveys and research.

## Drug and consumable library

Easily edit and generate more than 1000 drug entries including information, frequently-used consumables in department, and quickly download them to the pump, simplifying clinical personnel job.

## Information integration

It connects the CIS and HIS systems to consolidate the data integration of clinical information.



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 Zentralstelle der Länder  
 für Gesundheitsschutz  
 bei Arzneimitteln und  
 Medizinprodukten  
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 ZLG-BS-244.10.08



Product Service

# EC Certificate

Full Quality Assurance System  
 Directive 93/42/EEC on Medical Devices (MDD), Annex II excluding (4)  
 (Devices in Class IIa, IIb or III)

**No. G1 086916 0023 Rev. 00**

**Manufacturer:**

**MEDCAPTAIN MEDICAL  
 TECHNOLOGY CO., LTD.**  
 12th Floor, Baiwang Research Building  
 No.5158 Shahe West Road  
 Xili, Nanshan  
 518055 Shenzhen, Guangdong  
 PEOPLE'S REPUBLIC OF CHINA

**Product Category(ies):** Syringe Pump, Infusion Pump, Infusion Workstation,  
 Sterile Syringes for Single Use, Sterile Infusion Sets for  
 Single Use, DVT Preventive Pump, Enteral Feeding  
 Pump

The Certification Body of TÜV SÜD Product Service GmbH declares that the aforementioned manufacturer has implemented a quality assurance system for design, manufacture and final inspection of the respective devices / device categories in accordance with MDD Annex II. This quality assurance system conforms to the requirements of this Directive and is subject to periodical surveillance. For marketing of class III devices an additional Annex II (4) certificate is mandatory. See also notes overleaf.

**Report No.:** GZ1911701

**Valid from:** 2019-08-21

**Valid until:** 2024-05-26

**Date,** 2019-08-21

Stefan Preiß  
 Head of Certification/Notified Body



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Full Quality Assurance System

Directive 93/42/EEC on Medical Devices (MDD), Annex II excluding (4)  
(Devices in Class IIa, IIb or III)

**No. G1 086916 0023 Rev. 00**

## Facility(ies):

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Product Service

# Certificate

No. Q5 086916 0024 Rev. 02

**Holder of Certificate:** **MEDCAPTAIN MEDICAL TECHNOLOGY CO., LTD.**  
12th Floor, Baiwang Research Building  
No.5158 Shahe West Road  
Xili, Nanshan  
518055 Shenzhen, Guangdong  
PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:**



**Scope of Certificate:** **Design and Development, Production and Distribution of Syringe Pumps, Infusion Pumps, Infusion Workstations, Infusion Central Monitoring Systems, Sterile Syringe for Single Use, Sterile Infusion Sets for Single Use, DVT Preventive Pumps, Infusion Docking Stations, Thromboelastograph Instruments and Reagents, Vein Illuminators, Enteral Feeding Pumps, Video Laryngoscopes, Chemiluminescence Immunoassay Analyzers and Reagents and Hemostasis Reagents.**

The Certification Body of TÜV SÜD Product Service GmbH certifies that the company mentioned above has established and is maintaining a quality management system, which meets the requirements of the listed standard(s). See also notes overleaf.

**Report No.:** GZ2011701

**Valid from:** 2020-04-03

**Valid until:** 2023-02-16

**Date,** 2020-04-03

Christoph Dicks  
Head of Certification/Notified Body

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# Certificate

No. Q5 086916 0024 Rev. 02

**Applied Standard(s):** EN ISO 13485:2016  
Medical devices - Quality management systems -  
Requirements for regulatory purposes  
(ISO 13485:2016)  
DIN EN ISO 13485:2016

**Facility(ies):** MEDCAPTAIN MEDICAL TECHNOLOGY CO., LTD.  
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