

DTS-580

All-in One Pet Dental & Surgical Workstation



TOTOO MEDITECH CO., LTD.

The Booming of Pet Dental Market



01. Upgraded Demands: Pets Become "Family Members"

More and more pet owners are treating their pets as family members, and medical consumption has shifted from "passive treatment" to "proactive health management."



02. Consumption upgrade and increased willingness to pay

Pet owners are willing to pay a higher premium for professional, efficient, and safe medical services.



03. Structural Upgrading & Explosive Demand for Specialized Education

The proportion of pets owned by middle-aged and elderly people exceeds 30%, leading to a rapid increase in demand for specialized medical treatments such as dentistry and ophthalmology.



The core pain points of dental clinic operation



01 / Space



02 / Efficiency



03 / Cost



04/ Profession



05/ Safety



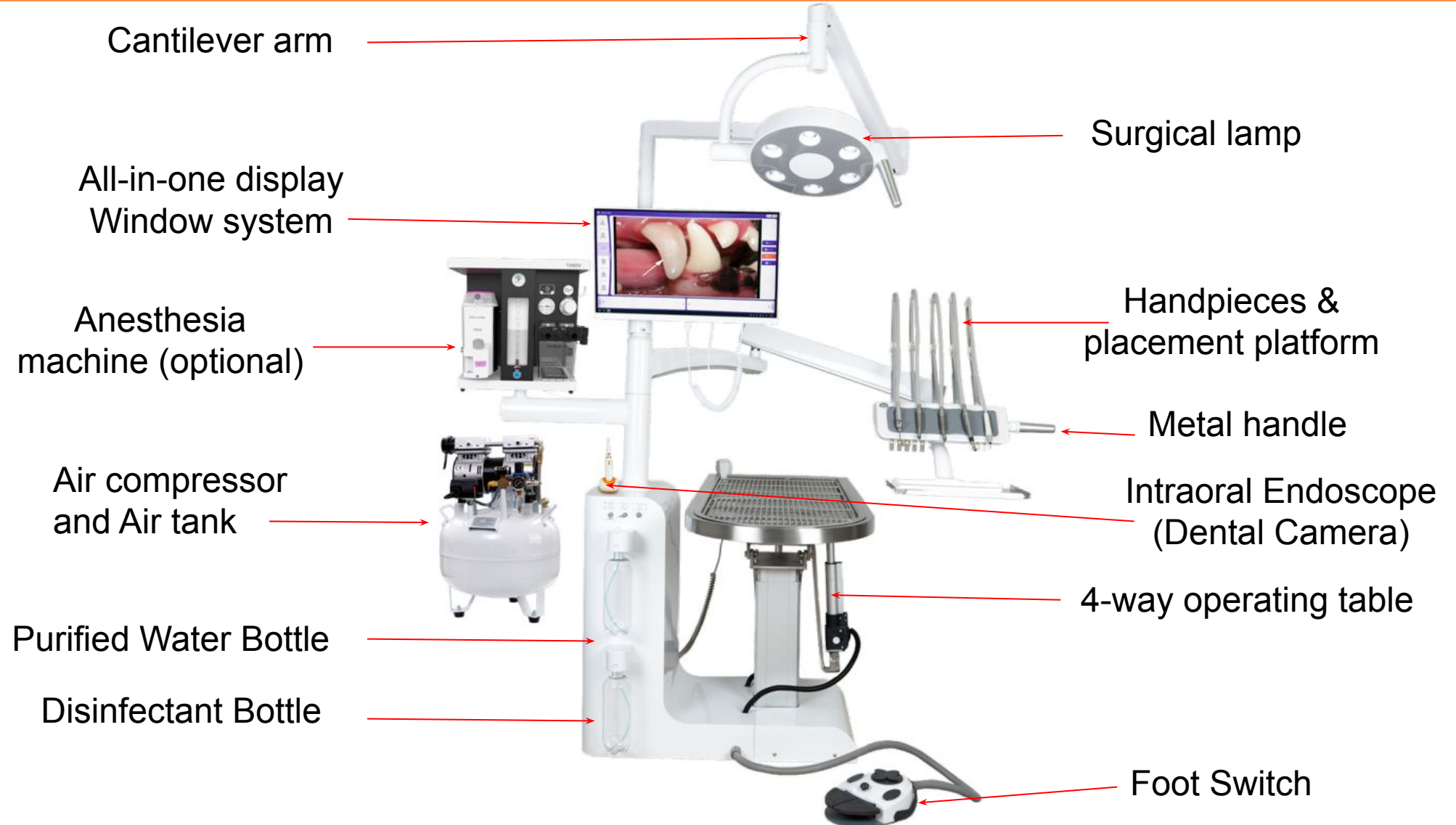
Key Feature



- ❑ 4-way electrically adjustable multi-angle operating table
- ❑ Medical-grade LED ring-shaped cold light surgical lamp
- ❑ 23.8" cantilevered HD all-in-one touch screen
- ❑ Dual independent water supply systems (disinfectant + clean water)
- ❑ Stretchable handpiece platform
- ❑ 5MP wireless HD Intraoral endoscope(dental camera)
- ❑ 32L independent air tank and oilless air compressor
- ❑ Integrated pet anesthesia machine
- ❑ Pet-specific dental X-ray system (optional)



DTS-580 Structure



DTS-580--4-way Electric Lift Operating Table



Precisely adjustable height, tilt, and elevation to meet the needs of pets of different sizes and different surgical positions.

Premium Stainless Steel:

Durable, easy-to-clean design with a removable grid and deep drainage for a clean, dry work area.

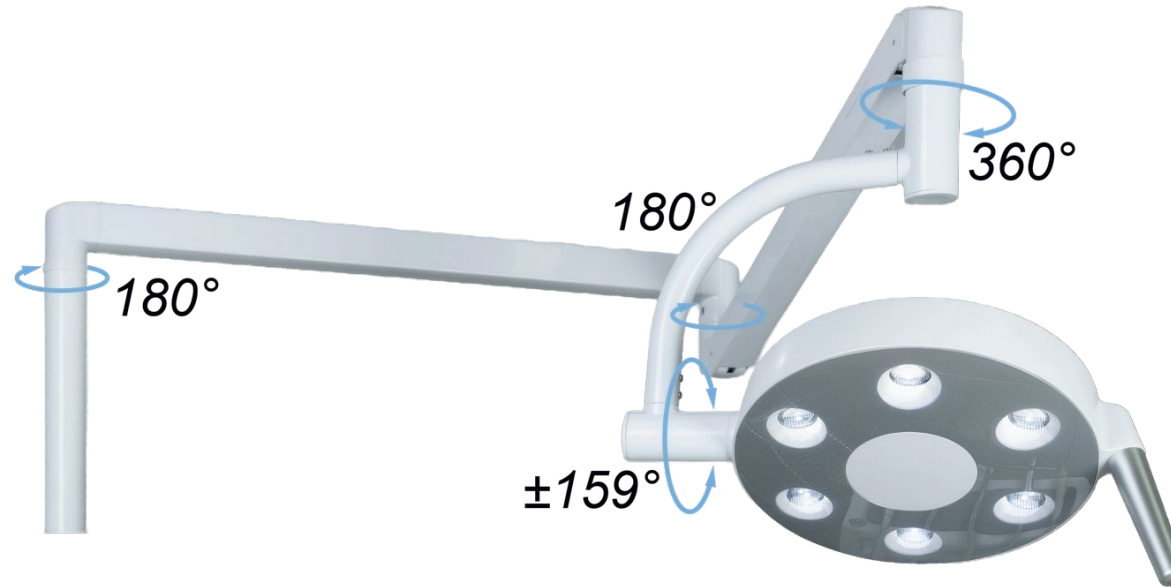
Flexible Positioning:

Remote-controlled height (up/down) and tilt (left/right) for optimal ergonomics and patient comfort.

Table Size: L120*W50*H78-108CM



DTS-580--Multi-axis Articulating Arm



360°Rotation:

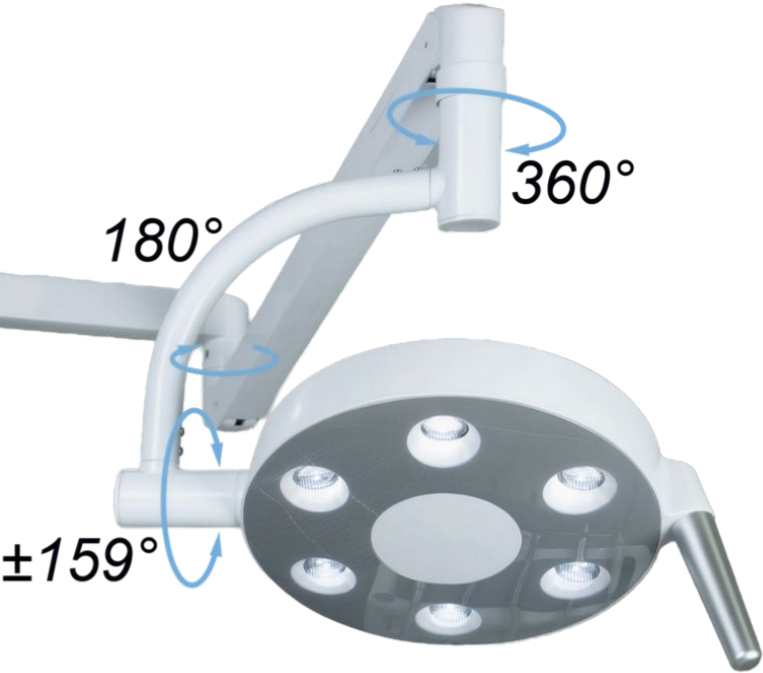
Smooth,effortless multi-xis movement for perfect positining.

Dual-Joint Flexibility:

180° horizontal swing and articulation for max spatial coverage.



DTS-580-- Surgical LED Lamp



Shadowless, flicker-free, with brightness that can be flexibly adjusted according to surgical needs.

The cool light design avoids localized overheating and reduces heat stimulation for pets.

Optical & Performance	Electrical & Physical
• Light Source: 6 White LEDs • Illuminance: 10,000 – 30,000+ Lux • Color Temp: 5000K ±10% • Color Rendering: Ra ≥90	• Weight: 2.50 kg • Power Input: AC 24V • Power Consumption: <25 • Operation Mode: Continuous

6 High-Efficiency LEDs
(5000K, Ra ≥ 90)

Adjustable Illuminance
(10,000 – 30,000+ Lux)

Smart Control:
Non-touch sensor for hygienic operation

Ultra-lightweight:
2.50 kg



DTS-580-- All-in-one Touch Screen



- 23.8" Touch Screen
- Windows 10 system
- Clear and detailed visualization
- Image & patient data management

Efficient Diagnosis: Instant image presentation eliminates the need to visit the imaging room, significantly reducing diagnostic and treatment time.

Client Communication: Intuitive images facilitate clear explanations of the condition to pet owners, significantly improving communication efficiency and building trust.



DTS-580--Water Supply System



Dual Water Options: Quick toggle between purified water (upper) and disinfectant (lower).

Smart Pressure Control: Easy pressurization and decompression for safe, fast bottle changes.

Flexible Supply Modes: Seamless switching between internal bottles and external tap water

Physical isolation completely eliminates the risk of cross-infection from water sources. No need for tedious manual water changes, a single click intelligently switches water sources, making medical staff's procedures easier.



DTS-580--Handpiece Platform & Instruments Tray



2 high-speed handpieces, 1 low-speed handpiece, 1 three-way syringe, and 1 ultrasonic scaler cover the entire process from teeth cleaning and treatment to complex restorations.

Full Capability:

Supports High/Low speed, Scaler, and 3-Way Syringe.

Independent Control:

Individual rotary valves for water and air pressure tuning.

Dual-Layer Workspace:

Main handpiece platform + stainless steel instruments tray.





High-speed Handpiece for cutting, spraying, with LED



Low-speed Handpiece for polishing, has an internal water channel for watering



Three-way Syringe for spraying water, air and mist



Ultrasonic scaler for teeth cleaning, with LED

Detachable working burs and tips, easy to replace new.





Wireless operation is more convenient

It provides **5-megapixel** HD imaging, which can penetrate deep into the oral cavity to visually detect minute lesions and tartar residue that are difficult to detect with the naked eye.

It allows pet owners to "see" the problem directly, effectively reducing communication costs and increasing acceptance of treatment plans.

DTS-580--Air Compressor and Air Tank



With a large 32L capacity, it provides a stable supply of high-pressure gas for various working handpieces.

Stable Supply to Pressured Air

Power/Current: 550W/2.4A

Air Flow: 70L/min

Exhaust Pressure: 0.8 Mpa

Volume: 32L

Starting Pressure: 0.5 Mpa

Noise: 55dB



DTS-580--Multi-functional Foot Pedal



Allows hands-free operation to control handpiece speeds and water activation effortlessly.

1: For water to control the water output of each handpiece

2: For air driving to control the rotating of each handpiece

1+2: to control the mist output

3: to control the air output of each handpiece, eg, output air blows away debris from the treatment area.

Other pedals functions are under development.



DTS-580--Integrated Platform for Anesthesia Machine



Space-Saving Design: Side-mounted on the column to free up floor space.

Ergonomic Placement: Keeps vital controls perfectly within the vet's line of sight

It can be customized to fit various devices, such as monitors.



For dental cleanings, extractions, and surgeries requiring anesthesia, an anesthesia machine and a ventilator is an essential lifeline, providing precise anesthesia control and continuous respiratory monitoring to ensure stable vital signs in animals.



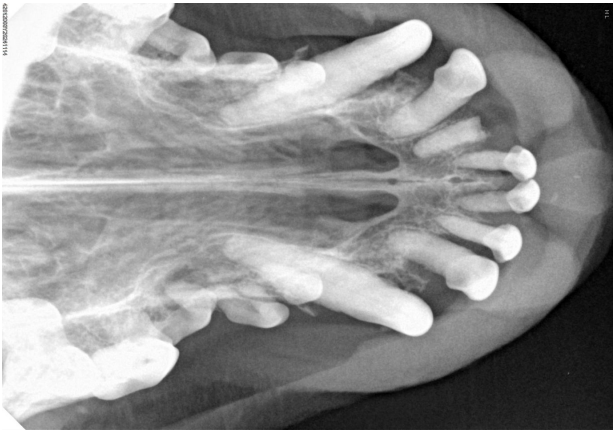
DTS-580--X-ray System(Optional)



Obtaining clear oral X-ray images is the gold standard for dental diagnosis, as it can detect deep lesions that are invisible to the naked eye.

It provides crucial information for root canal treatment, periodontal disease assessment, and complex fracture diagnosis, avoiding misdiagnosis and missed diagnosis.

Images can be taken quickly right next to the treatment table, without the need to move the animal, significantly shortening treatment time and improving turnaround efficiency.





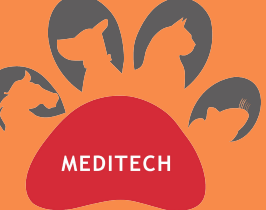
DTS-580--Specification & Configuration



Technical Parameter		
Air Compressor	Power/Current	220V:550W/2.5A 110V:550W/5A
	Output Pressure	0.8MPa
Air Tank	Capacity	32L
Ultrasonic Scaler	Power	3-20W
	Working Pressure	0.01-0.5MPa
	Vibration Frequency on Tips	28kHz±3kHz
High Speed Hand Piece	Rotating Speed	320000-400000rpm
	Pressure	0.3-0.35MPa
Low Speed Hand Piece	Rotating Speed	15000-20000rpm
	Pressure	0.15-0.20MPa
Noise	Only forthe air supply process	50-60dB

Configuration		
Dental Unit	High Speed Hand Piece	2pc
	Low Speed Hand Piece	1pc
	3-way Syringe water/air/spray	
	LED Ultrasonic Scaler	
Dental Consumable	Tips for Ultrasonic Scaler	5pcs
	Disposable Polishing Cup	10pcs
	Disposable polishing Brush	
	Burs(forHS)	
Dental Imaging System	Dental X-ray Machine+Bracket+Rotating arm	1pc
	TT-DC100 WiFi handheld Intraoral Camera	1pc
	23.8inch Touch Screen Computer System	1pc
Others	4-way Electric Lift Operating Table	1pc
	Surgical LED Lamp	1pc





THANK YOU

TOOTOO MEDITECH CO.,
LTD.
May 2026