



Exceptional equipment.  
Unmatched service.  
40+ years and counting.



# CENTRIFUGAL SIFTER

PRODUCT BROCHURE





We at Kanath Engineering have built a reputation for excellence through our continuous contribution to the engineering industry.

A place where industrial age build quality meets innovations in modern technology.

## AURUS

You may be familiar with our technical expertise in the manufacturing of processing machinery.

After having the opportunity to serve the pharmaceutical, nutraceutical, chemical, cosmetic, food, plastic and other allied industries, we now enter a new era of exponential improvement.

Introducing our new range of equipment, the AURUS machines.



## Clients

There is nothing we enjoy more, than satisfying clients that appreciate our philosophy of under-promising and over-delivering, far beyond expectation.

Our machines are known to be built like tanks, but we are always there to help, if things ever get troublesome.

## AURUS Centrifugal Sifter

Introducing the latest addition to our new, improved and highly-focused catalogue of exceptional engineering equipment.

This under-driven processing machine is all you will ever need to revolutionise your previous methods of sifting, sieving & separation.

A vital tool popular world over, it offers a performance perfect for size classification of a multitude of dry powders and bulk ingredients.



### Benefits

- ▶ Flawless screening and removal of foreign contaminants and other adulteration
- ▶ Break soft lumps into powders (deagglomeration) and remove oversized products (scalping) efficiently
- ▶ Minimise downtime through hygienic removal of dust and other fine residue from granular feed
- ▶ Effortless ownership experience due to minimal noise, heat and dust
- ▶ Ultimate value on investment with multiple variant options based on requirement



Interchangeable Screens for Better Precision

Easy to Dismantle and Clean

Castor Wheels with brakes for Safety



An efficient under-driven motor

Food-grade silicone rubber, PTFE teflon seals

Certified cGMP, CE, UL compliant

The AURUS Centrifugal Sifter is available primarily in multiple variants for scalable results. The Laboratory model consists a 0.75HP motor, while the higher production models are available in options of 2 & 5HP.

### Models

| Name     | UCS-LAB B       | UCS-20 B        | UCS-50 B        | UCS-75 B        | UCS-100 B        |
|----------|-----------------|-----------------|-----------------|-----------------|------------------|
| Motor    | 1               | 2               | 5               | 7.5             | 10               |
| Capacity | Upto 1000 Kg/Hr | Upto 2000 Kg/Hr | Upto 4000 Kg/Hr | Upto 8000 Kg/Hr | Upto 16000 Kg/Hr |

### Technical Specifications

|          |  |
|----------|--|
| Material | SS316L (contact)<br>SS304 (non-contact)  |
| Finish   | Mirror (interior)<br>Matt (exterior)   |
| Motor    | 2800RPM, 415V AC, 50Hz   |
| Optional | Additional Screens<br>Touch-screen control system<br>ATEX-complaint FLP electricals<br>Wash-in-Place, Clean-in-Place |

A solid, reliable machine for all of your sifting & sieving needs. Powerful and predictable, every single time.





## Food Industry

The centrifugal sifter has been a vital tool in the processing of a large variety of edible items like baby foods, baking soda, bakery & cake mixes, candy starch, cheese powder, chili powder, cocoa powder, dehydrated vegetables, dextrose, various flour, instant coffee, salt, soy meal, spices, sugar, etc.

## Pharmaceuticals

Due to its effectiveness in deagglomeration and sieving of bulk powders and granules, the pharmaceutical industry puts this equipment to optimum use.

The separation & classification of active pharmaceutical ingredients, miscellaneous fine powders and numerous other mixtures is possible thanks to the high-output of AURUS machines.



## Chemicals

The under-driven motor is more than capable in sifting chemical powders like calcium carbonate, fertilizers, fungicides, herbicides, detergents, epoxy resin, grit, paint pigments, powdered coal, powder coatings, silica, sodium bicarbonate, titanium dioxide, urea, ground hull and various other substances.

## Nutraceuticals & Cosmetics

Apart from the above industries, the health, beauty and well-being industry is another avenue where this equipment has proved to be quite useful. Especially in the manufacture & processing of supplements like glutamine, casein, BCAAs, powdered whey, & other proteins, multi-vitamins and cosmetics like mild powders, soaps, clay, talcum powder, etc.



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