

# CUBIZON SERIES

DIMENSION & WEIGHT SCANNING SYSTEMS



**CUBIZON-R**



**CUBIZON-R ECO**



**CUBIZON-R THRU**



**CUBIZON-R CROSS**

# FALCON AUTOTECH

[www.falconautoonline.com](http://www.falconautoonline.com)



## WHY CHOOSE FALCON AND THE CUBIZON SERIES?

To be able to truly leverage the investments made in Automated Dimensioning and Weighing Solution, companies need to ensure that their partner has the right Product to cater for their very specific needs and the right Domain Expertise to be able to understand their pain points.

The Cubizon Series is a unique result of rigorous Market Research coupled with latest Sensor and Software technology available globally, to offer you the most Reliable solution out there for Precise Automated Dimension and Weight Measurement.

These machines clearly stand out from their competition backed by their unmatched Features and functional abilities:

### ACCURACY

Equipped with High Precision Laser for Ultra High Accuracy

### VERSATILITY

Integrated Slider Flaps for facilitating Measurement of Irregular Products

### ROBUST

Designed and tested for Extreme Industrial/WH conditions

### NO MAINTENANCE

Guaranteed Zero Maintenance expenses

### SOFTWARE

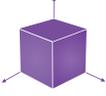
Cubizon Series Products are powered by **CUBIZONE™**, one of the most Powerful Software Engine in its class (More details on page 9)

## WHY DO COMPANIES NEED RELIABLE AUTOMATED DIMENSIONING AND WEIGHING?

The adoption for reliable Automated dimensioning and weighing has witnessed a rapid growth in Modern Day Warehouses. This is majorly driven by the need to drive the Operational efficiency, Cut down Costs, and bring accuracy & transparency to the entire Warehouse process from Inbound to Outbound.

## KEY ADVANTAGES OF RELIABLE AUTOMATED DIMENSIONING AND WEIGHING ARE:

- Warehouse Storage Space Planning and Optimization
- Packaging Size Recommendation and Optimization
- Shipment Freight Cost Calculation and Reconciliation
- Size Recommendation for Modern Day Delivery Models such as Smart Lockers



## CUBIZON-R

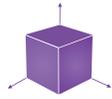


**Cubizon-R** is the most widely accepted Static DWS Model with hundreds of successful Installations in the Asia Pacific Region.

This Portable model can be used as an independent Work Station and can handle both **Boxes** and **Irregular Shipments** by using its unique **Slider Kit**.

## TECHNICAL SPECIFICATION

PROPERTY	UNITS	VALUE
<b>SIZE</b>		
Maximum Length	mm	700
Maximum Width	mm	700
Maximum Height	mm	700
Minimum Length	mm	25
Minimum Width	mm	25
Minimum Height	mm	25
Measurement Increment	mm	1
<b>WEIGHT</b>		
Maximum Weight	grams	50000
Minimum Weight	grams	20
Least Count	grams	1
Throughput	PPH	400-600
<b>SHIPMENT SHAPE</b>		
Regular Boxes	NA	YES (Without Flaps)
Irregular/Non Boxes	NA	YES (With Flaps)
Dimension Interval	Sec	3
Surface Characteristics	NA	Stainless Steel
Orientation	NA	Object to be butted at Axis
Spacing	NA	NA
Operational Temperature	Celsius	5 to 55
Power	NA	230V
Barcode Scanner	NA	Wired 1D Scanner (Wireless and 2D Optional)
Interface with PC	NA	USB/Serial
Portable	NA	Yes
Camera	NA	Optional
Printer	NA	Optional



## CUBIZON-R ECO

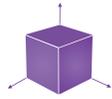


**Cubizon-R ECO** is Falcon's entry level model that is **extremely cost efficient** and can pay back its investment in a matter of weeks.

This Table Top Design is best suited for Fixed Location Applications however, if required, you can choose to integrate it with Falconautotech's Portable Trolley.

## TECHNICAL SPECIFICATION

PROPERTY	UNITS	VALUE
<b>SIZE</b>		
Maximum Length	mm	600
Maximum Width	mm	600
Maximum Height	mm	600
Minimum Length	mm	25
Minimum Width	mm	25
Minimum Height	mm	25
Measurement Increment	mm	1
<b>WEIGHT</b>		
Maximum Weight	grams	50000
Minimum Weight	grams	20
Least Count	grams	1
Throughput	PPH	400-600
<b>SHIPMENT SHAPE</b>		
Regular Boxes	NA	YES (Without Flaps)
Irregular/Non Boxes	NA	YES (With Flaps)
Dimension Interval	Sec	3
Surface Characteristics	NA	Stainless Steel
Orientation	NA	Object to be butted at Axis
Spacing	NA	NA
Operational Temperature	Celsius	5 to 55
Power	NA	230V
Barcode Scanner	NA	Wired 1D Scanner (Wireless and 2D Optional)
Interface with PC	NA	USB/Serial
Portable	NA	NO
Camera	NA	Optional
Printer	NA	Optional



## CUBIZON-R THRU

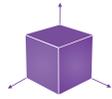


**Cubizon-R THRU** is designed specifically for Cargo Applications that require Dimensioning and Weighing of **Heavy Bulky Packets**.

Cubizon-R THRU is a portable model, equipped with a roller bed base to facilitate easy traversal of packets that are otherwise difficult to maneuver.

## TECHNICAL SPECIFICATION

PROPERTY	UNITS	VALUE
<b>SIZE</b>		
Maximum Length	mm	1200
Maximum Width	mm	1000
Maximum Height	mm	1000
Minimum Length	mm	50
Minimum Width	mm	50
Minimum Height	mm	50
Measurement Increment	mm	1
<b>WEIGHT</b>		
Maximum Weight	Kilo Grams	80/150/200
Minimum Weight	grams	100
Least Count	grams	10
Throughput	PPH	700-900
<b>SHIPMENT SHAPE</b>		
Regular Boxes	NA	YES
Dimension Interval	Sec	3
Surface Characteristics	NA	Stainless Steel with Roller Bed
Orientation	NA	Object to be butted at Axis
Spacing	NA	NA
Operational Temperature	Celsius	5 to 55
Power	NA	230V
Barcode Scanner	NA	Wireless 1D Scanner
Interface with PC	NA	USB/Serial
Portable	NA	NO
Camera	NA	Optional
Printer	NA	Optional



## CUBIZON-R CROSS



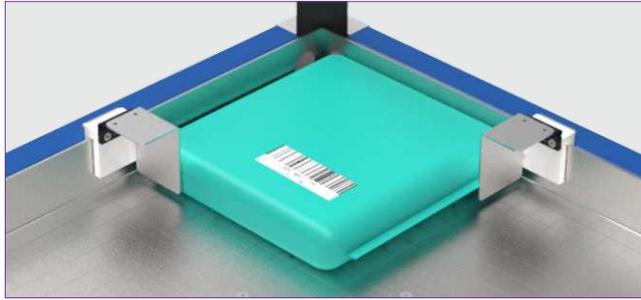
**Cubizon-R CROSS** is Falconautotech's latest launch that has been designed for an ergonomically fluent operation flow for **smaller packets**.

This Table Top Model, can be integrated within a Conveyor System to facilitate easy material flow to increase the productivity and reduce human fatigue.

## TECHNICAL SPECIFICATION

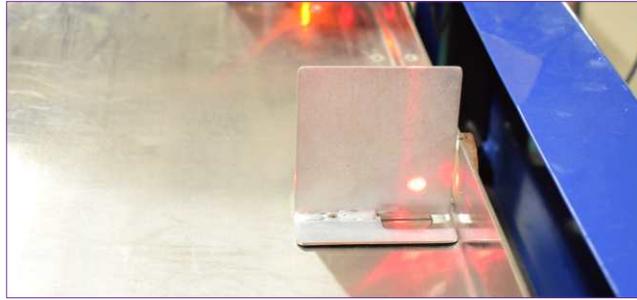
PROPERTY	UNITS	VALUE
<b>SIZE</b>		
Maximum Length	mm	700
Maximum Width	mm	600
Maximum Height	mm	700
Minimum Length	mm	25
Minimum Width	mm	25
Minimum Height	mm	25
Measurement Increment	mm	1
<b>WEIGHT</b>		
Maximum Weight	grams	50000
Minimum Weight	grams	20
Least Count	grams	1
Throughput	PPH	800-900 (With Conveyor)
<b>SHIPMENT SHAPE</b>		
Regular Boxes	NA	YES
Dimension Interval	Sec	3
Surface Characteristics	NA	Stainless Steel
Orientation	NA	Object to be butted at Axis
Spacing	NA	NA
Operational Temperature	Celsius	5 to 55
Power	NA	230V
Barcode Scanner	NA	Wired 1D Scanner (Wireless and 2D Optional)
Interface with PC	NA	USB/Serial
Portable	NA	No (Optional)
Camera	NA	Optional
Printer	NA	Optional

# USPs OF CUBIZON SERIES



## INTEGRATED FLAPS

A unique feature unavailable on any other competing product in the market. These flaps come in extremely handy for measurement of irregular objects such as Pouches/Bags/Jiffys etc without the fear of misplacing the flaps ever.



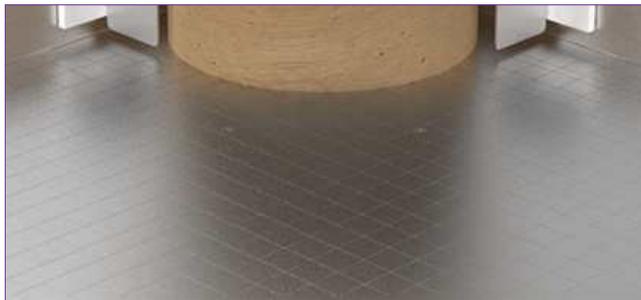
## VISIBLE LASER

Cubizon Series models rely on a high precision visible laser for dimension measurement. Unlike the measurement technologies used in most competing products, which are invisible and make them extremely difficult to detect in case of sensor misalignment, Cubizon series gives tremendous ease in troubleshooting.



## STAINLESS STEEL PLATFORM

Unlike painted steel platforms where the paint wears off over a period of time of regular use, Cubizon series models are equipped with Stainless Steel platform that guarantees much longer life and endurance.



## RULER GUIDE MARKINGS

To further strengthen the use of Integrated Flaps, Cubizon Series models come with high precision 1 inch ruler markings on the Stainless Steel platform that work as a guide for the operator while measurement of irregular shaped products.



## INTEGRATED CAMERA (OPTIONAL)

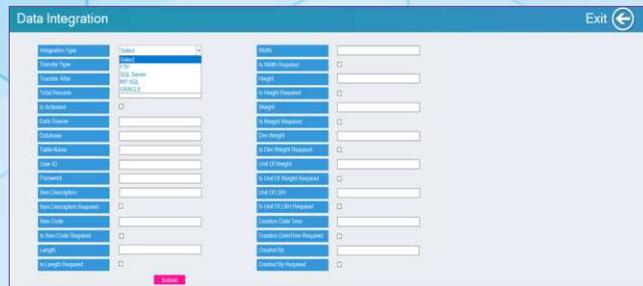
Cubizon Series models are designed with option to mount shipment imaging camera directly into the machine frame thereby eliminating the need for external camera mounts and frames that are required in most competing products.



## INTEGRATED MONITOR DISPLAY SCREEN (OPTIONAL)

Cubizon Series models are designed with option to mount display monitor screen directly into the machine frame thereby eliminating the need for external Screen stands that are required in most competing products. This makes the entire setup much more compact.

# STANDARD FEATURES OF CUBIZON SERIES



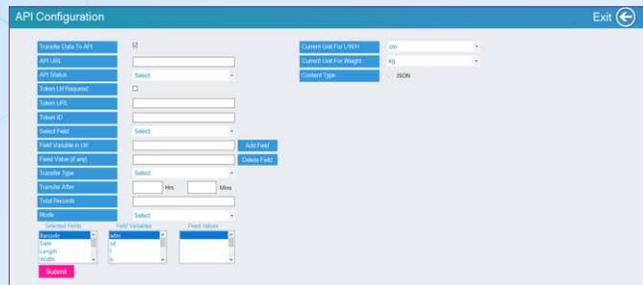
CAPABLE OF GIVING OUTPUT ON A HOST OF PROTOCOLS: SERIAL/TCP IP/ USB



CAN BE INTEGRATED WITH LABEL PRINTERS



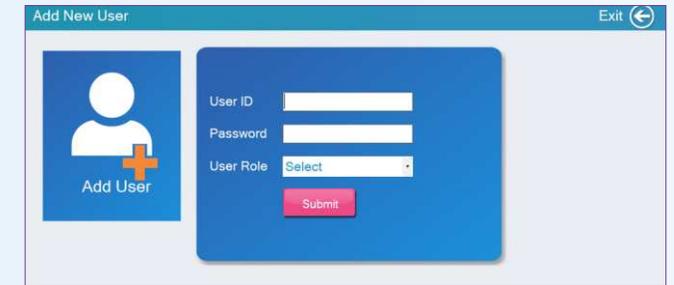
CAN BE INTEGRATED WITH 1D AND 2D SCANNERS



**CUBIZONE™**, THE SOFTWARE SUITE CAN COMMUNICATE WITH ALMOST ANY HOST SYSTEM OVER APIS/WEB SERVICES/ODBC

Operator Employee Id	Operator List	View Detail
E0001	test operator	<a href="#">View Detail</a>
SSN001021	Abhishek Kumar	<a href="#">View Detail</a>
SSN001264	Abhishek Singh	<a href="#">View Detail</a>
SSN000633	Ajay Kumar	<a href="#">View Detail</a>
SSN001167	Ajay Singh	<a href="#">View Detail</a>
SSN002577	Amit Kumar Jha	<a href="#">View Detail</a>
SSN000423	Aslam Ali	<a href="#">View Detail</a>
SSN002648	Atul Chauhan	<a href="#">View Detail</a>
SSN003106	Bhupender Singh	<a href="#">View Detail</a>

USER ID IS CAPTURED DURING SCAN DATA FOR USER PERFORMANCE TRACKING



USER PROFILE MANAGEMENT IS INBUILT IN **CUBIZONE™**



CUSTOMIZABLE UNITS OF DIMENSION AND WEIGHT



COMES WITH HIGH QUALITY DISPLAY INTEGRATED INTO THE MACHINE BODY

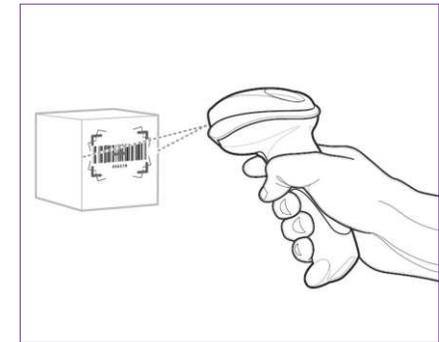
\*Integrated Display is available in Cubizon R-ECO. In all other models, external display can be added as an optional Add-On.

# CUBIZONE™

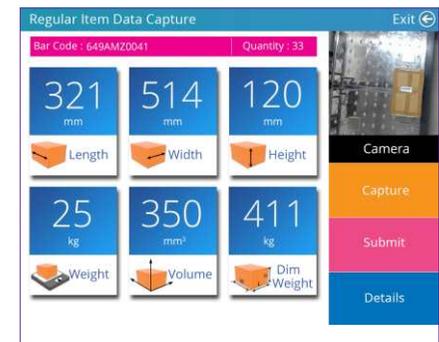
The Modern Day Software Engine developed by Falcon Autotech imparts unprecedented Capabilities to the Cubizon Series with functionalities such as:

## CUBIZONE™ ADVANTAGE

- 01 Seamless and Secure Data Integration with any WMS Systems/ ERP Systems/ Shipping Systems
- 02 Real Time Shipment Imaging
- 03 User Profile Management with Access Control Levels
- 04 Integration with Label Printers and Manifest Printers
- 05 Flexible Dimension and Weight Units
- 06 Direct Interface with WMS/ERP Package over APIS, ODBC
- 07 Data Integration via Cubizone Software
- 08 Data push directly into client's software over Hardware communication ports (Serial/USB/Ethernet)
- 09 Data Push directly into client's Browser Page without any third party apps for maximum future Flexibility
- 10 Global Dashboard Access for Automated MIS Reporting
- 11 Integration with Falcon Powered Sortation Systems



**BARCODE SCANNER**



**IMAGE & DATA CAPTURE**



**LABEL PRINTER**

# CUBIZON INSTALLATIONS AROUND THE WORLD

## Global Overview

Jan 2014 – March 2019

**475+** Installations



# GLOBAL BRANDS USING CUBIZON SERIES PRODUCTS

## Trusted by Over 50+ Companies WorldWide

We believe in quality and standard worldwide. Here is a gist of our esteemed Clients across various industry segments



## ABOUT US

The Group started out as a small bootstrapped team in 2004 with a mission of putting India on the map of Global Automation. Over the last decade, the organization has carved out a unique niche for itself across some of the world's most cutting edge technologies: Industrial Robotics, Sortation Systems, Conveyor Automation, Vision Systems and Industrial Internet of Things (IOT).

## OUR PRODUCT PORTFOLIO

- SORTATION SOLUTIONS
- CONVEYOR AUTOMATION SOLUTIONS
- DIMENSION AND WEIGHT SCANNING SYSTEMS
- PICK/PUT TO LIGHT SYSTEMS
- WAREHOUSE CONTROL SOFTWARE
- PACKAGING AUTOMATION SOLUTIONS

## INDUSTRY RECOGNITION



Falcon Autotech won the “**Best Warehouse Automation Company**” of the Year award at Express Logistics Supply Chain Conclave held in Mumbai in the Month of September 2015.

## OUR INTERNATIONAL PARTNERS

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