

INFAN 500 BOT

Universal Delivery Robot

- Relay of Classic -



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Product Overview

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INFAN500, the newly upgraded delivery robot from INFAN Robotics, inherits excellent features and functions from InfanBot.

INFAN500BOT is committed to realizing intelligent deliveries in all scenarios, promoting the application of service robots and accelerating the overall robot development with higher performance, better functional extendability, environmental adaptability and reliability in use.

INFAN500BOT



Product Overview

10-inch Interactive Screen

Aluminum Machine Body

Adjustable Trays

Upper Lidar

Wide FOV RGBD

Lower Lidar

Visual Camera

USB Interface

Industry-leading Chassis System

20Ah LFP Battery

Automatic Charging

INFAN500BOT



Product Overview

Dimension	580mm*535mm*1290mm
Machine Weight	39kg
Tray Size	500mm*432mm
Single Tray Load	Maximum 13kg
Maximum Loads	40kg
Battery Life	10~24h
Charging Time	3h
Path Clearance	80cm
Cruise Speed	0.5m/s~1.2m/s
Obstacle Negotiation Height	10mm
Climbing Angle	≤5°
Positioning Method	INFAN VSLAM+ & Laser SLAM
Dispatching	Maximum 20
Charging	Wire or Automatic

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Key Features

INFAN SLAM

Fusing laser and visual positioning & navigation technology

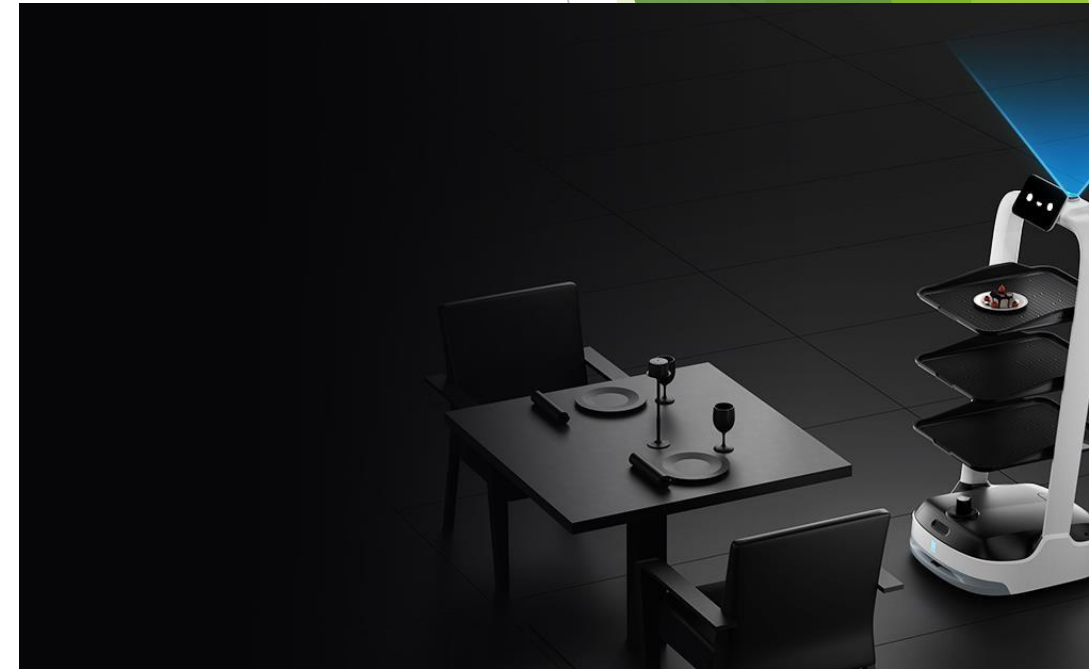
- Support Laser SLAM, INFAN VSLAM+, or Fusion (Laser & VSLAM+)
- Position and navigate with ease in complex and dynamic environment
- Enhanced positioning, perception and route planning efficiency

Key Features

INFAN VSLAM+

New generation of INFAN VSLAM technology

- Marker-less deployment, reducing 75% deployment time
- Comfortable operation even in high ceiling environment up to 30 meters
- Extra large scene mapping for up to 40,000m²
- Improved stability with fewer changes of the positioning reference
- Greater adaptability of different scenarios under different light conditions

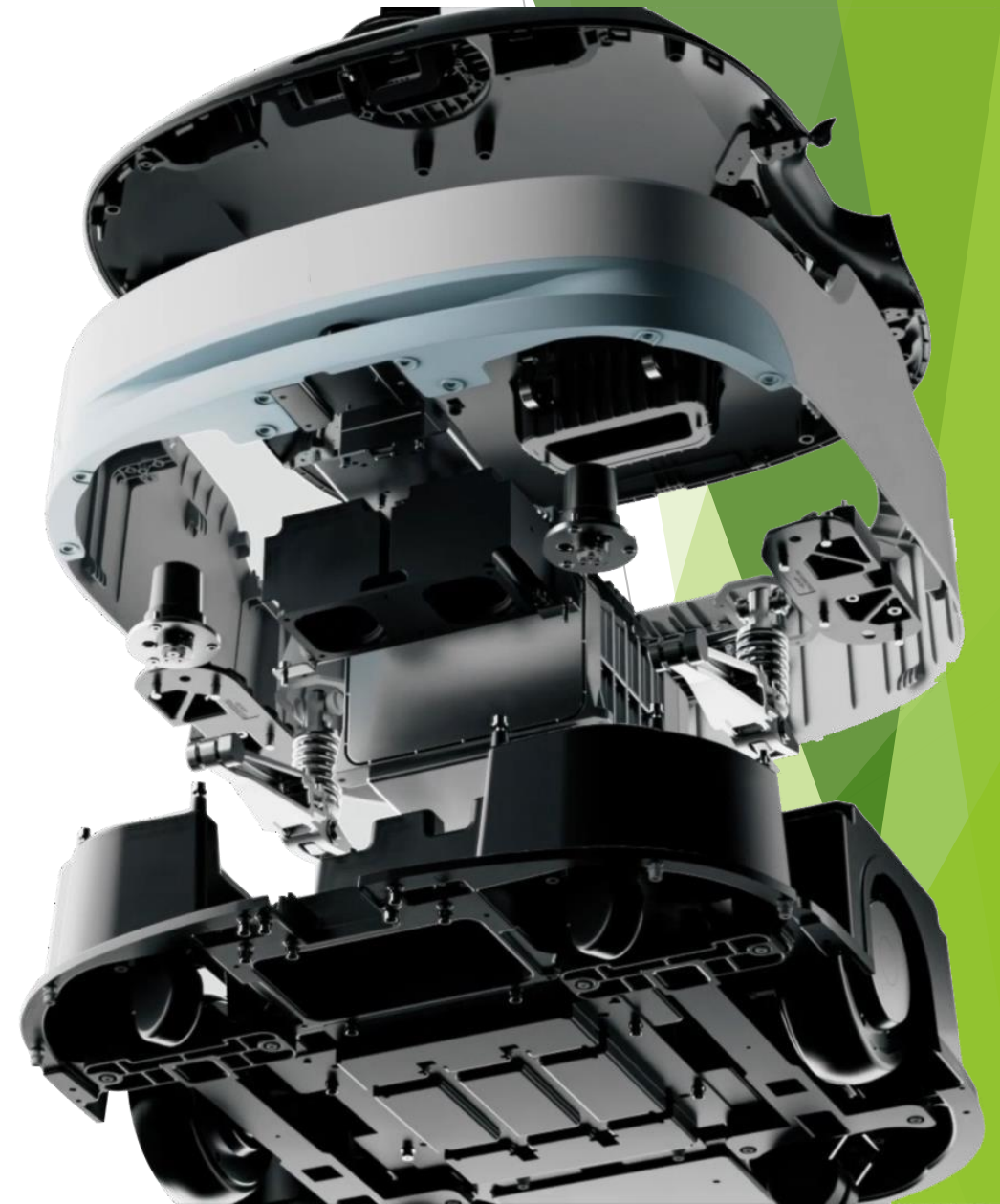


Key Features

Industry-leading Chassis System

Better Stability, Better Performance

- Highly integrated chassis with newly upgraded vertical linkage suspension system
- Significantly improved obstacle-crossing capability
- Adapt to different road surfaces, **30%** improvement in moving stability
- Smooth mobility even with bumpy roads

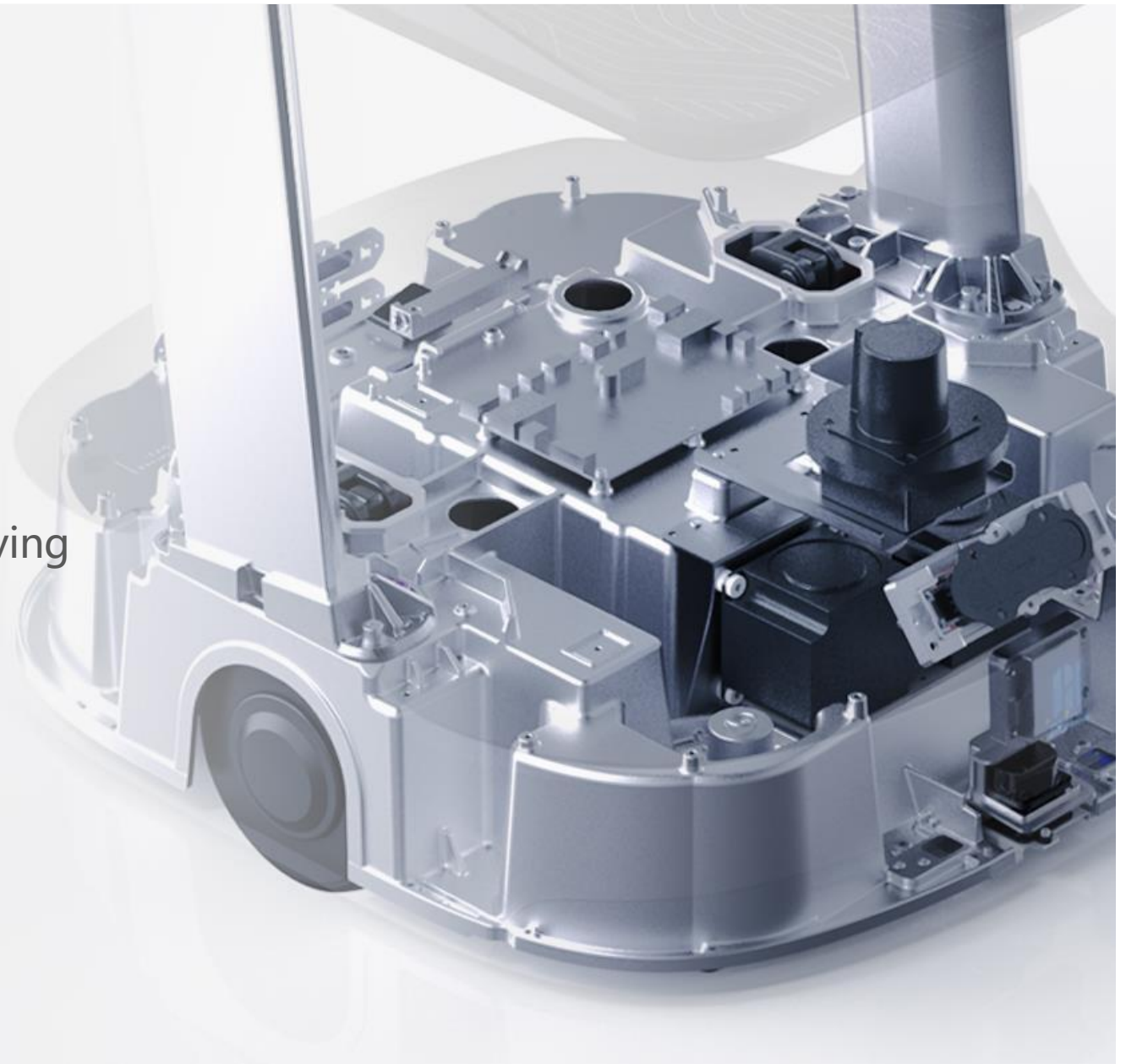


Key Features

INFAN-developed Servo In-wheel Motor

Cost Reducing, Efficiency Boosting

- 33% increasement in load capacity
- 16% improvement in energy utilization
- Excel in both performance and energy saving



Key Features

Dual Lidar, Precise Perception More Reliable, More Secure

- Dual-Lidar system provides INFAN500BOT the ability of 360 degree sensing, with environmental features in full view
- The upper lidar is responsible for distance detection, with an effective obstacle avoidance capability within **0.8m** (at a load of 40kg and 1.2m/s travel speed)
- The lower lidar is responsible for ground detection with the shortest detectable height of **8cm**



Key Features

High Performance LFP Battery



- Extended battery duration
- Operates up to 24h on a 3 hour charge
- 6X longer battery lifetime
- Enhanced safety and reliability

Automatic Charging



- Co-charging pile with other Infan products
- Automatic recharge at set time or when battery level is lower than set threshold

Key Features

Multi-Modal Delivery

- One robot serves for multiple purposes



Food Delivery Mode



Delivery Mode



Cruise Mode



Direct Mode



Dish Return Mode



Birthday Mode

Multi-Table Delivery

- Serve several tables at one go

Meet the diversified delivery needs

Key Features

Calling and Notification

Autonomous and flexible, anytime and anywhere



Calling Robot

- Support **INFAN Pager**, **INFAN Watch** & **INFAN Link**
- Assign and manage tasks simply with one click



VIP Room Notification

- Notify the guests on robot arrival
- Enable more efficient delivery service for private rooms

Key Features

Automated Pass-through

Safely and automatically pass through E-gates or Electric glass doors by simply installing Bluetooth control modules at sites.



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Key Features

Fully Enclosed Machine Design



Machine Slit
 $\leq 1\text{mm}$



Effectively resist
dust and water



IP42 rated

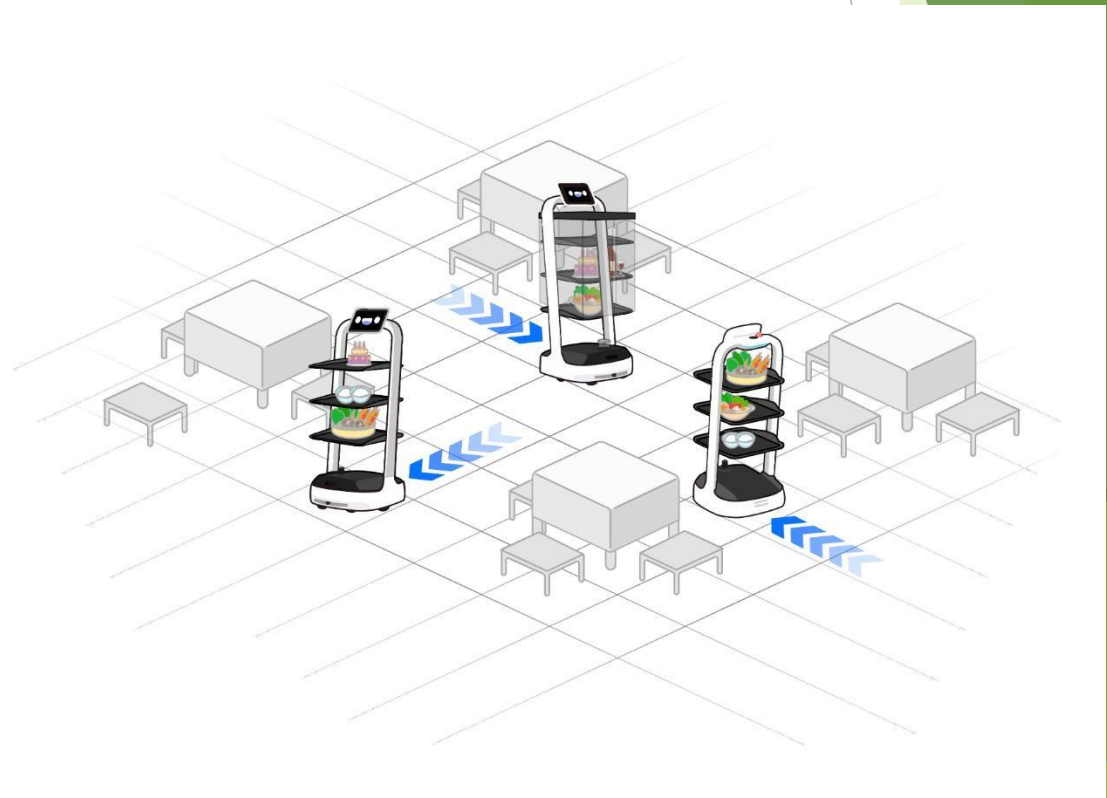


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Key Features

Multi-Robot Collaboration

- Powerful self-organized network
- Dispatch up to **20** robots in one environment
- Realtime environmental perception
- Automatically detour for traffic congestion
- Adapt to complex and dynamic scenarios
- Allow painless collaboration among robots



Key Features

Various Forms, Versatile Accessories



Dish Cover



32" AD Screen



Cup Holder



QR Code Scanner

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Key Features

Customization Services



Customized Sticker

- Create your exclusive INFAN500BOT for greater brand exposure
- Make your robot unique and eye-catching



Customized Voice Pack

- Online upgrade and real-time sync.

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Multi-Industry, Multi-Scenario Coverage



Restaurant & Café



Hospital & Clinic



Hotel & Resort



Office



Senior Living



Manufacture



Entertainment & Leisure



Retail

Product Values

Contact-free Delivery

The COVID-19 profoundly changes our way of life and production and lots of restaurants have offered contact-free delivery to guarantee the safe transfer of food nowadays.

INFAN500 supports pager function and receives remote operation commands.

In different use scenarios INFAN500 can receive demands from the pagers and collects the dishes or items automatically, reducing contagion risk between people while boosting delivery efficiency.

Product Values

Keep up with Trend of Restaurant Automation

Restaurant Automation is the use of automated or robotic technology to complete tasks throughout the restaurant and facility in order to simplify ordering, meals preparing, food delivery and bill payment.

Embedded in strong foundations and in-depth understanding of catering industry, INFAN500 possesses the significant features to streamline the food delivery services. And the powerful multi-robot dispatch system distinctly cuts down on the human labor required to stay up and table running.



Product Values

Mitigate Labor Shortage

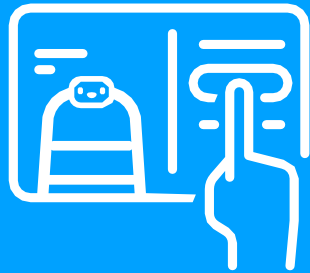
The pandemic has been hugely devastating to the labor market and fundamentally altered the industries and locations where would-be employees want to work. Employers are struggling in looking for and retaining qualified staffs.

Deploying robots to replace the 4-D jobs (Dull, Duplicate, Dirty and Dangerous) is trendy and will become ubiquitous in future. With the help of robots, employees may focus more on the high-value work and have a better work environment, which results in better work experience and satisfaction.

Product Values

Revolutionize Customer Experience

Commercial robots are being successfully integrated into different hospitality organizations or retail stores to improve customer experience.



Streamlining underlying processes



Reducing friction to create the sense of seamlessness and delight



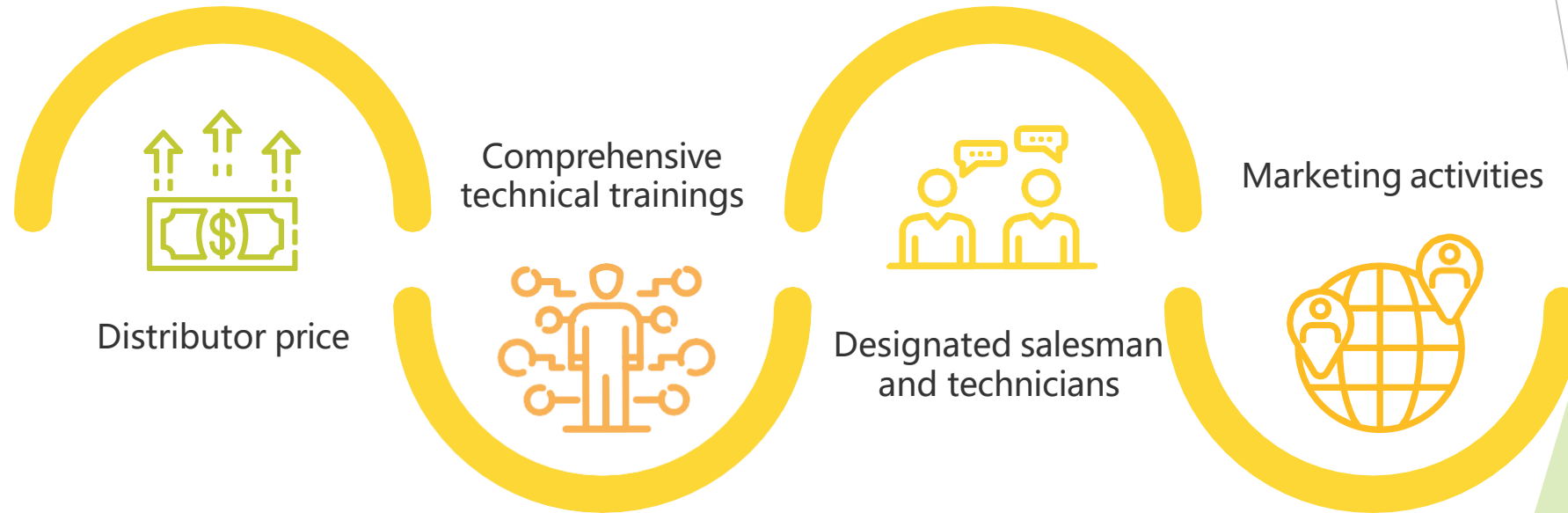
Boosting customer experience by re-allocating more humans into front-facing roles



Enhancing customer journey by providing innovative experience

Your Reliable Business Partner Build the future together

Solid partnerships starts with a shared commitment to providing superior value to you, we will support you as followed:

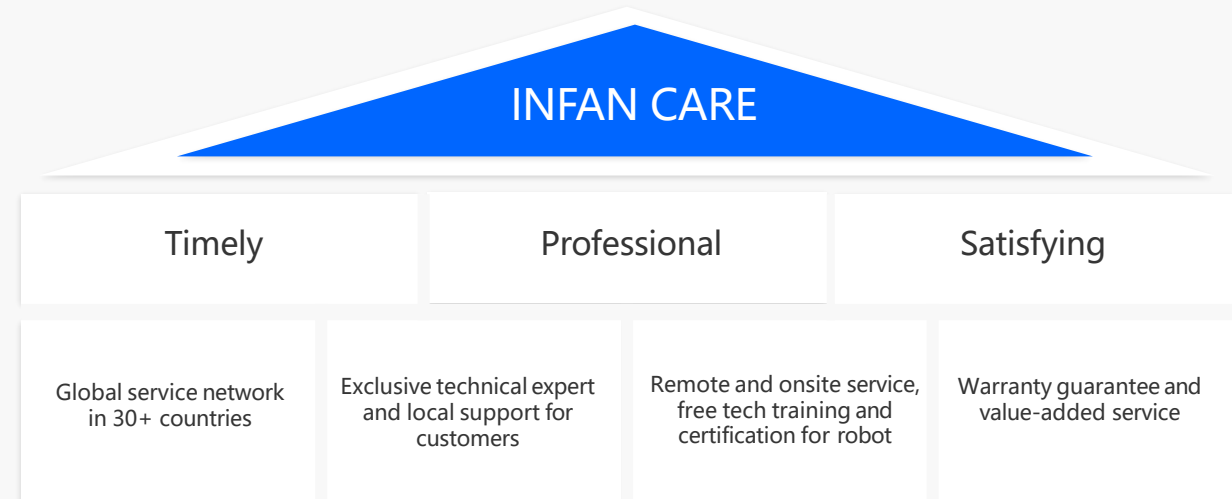


Operation Advantage

Offline Service:

- 1 Year Free Warranty
- 7 × 24 Hours Service
- Local Service & Support


Infan Robotics has a thorough after-sales support system and humanized after-sales policy as well, whenever it is needed, we are going all out to offer service and reach your satisfaction.



Thank you!

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