



VisAI Labs

5 STEP GUIDE TO BUYING AUTOMATED DIMENSIONERS THAT WILL ENHANCE FUTURE-READINESS





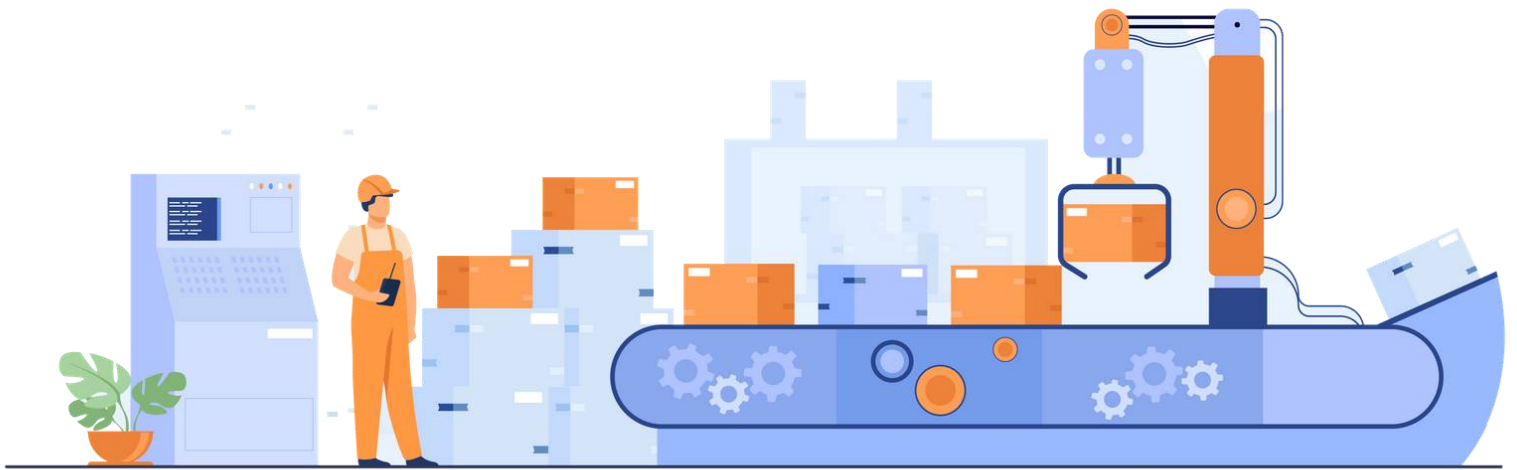
Table of contents

Gear up for the future	.....	3
Ready to enhance your future-readiness by choosing the right automated dimensioner?	.....	6
Types of dimensioners	.....	10
Choosing an ideal dimensioning system	.....	12
Ask yourself these questions before choosing a dimensioning system	.....	14
Ready to enhance your future-readiness?	.....	15
Conclusion	.....	20

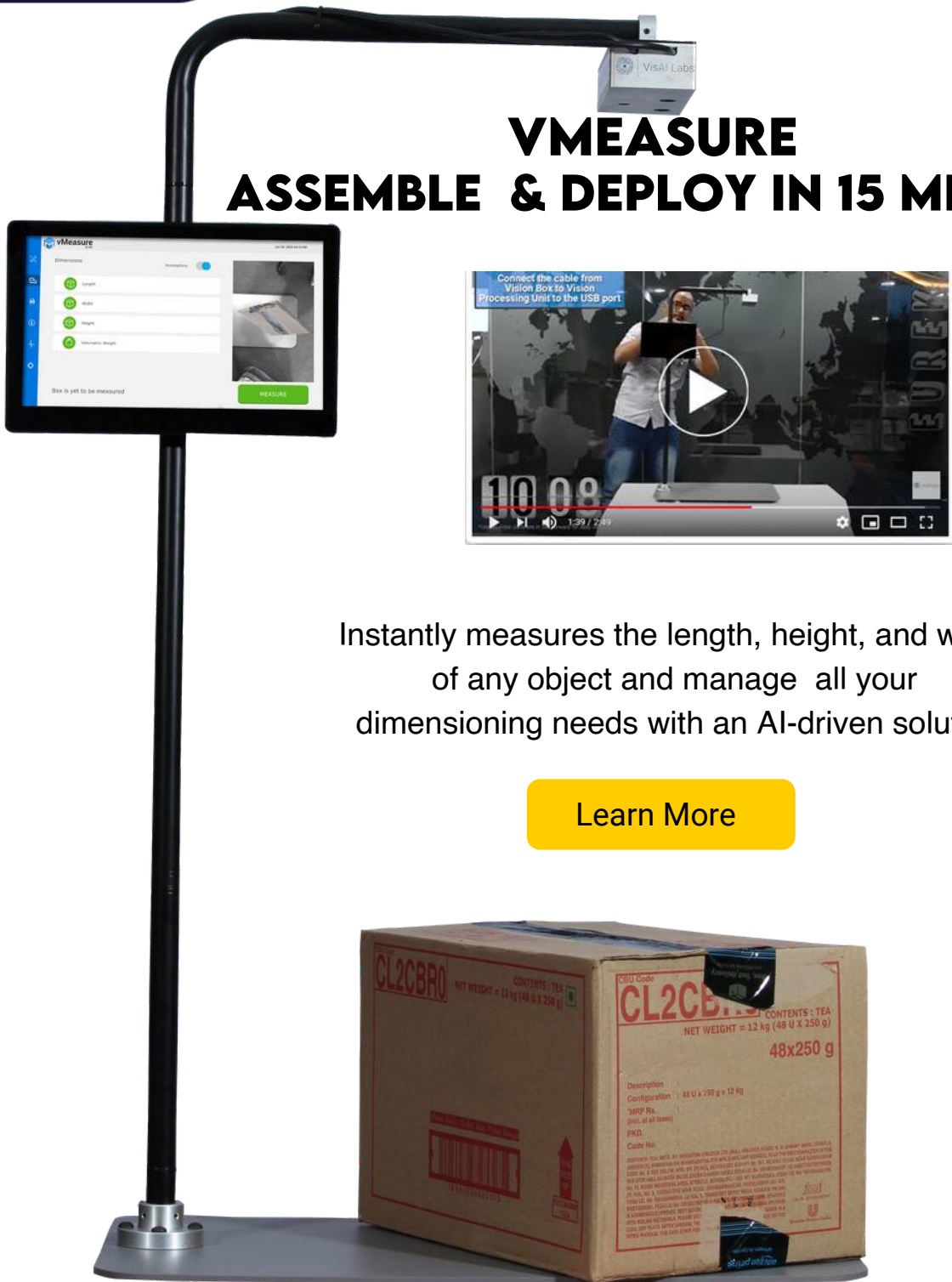


➤ GEAR UP FOR THE FUTURE

The corona pandemic has dramatically transformed the way people think, work, and live. It has pushed businesses to prioritize safety and business continuity. Irrespective of size and scale, companies have begun taking the online route to sustain, grow, and reach a broader customer base.



Recent Statista research projects that the global ecommerce retail sales will hit \$6.54 trillion by 2022. Hence online businesses need to extensively deploy ground-breaking warehousing technologies and expand capabilities to get ready for the future.



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READY TO ENHANCE YOUR FUTURE-READINESS BY CHOOSING THE RIGHT AUTOMATED DIMENSIONER?

Boost profitability, optimize price and space

Warehouses are the backbone of any product-based eCommerce business. They enhance the supply chain by efficiently fulfilling customer orders in multiple sizes, shapes, and weights.

When it comes to pricing, different products adopt different approaches. Some products mandate weight-based pricing, while some prices are decided based on size, volume, and other material attributes.



Hence warehouses need a robust automated framework to accurately and quickly measure attributes such as length, breadth, height, volume, and weight. These serve as a critical industry metric to fix the right price for the product.

In the world of eCommerce, space and time is money. Space optimization is critical if you want to achieve economies of scale and boost profitability. Automating dimensioning enhances space optimization and storage density by providing accurate measurement data. This precise information helps warehouse staff place items in apt locations that make warehouses as compact and ergonomically-efficient as possible.

Automated dimensioning technology proves to be a 'supernova' by optimizing pricing, space utilization, and effort. Deploying the right automated dimensioning system saves money and improves profitability and productivity.

Did you Know?

Logistic software Solution providers incorporate Automated dimensioning and edge AI into their solutions to improve warehouse productivity

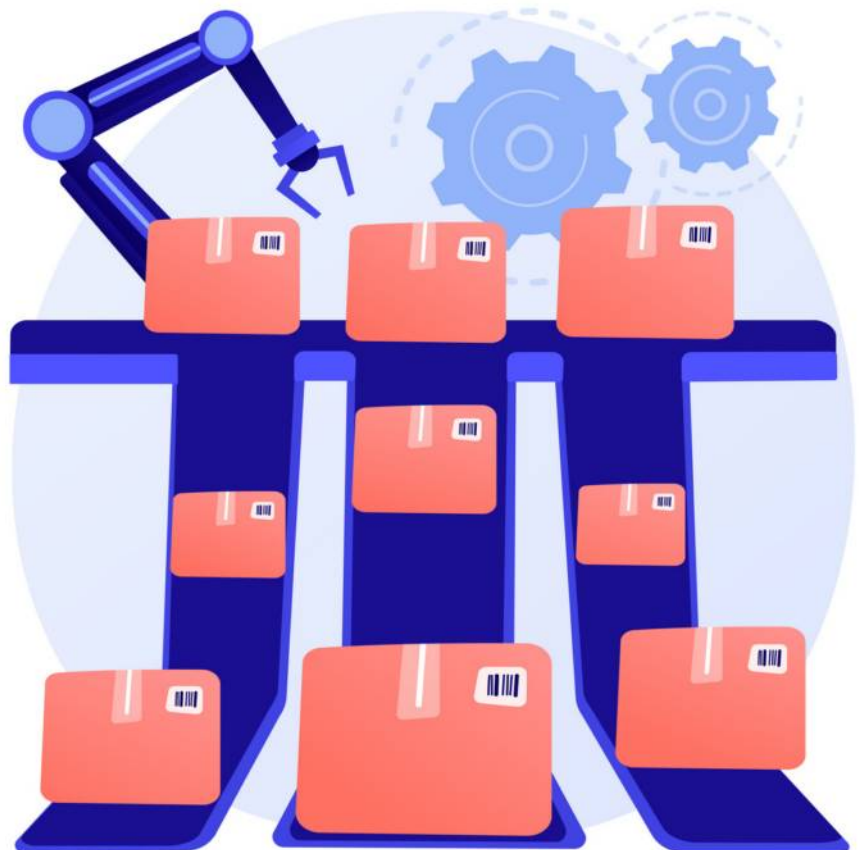
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Deploy powerful dimensioning tools

Automated dimensioning systems are powerful tools that simplify and hasten warehouse processes and procedures. By integrating effortlessly with innovations such as vertical lift systems, pick-to-light systems, and automated guided vehicles, they enhance supply chain functionalities, reduce operational costs, and contribute to higher profits.





Automated dimensioning systems ensure greater sustainability by reducing carbon footprint and wastage. They manage records electronically, identify the best packaging solutions, and reduce wastage on boxes, corrugate, dunnage, and packing materials.

Over the past few years, several dimensioning solutions have cropped up in the market. They measure the dimensions of any shape and size in less than a second and with mind-blowing accuracy.

Still, wondering if you need an automated dimensioning system?
Here are the key reasons why.

1. Accurately measure dimensional data
2. Capture a vivid picture of the package before it is shipped
3. Reduce time and cost barrier
4. Boost productivity and profitability
5. Create higher customer satisfaction





➤ TYPES OF DIMENSIONERS

Let us look at the two most-useful types of dimensioners.



Pallet dimensioners

Used to measure the precise volume of a package, the pallet dimensioners are the best fit for shipping businesses. They precisely calculate transportation charges based on the accurate load limit and enable shippers to steer clear from hidden costs.

The following are significant benefits of pallet dimensioners.



Measures irregular shapes :

If you have products and packages that come in irregular shapes with troughs and protrusions, you most certainly need this pallet dimensioner. Its sensor captures and measures all possible shapes accurately.



Enables hassle-free integration :

Pallet dimensioners can easily integrate with floor scales, forklift scales, and barcode readers for hassle-free operations.





Parcel dimensioners

Also known as 'package dimensioners,' the parcel dimensioner perfectly measures the weights and capture the product's picture in less than a second. This dimensional information is then utilized for space optimization and price fixation. These dimensioners are best suited for warehouse and distribution centers.

The following are significant benefits of parcel dimensioners.



Measures cubic and irregular packages:

Calculating the dimensions of packages of all shapes and sizes is simple with parcel dimensioners.



Flexible and easy to integrate:

The parcel dimensioner is flexible and easily integrates with other devices such as barcode readers, invoicing systems, and warehouse management systems.



Provides accurate measurements:

By eliminating human errors, this dimensioner calculates volumetric dimensions precisely.



Enhances speed and productivity:

By measuring and documenting the dimensions quickly, the parcel dimensioner accelerates shipping speed and quality.

This increase in productivity establishes a trustworthy relationship between businesses and their customers.



➤ CHOOSING AN IDEAL DIMENSIONING SYSTEM



The right dimensioning system plays a significant role in improving warehousing, inbound shipping, and outbound shipping.

Though deploying automated dimensioning systems may sound like a hectic task, it is quite indispensable if you want to increase profitability and reduce cost. So ensure you follow the pointers below to choose the ideal dimensioning system.



1. Decide which dimensioning system would be an ideal choice for your vertical and business need.
2. Look for dimensioning systems that comprise of user-friendly technology.
3. Provide training for warehouse personnel to understand and implement the dimensioners in a brief timeframe.
4. Choose dimensioners from companies that offer post-deployment support.

Did you Know?

Using Camera enabled Automated dimensioning solutions, you can use bolt-on AI applications for broken box detection or package optimization without additional investment?

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Conduct thorough research on installation and integration capabilities and support before narrowing down on your dimensioning system.





➤ **ASK YOURSELF THESE QUESTIONS BEFORE CHOOSING A DIMENSIONING SYSTEM**



What dimensions do I want to measure?

Firstly define what you are going to measure. It could be either small or big products, parcels or pallets, regular or irregular shaped packages, etc. By doing so, you can get a clarity of what sort of dimensioner you need to look out for.



How am I planning to utilize dimensional data?

Figure out how you plan to utilize the captured dimensional data. If you are a warehouse or a distribution center, or a logistics service provider, you can use the dimensions for space optimization, price fixation, and shipping. With dimensional data, you can easily decide if the products must be stored or shipped from warehouses to distribution centers.

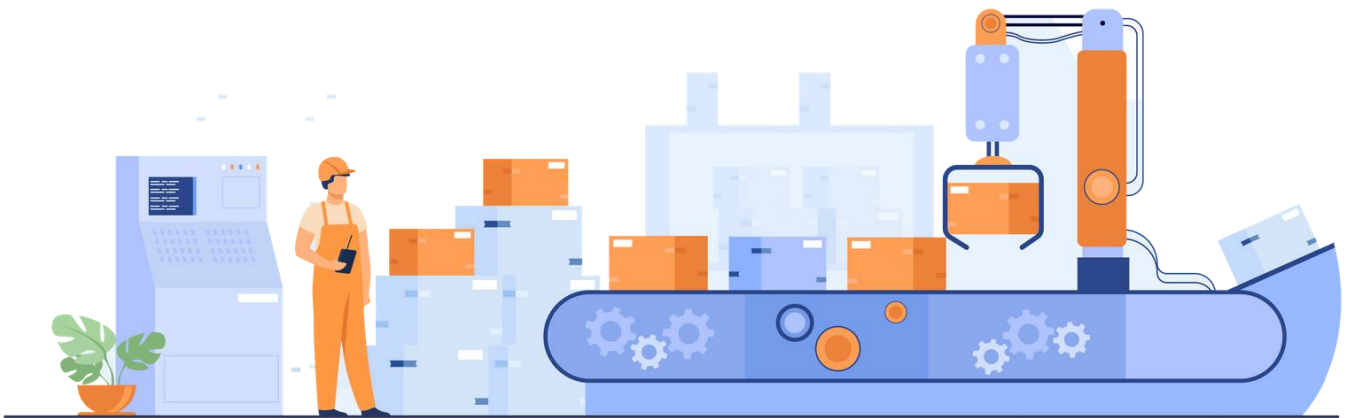


How much am I willing to spend on dimensioning equipment?

Yes, investment matters if you want your business to be future-ready. It will help if you are ready to invest in dimensioning equipment that will accelerate your growth. Ensure you also include your labor expenses.



➤ **READY TO ENHANCE YOUR FUTURE-READINESS?**



FOLLOW OUR 5 STEP GUIDE TO BUY AN AUTOMATED DIMENSIONER



Figure out the maximum and minimum length, width, height, and weight.

This understanding will help you identify what kind of dimensioner would best suit your workplace. Irrespective of your business's scale and size, you must decide on the maximum and minimum volumetric dimensioning requirements of your products.



How quickly the products need to be dimensioned?

Businesses need to possess exact estimations on the dimensioning time frame. They need clarity on the optimal dimensioning speed required to accelerate productivity and shipping. The overall speed of the dimensioning equipment and operating time are vital statistics that need to be considered to enhance your warehouse's productivity.



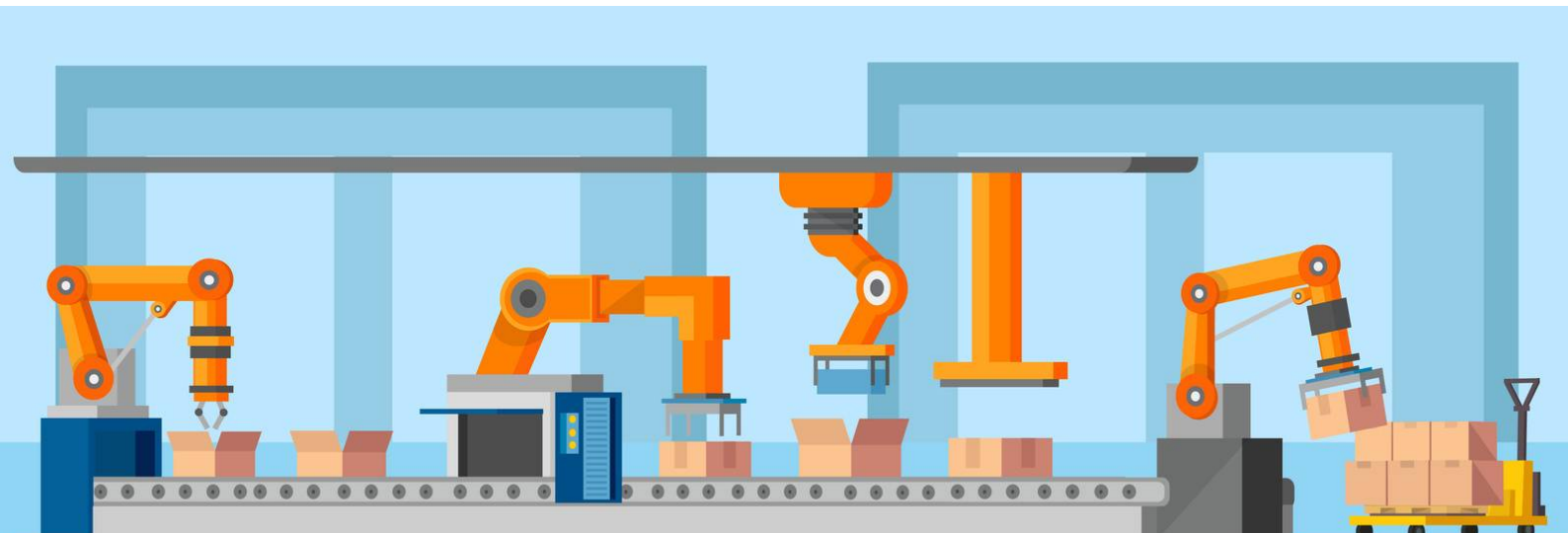
Add extra specifications to dimensions

Multitasking is a capability that every business, technology, or equipment require today. Automated dimensioners also need to fit the bill by handling additional tasks such as capturing item images, scanning barcodes, etc.,

Did you Know?

Automated dimensioning solutions built on Stereo-camera tech are faster and more accurate than other types of dimensioning systems

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VMEASURE PARCEL PRO S100 100 PARCEL IN 15 MINUTES INCLUDING LOADING & UNLOADING TIME



Instantly measures the length, height, and width of any object and manage all your dimensioning needs with an AI-driven solution

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Analyze the throughput capacity

The volume of the products shipped every day from the warehouse needs to be considered before choosing the dimensioner. This throughput is a significant element that helps understand warehouse operations. Depending on your throughput requirement, you can choose from these three types of dimensioning systems.



Small static dimensioning systems

Designed to measure cases and cartons, this small static dimensioner serves the retail, health, beauty, and apparel industries.



Large static dimensioning systems

Designed to measure pallets, large boxes, crates, and large odd-shaped items, these large static dimensioners suit logistic companies. They reduce labor efficiencies, increase speed and accuracy, and enhance real-time data transfer. By integrating easily with a digital camera, the large static system renders spotless product capture.





Conveyorized system

Also called an 'in-motion dimensioning system,' the conveyorized system can measure products at high-speed and accuracy. It can ship over 500 products across the globe per day. It also supports specifications such as automatic barcode scanning and printing for better productivity.



Select the right vendor

Choosing the right vendor is the last but most crucial phase of purchasing dimensioning equipment and technology. It incorporates considerations such as experience analysis, value addition, installation, integration, service, and support.



> CONCLUSION

In the future, all logistics providers and warehouses will need an automated dimensioning system to streamline operations, increase efficiency, lower costs, and boost profitability.

So, what about you?

Ready to be future-ready? Want to increase your profitability and cut costs?





CHECK OUT THE COMPUTER VISION ENABLED AUTOMATED DIMENSIONING SYSTEM FOR WAREHOUSES AND ORDER FULFILLMENT CENTERS



Minimum Dimensioning: 10x10x10 cm



Maximum Dimensioning: 50x40x30 cm



Accuracy

+/- 5 mm for cubes and cuboids

+/- 10 mm for non-cuboidal shapes

Dimension:



Cubes



Cuboids



Polybags



Tubes



Irregular shapes

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