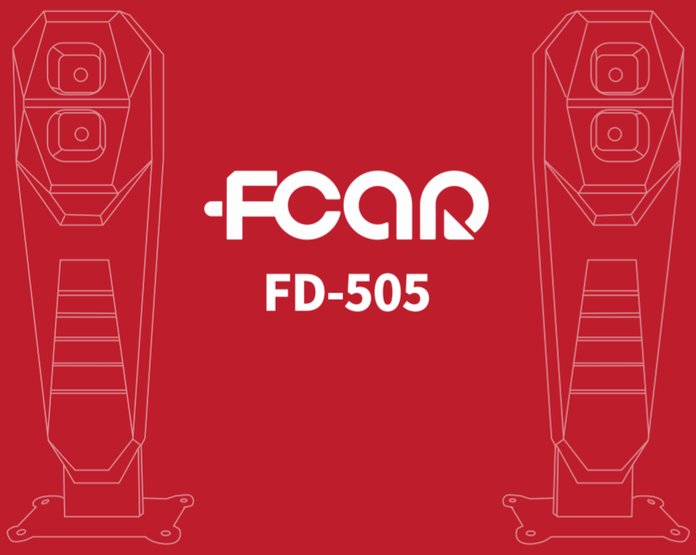

FCAR

FD-505

FCAR FD-505

Portable 5D Wheel Alignment System

Movable Design | Wide Adaptation | High Accuracy

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Shenzhen Fcar Technology Co., Ltd.

MAIN FEATURES OF FD-505

Portable and Space-Saving Design

The biggest advantage of FD-505 is the ability to be moved around as you need. Two movable stands can switch to different stations easily, which meets the needs of high efficient workshops.

Self-Developed Alignment Software

The software on FD-505 is 100% developed by FCAR team. After years of R&D, there are thousands of car models included in FCAR database. And still the database is enlarging and updating every year.

For All Types of Car Lifts

FD-505 is adapted to all kinds of car lifts, no matter scissor, 2-post or 4-post types. It is no doubt that FD-505 is able to work in all small or big workshops and garages.

No Need to Assemble

The aligner units are already fully assembled in FCAR factory. You can use it directly without all the complicated and time-wasting procedures of installation.

5 HD Camera Matrix

With the newest 5D technologies, FD-505 features 5 HD cameras to capture every little detail of adjustment and output more accurate data compared to traditional 3D aligners.

All-at-Hand Operations

The operator can monitor the wheel alignment operations with a tablet, flexible and can walk around to check on the car condition any time.

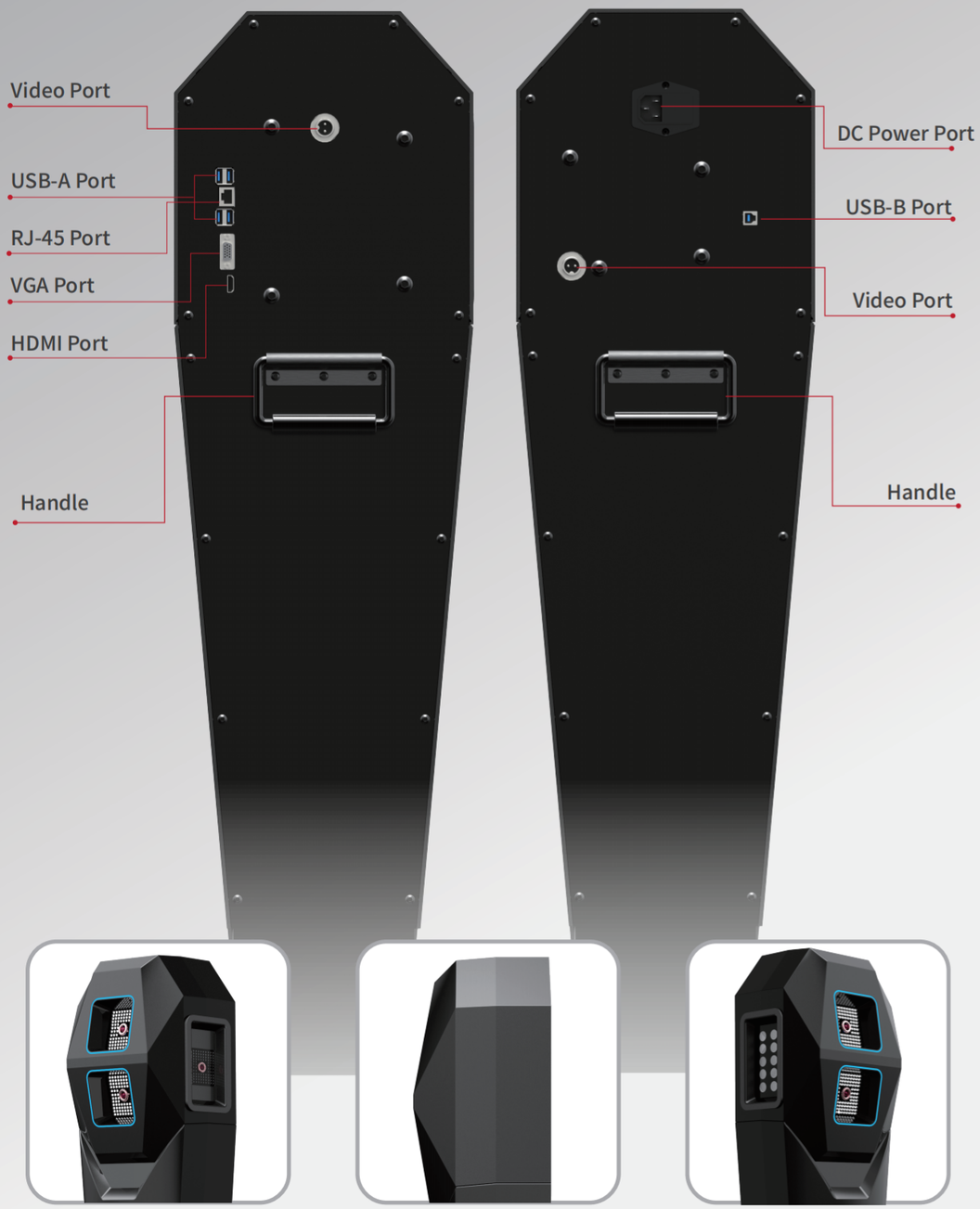
Sync Display with Android TV

The tablet of FD-505 can connect with Android TV to share display via software projection or HDMI cable. The tablet and TV can work simultaneously for dimension in workshops.

WIFI Connection

The tablet and PC fully communicate via WIFI connection, a PC inside the camera stand which can operate using keyboard and mouse.

DESIGN AND LAYOUT



QUICK AND EASY SETUP WITH FAST RESULT

1 Measure Angles

Install targets

Enter into system

2 Select Vehicle Model

Choose specific model or enter Fast Alignment

3 Push Compensation

Video-speed imaging for fast roll-back compensation

4 Print Your Results

Check on car condition

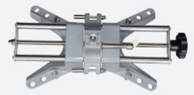
5 Make Adjustment

Create a live, real time measurement

Full package set


F7S tablet


Aligner unit


Four-jaw clamp


Wedge pad

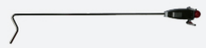

Caster

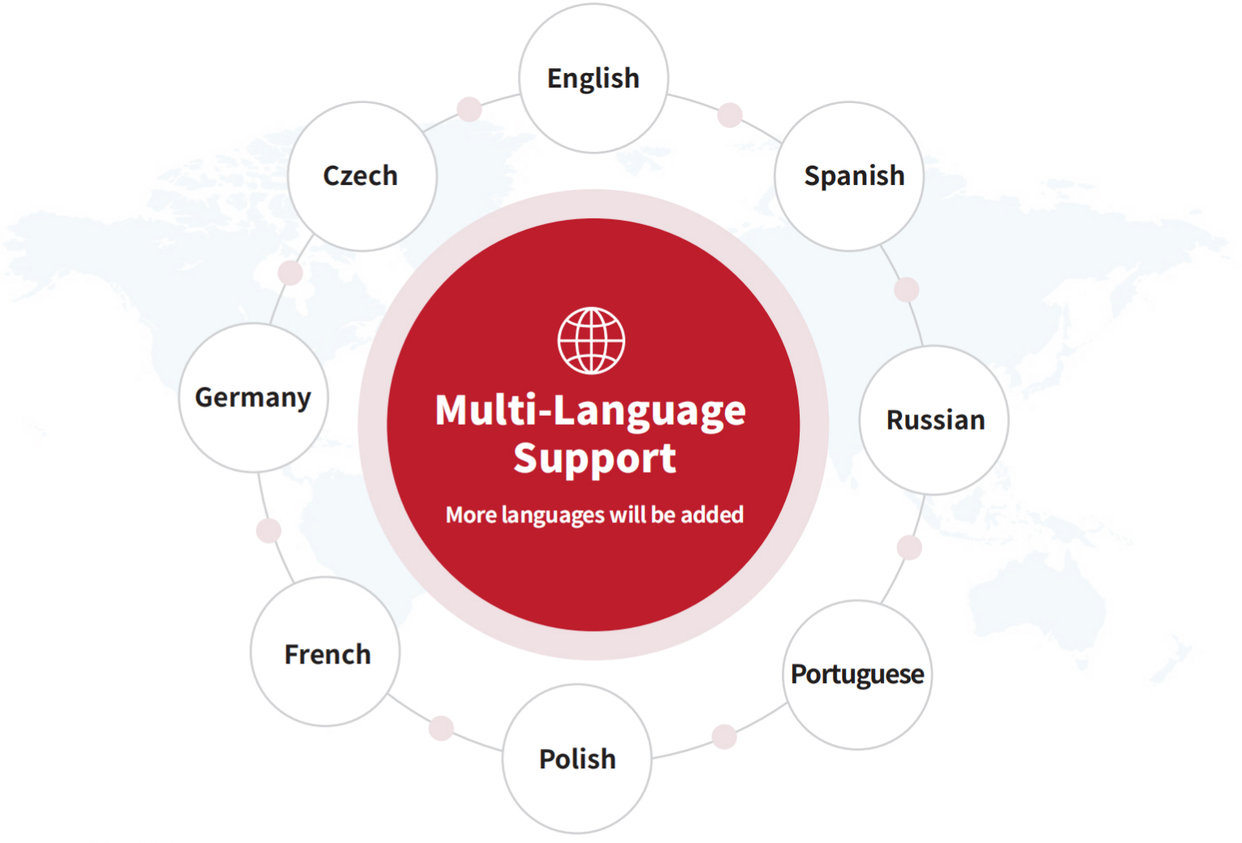

DC power adapter


Target A (rectangle)


Target B(triangle)


Steering wheel holder


Brake retainer



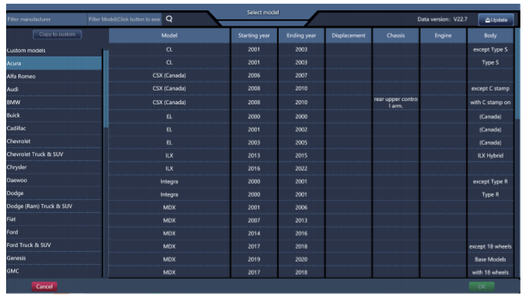
Technical Parameters

Ground Test		FD-505
Basic Functions	Camber	√
	Caster	√
	KPI	√
	Toe	√
	Setback	√
Extensive Functions	Thrust	√
	Rear axle yaw	√
	Wheel deviation	√
	Axis deviation	√

Lift Test		FD-505
Basic Functions	Camber	√
	Caster	√
	KPI	√
	Toe	√
	Setback	√
	Thrust	√

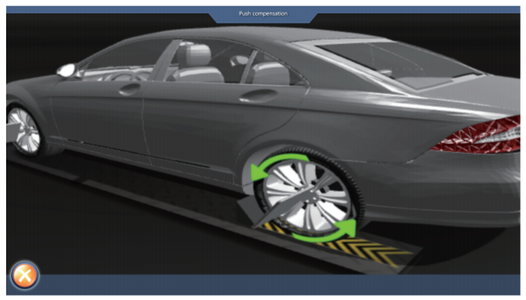
Technical Parameters	Precision	Variable
Toe	±2’	±20°
Camber	±2’	±10°
Caster	±6’	±20°
KPI	±6’	±20°
Setback	±2’	±5°
Thrust	±2’	±5°
Track width difference	±2mm	
Axle distance	±2mm	

Software Details



Select Mode

Standard Data

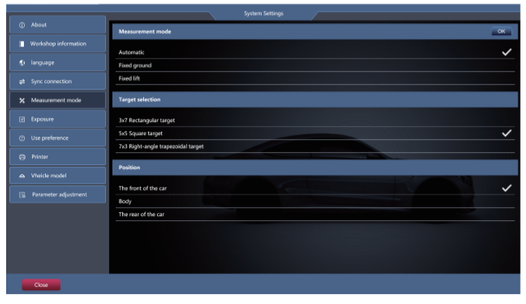


Push Compensation

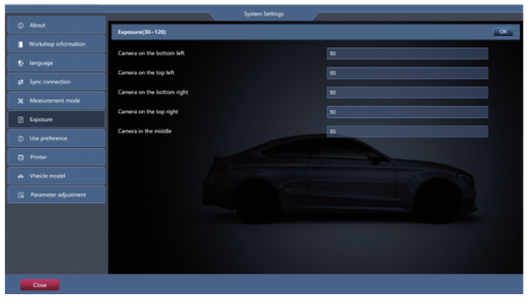
Measure Caster

Fault Detection

Save Record



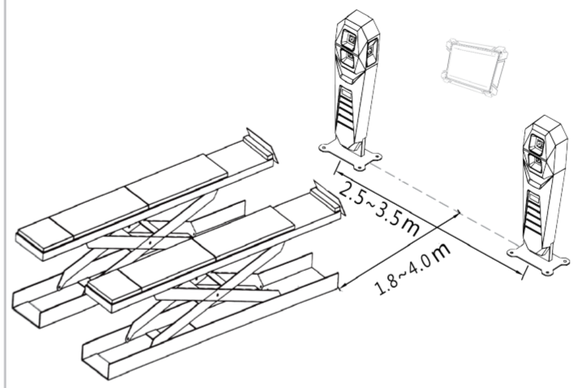
Humanized Settings



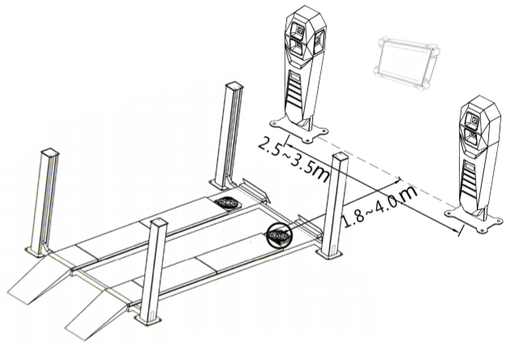
Exposure Adjustment

Installation Methods

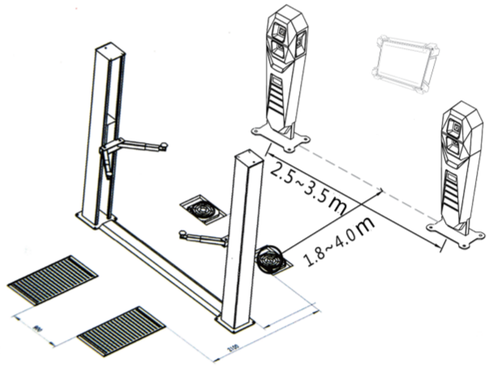
Large scissors installation method



Four columns installation method



Two columns installation method



Pass-through installation method