



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

OCTAGONAL - BLENDER

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.



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 Octagonal Blender

The Octagonal Blender, offered by AURUS, is a highly efficient and versatile pharmaceutical machine designed specifically for production managers, quality heads, and machine operators in the pharmaceutical industry. It stands as a top choice for achieving uniform blending of dry powders and granules.



Benefits

- ▶ **Uniform Blending:** The octagonal shape and tumbling action ensure thorough and homogeneous mixing of powders and granules.
- ▶ **Gentle Mixing:** The tumbling motion of the octagonal blender is relatively gentle on materials, reducing the risk of damage or degradation to delicate powders and granules making it suitable for blending sensitive materials.
- ▶ **Versatility:** Octagonal blenders can handle a wide range of materials, including powders, granules, and small pellets.
- ▶ **Reduced Segregation:** The design of the octagonal blender helps minimize segregation of mixed components based on size, density, or other properties.
- ▶ **High Efficiency:** The efficient blending action often leads to shorter mixing times compared to other types of blenders.
- ▶ **Batch Consistency:** The ability to achieve consistent blending results across different batches helps maintain quality control and meet industry standards.
- ▶ **Cost-Effective:** The combination of durability, efficiency, and low maintenance can make octagonal blenders a cost-effective choice over the long term.
- ▶ **Adaptability:** The blender's design can be adjusted to handle varying batch sizes and blending requirements.



Enclosed rigid drive with reduction gear box and motor.

Fixed baffles provided for lumps breaking.

"A" type rigid structure of the machine with two sides resting of product container.

Charging hole with hinged lid with seal for charging and cleaning.

Product container having discharge with butterfly valve and man hole.

The AURUS Octagonal Bin Blender is designed to provide superior blending efficiency, available in a range of bespoke models to ensure precision and scalability for every application. With its unique octagonal design, this blender optimizes material movement, delivering consistent and homogeneous mixing across batches. For tailored solutions that exceed our standard offerings, we invite you to contact us for a custom approach crafted to meet your exact specifications.

Technical Specifications

Material	Finish	Motor	Safety	Optional
SS316L (contact) SS304 (non-contact)	240 grit Mirror (interior) 180 grit Matt (exterior)	1440RPM, 415V, 3-Phase AC, 50Hz Non-FLP Foot-mounted, Geared-type	Mechanical guard rails Overload-Protection relays	Touch screen control system. ATEX complaint Flame proof electricals Vacuum rated.

An essential, reliable machine for most of your blending needs. Powerful and predictable, every single time.

AURUS OCTAGONAL BLENDER

Models

MODEL NAME	Gross Volume(ltr)	Working Volume(ltr)	Weight(KG)
OCB-LAB-2	3	2	1.4
OCB-LAB-5	7	5	3.5
OCB-LAB-10	15	10	7
OCB-25	35	25	17.5
OCB-50	72	50	35
OCB-75	108	75	52.5
OCB-100	150	100	70
OCB-150	215	150	105
OCB-250	360	250	175
OCB-300	430	300	210
OCB-400	572	400	280
OCB-600	860	600	420
OCB-700	1000	700	490
OCB-800	1150	800	560
OCB-1000	1430	1000	700
OCB-1200	1720	1200	840
OCB-1400	2000	1400	980
OCB-1800	2580	1800	1260
OCB-2000	2860	2000	1400
OCB-2500	3580	2500	1750
OCB-3000	4300	3000	2100
OCB-3500	5000	3500	2450
OCB-4000	5720	4000	2800
OCB-5000	7150	5000	3500



Pharmaceuticals

A variety of powders and granules of several ingredients need to be mixed carefully to achieve the suitable dose of a pharmaceutical drug.

The AURUS Double-Cone Blender is thus extensively used in the blending of APIs with excipients like starch, cellulose, lactose, etc. in a homogenous manner.

Food Industry

The usefulness of this blender can be further witnessed in the preparation of whole foods and meals fit for consumption. Semolina flour, cake mixes, ground coffee, cocoa powder, chocolate flakes, powdered milk, baby food, dehydrated soup preparations, spices and seeds are just some of the examples.



Chemicals

The chemical industry uses a range of specific ingredients to produce dry powdered detergents, glass, ceramics, rubber compounds, soap flakes, explosives, plastics and many other materials.

Plant growth enhancers such as nitrogen, phosphorous and potassium are also blended together to form fertilizers using the AURUS Double-Cone Blender.

Nutraceuticals

Due to the increased awareness about health and nutrition these days, the consumer demand for dietary supplementation has exploded. Blending mixtures of unique compounds together in a precise, uniform manner is vital in the production of nutraceuticals like multi-vitamins, protein powders among many others.





Notes
