

Intelligent physical therapy Robotic Arm platform



*Technology frees hands ;
Intelligence comfort life !*



Flexible collaborative robotic arm is based on 6-joint electric drive, and AI image body recognition, pre-programmed movement trajectory, more flexible and precise movement, higher collision avoidance, safety and reliability.



Machine's vision systems are capable of recognizing limbs and subjects with high accuracy by processing 3D camera images in real time. Such system utilize advanced algorithms and techniques to accurately recognize human poses and movements, providing accurate guidance and control of flexible collaborative robotic arm.

Third view protection

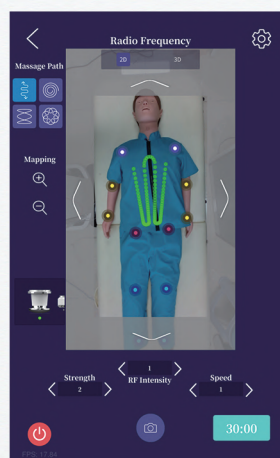
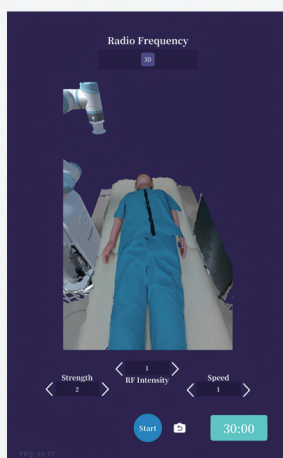
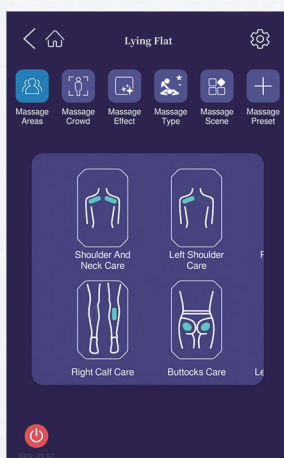
If human movement is detected or there is a problem with recognition, it will withdraw autonomously to avoid misuse. In addition, users can choose to have the arm avoid the spinal area to ensure a safe and effective massage experience.

Dynamic tracking

The ability to intelligently recognize and follow the body's all movements, ensures that the massage head is always close to the body, providing an uninterrupted and comfortable process.



3D solid modeling, multi-angle visual observation; real-time environment monitoring, convenient and intuitive; the machine's own top view angle, can be safe self-testing.



- Subdivision processing of body parts, accurate target parts, synchronous output.
- Dual massage mode: single point pressing + path massage.

More massage path, location and range optional easily, Precise control and intensity parameter adjustment; detection stroke setting accurate to millimeters, force perception accurate to **0.1N**, more secure and controllable.
New strength sensor on the treatment tip
 Real-time close to the human body, perfect integration according to the body parts and situation, real-time dynamic adjustment of the strength, to meet the exclusive needs of each experienter.



Massage+RF Tecar treatment

- Four heads as standard configuration, quick release clips for easy replacement and adaptation to different therapeutic needs.
- Flat sole head for common body massage soothing, massage gun help body muscle relax totally.
- Standardised pre-set exclusive paths, in the dynamic path, with optional density and movement, is fully user-friendly and enhances comfort and target site effect.
- Massage + radio frequency head synchronization design, Tecar heated massage into deep more subcutaneous layers, the treatment is more comfortable, and the post-operation effect lasts longer.



Massage gun



Flat sole head



Platform Advantages



Robotic arm platform, expandable modular design, quick-release and easy-to-change connector, easy to meet more applications.



More languages option, remote online software updating.



Virtual operation demonstration before use, emergency stop design, safe and secure.



Windows platform operation interface design, clear and simple, support multi-program mode expansion.

Commercial Running Design

- Unmanned operation, save human work and cost a lot, long term economical investment.
- The whole machine is networked, integrated management, batch put on the market.

Parameters

Robotic Arm:	6-joint electric drive	Working Radius:	≤0.92m
Standard Load Capacity:	≥5KG when towing, down pressure≥7KG		
Limit Load Capacity:	≥7KG when towing, down pressure≥8KG		
Force Acquisition Range:	≤±10KG, Resolution<0.1KG		
Single Track Length:	≥5000 nodes, more than 3 min		
Running Speed:	≤0.5m/s		
Control System:	X86 fully enclosed embedded computer as the core, supplemented by Gigabit network port directly connected to the arm body controller, ultra-high integration		
Camera Sensor:	a 2-in-1 highly integrated solution that combines live view camera+TOF deep view camera		
Tip Type:	Single-polar RF; Multi-polar RF; Sole; Gun	Tip Size:	70*70*55; 100*100*60; 100*75*80; 138*55*150(mm)
RF Frequency:	470khz	RF Power:	200w
Mainframe Size:	1000*500*1300mm	Net Weight:	130kg

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