



The **ELECTRIFYING**
Mobile Tire Service
REVOLUTION

ALL-IN-
48V TIRE SERVICE
TECHNOLOGY

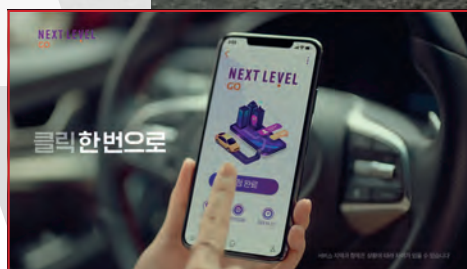


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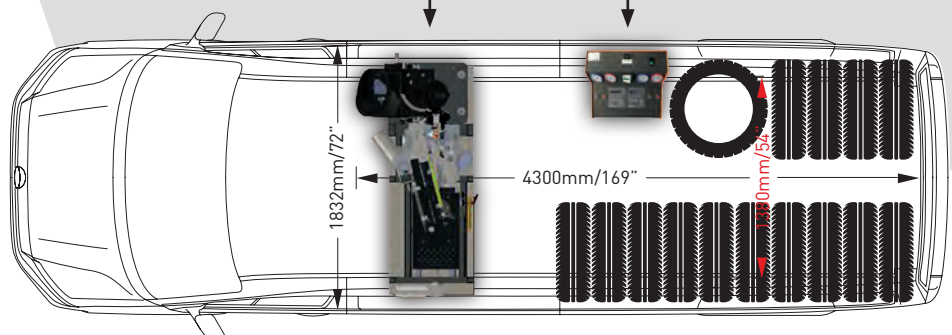
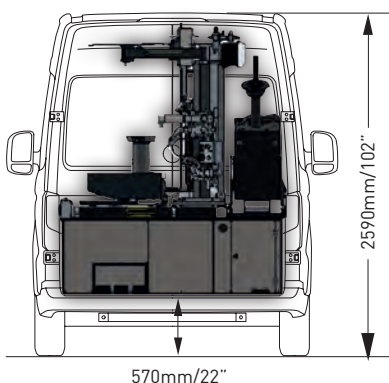
**THE MOST TECHNOLOGICALLY
ADVANCED MOBILE TIRE
SERVICE UNIT IN THE MARKET!**

SERVICING FUTURE MOBILITY. MOBILE!

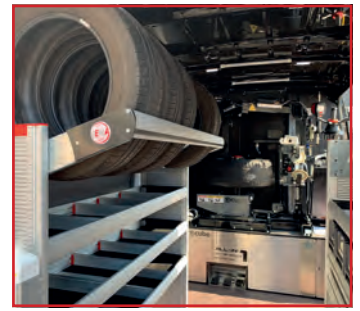
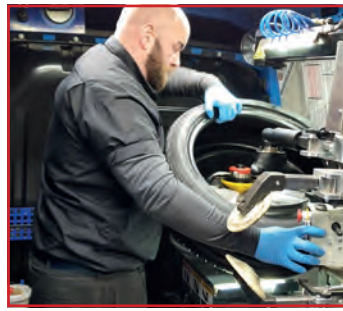
- Compact dimensions allow flexible installation – **Requires just 1.1m² of floor space**
- 48V premium battery bank
- No disturbing noise or fumes
- Compact dimensions allow flexible installation
- Works on a wide range of tire sizes
- Guarantees workshop quality in your customer's driveway
- Easy to (de)install
- Easy to operate
- Cold climate? Doors closed – full functionality
- NIOSH recommended working height
- Massive cost savings on idling engine
- Remote monitoring, software updates and trouble shooting
- Lightweight
- Service friendly modular design
- The heart of your mobile service platform
- Bring the WOW factor to your customer
- Specifically designed for mobile service market
- Designed, engineered & manufactured in the EU



Designed, engineered &
manufactured in the EU



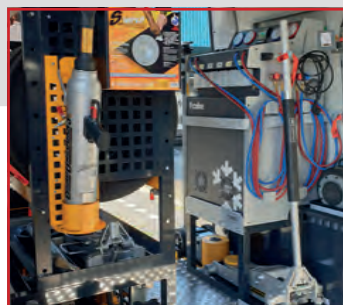
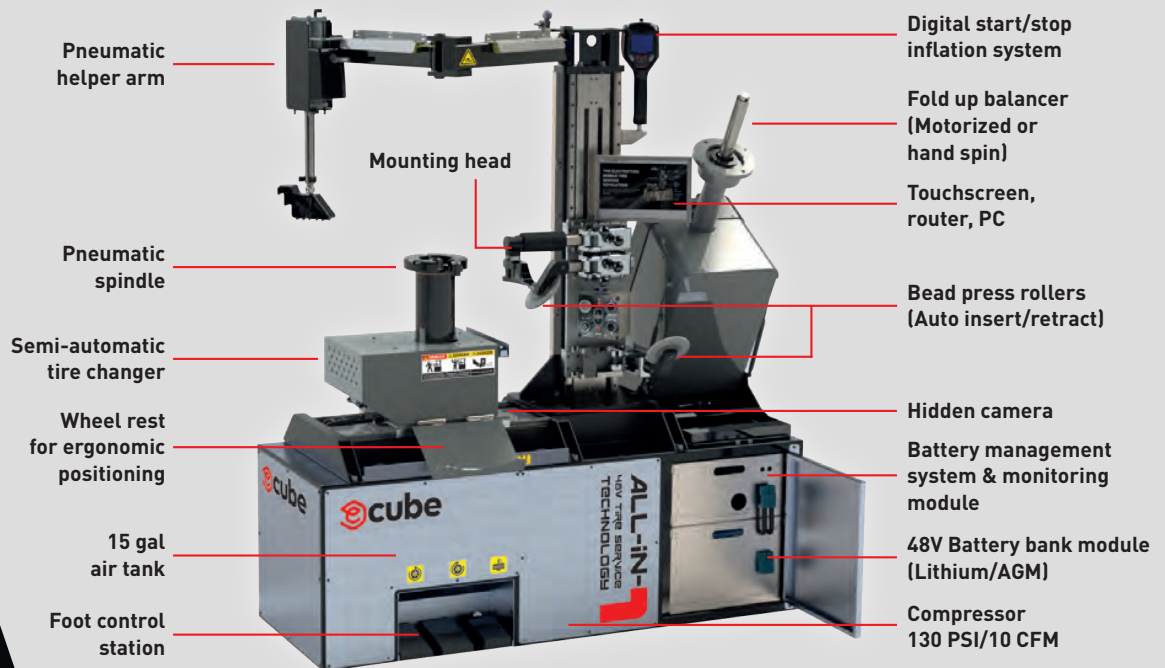
*Drawings show a possible vehicle configuration of VW Crafter L4H2 2018



As mobile tire servicing becomes more and more popular throughout Europe, North America and Asia, innovation in how these on-the-go tire shops operate must keep up. Our ecube does just that. By combining all of the necessary tools and functions in traditional mobile tire service vehicles into one, the ecube's compact design allows the mechanic to work in an upright position while inside any light commercial vehicle or trailer.

Not only does this make the mechanic's job easier, but also creates space for more tires and service equipment to be stored in the vehicle ensuring more profitable 'stops'. Additionally, the ecube does not require a generator onboard, which means no fumes or noise pollution.

Even with its compact and lightweight design the ecube makes no compromises on functionality and robustness. It is still capable of changing tires from 10 inches to 24 inches with 38 inches as maximum wheel diameter.



SPECIFICATIONS E-CUBE ALL-IN ONE TIRE CHANGER

TIRE CHANGER	MIN. "	MIN. MM	MAX. "	MAX. MM
Rim diameter	10"	254	24"	610
Total tire diameter with rim 24"			40"	1016
Total tire diameter with rim 23"			39"	990
Total tire diameter with rim 22"			38"	965
Total tire diameter with rim 21"			37"	940
Total tire diameter with rim 20"			36"	915
Total tire diameter with rim 19"			35"	990
Total tire diameter with rim 18"			34"	864
Total tire diameter with rim 17"			33"	838
Total tire diameter with rim 16"			32"	813
Total tire diameter with rim 15"			31"	788
Total tire diameter with rim 14"			30"	762
Total tire diameter with rim 13"			29"	737
Total tire diameter with rim 12"			28"	712
Total tire diameter with rim 11"			27"	686
Total tire diameter with rim 10"			26"	661
Wheel width	2"	50	19"	485
Bead press system	Upper and lower bead press by roller			
Bead press roller force	-	2600Kg	26000Nm	5734 Lb
Clamping system	Central clamping with pneumatic spindle and Haweka quicknut			
Rotating spindle speed	1 Rpm	variable	15 Rpm	-
Rotating spindle force	800Nm			
Inverter motors	Yes			
Gearbox	Made in Italy			
BATTERY, BMS, HARDWARE/SOFTWARE				
Power pack removable	Yes			
Power pack Multi-use	Power pack usable as portable 1200W AC powerpack (when inverter is included)			
Power pack protection	Protection for low discharge and overcharge (intelligent charging and adaptive charge current at low temperatures)			
Power supply charging smart	AC	-	48V	8A
Power supply charging smart	DC	-	48V	10A
Power supply charging combined	AC/DC	Yes	48V	18A
Battery Pack *	AGM	-	48V	100Ah
Battery Pack **	Lithium LiFePO4		48V	60Ah
Battery Pack **	Lithium LiFePO4		48V	100Ah
Inverter 48V-230V/110v pure sine			230V/110V	1200W
Dual computer system	Yes			
Motor control	Micro computer		Atmel ATmega32U4 16 MHz crystal oscillator 8-bit resolution	
Central control	Micro computer		Quad core 64-bit processor clocked at 1.4GHz. 2GB LPDDR2 SRAM	
Touchscreen	HDMI LCD 10.1 inch IPS 1280x800 Capacitive Touchscreen			
Features touchscreen	Camera live feed - Logo customer - Summary battery power and inverter status - Detailed summary batterie consumption & history - Webpage can be customized with agenda & online portal - Service page with manuals, videos & troubleshooting - Teamviewer assistant & live testing signals program - Router login & system setup - Optional page for controlling & monitoring EV emergency charge system - Software updates with customer's permission			
Camera	Mini CCD/CMOS HD digital camera			
Router	Rugged and durable professional 4G/LTE Dual SIM cellular router with advanced WiFi, Ethernet and industrial grade networking functionality support.			
COMPRESSOR	2 CILINDER 1,5 HP			
Air tank capacity	-	-	15 Gallon	60 Liter
Air pressure	-	-	130 Psi	9 Bar
Air flow pump out	-	-	10 Cfm	284 L/pm
Noise volume	-	-	69 Db.	-
BALANCER	PREMIUM MOTORIZED 2D BALANCER (MADE IN ITALY)			
	Automatic Digital wheel balancer - Suitable for Car, Vans, SUVs & Light Trucks wheels - 16-bit high-tech electronics - Smart electronic motor control - Low Speed (98 RPM) - Control Panel with multifunction keypad (double LED display) - IFS Light flange system max 75 kg (max 165 lbs) - Unique measuring system with 3 sensors - Shaft 40 mm (1.574") - 256 steps position sensor - Quick-Lock nut - Automatic Start-Stop - Stop-on-top - 2D automatic data input (distance+diameter) - Self Calibration with Calibration weight - Self Diagnostic - ALU programs (stick-on weights) - ALU-S program for manual application of stick-on weights - MOTO program - SPLIT program (Hidden Weights) - MARS program for Static minimization - FCC program (Fast calibration check) - Cones 42-98 mm (16-39") - Max wheel weight 75 kg (165 lbs) - Rim max diam. 10-26" - Optional accessories; reverse mount, light truck, motor cycle, clad and more			
ECUBE KEY DATA				
Weight	-	-	990 Lb	450Kg
Dimensions	1500mm	{560+180mm}		1800mm
(Width x Depth x Height)	59"	{22" + 7"}		71"
ecube volume	-	-	53ft³	1.5m³