

The image shows a BUHLER TopPoly™ AVPH Polisher, a large industrial machine with a white cabinet and a control panel. The control panel features a digital display, several buttons, and two analog gauges. A circular fan with the BUHLER logo is visible on the front of the machine. The machine is set against a white background with a large, semi-circular graphic overlay in shades of yellow and green.

TopPoly™
Polisher.
AVPH

TopPoly™ Polisher.

The AVPH polisher has taken rice surface finish and brightness to a new level of perfection as never before. Buhler's expertise in rice milling solutions continues to be unmatched and keeps you well ahead of your competitors.

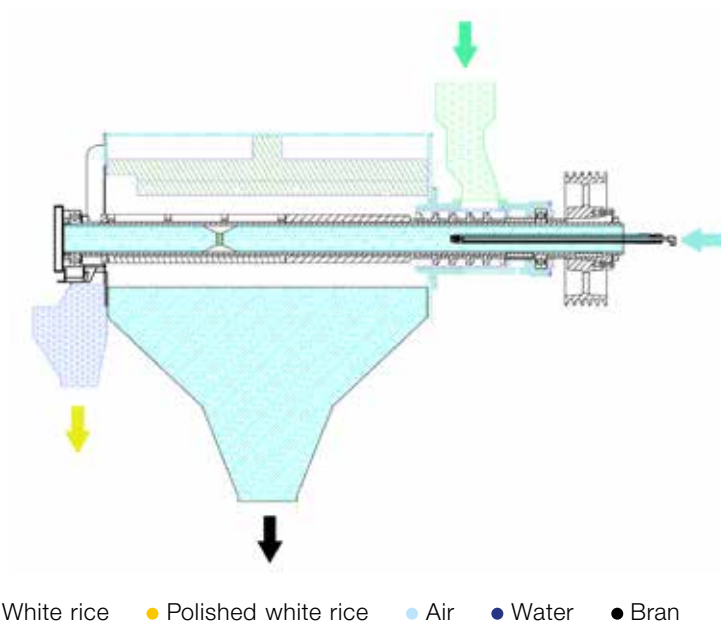


Purpose

The AVPH polisher is used in the final stage of milling process to produce rice with a smooth, dust free surface. After polishing, the rice resembles translucent crystals with no bran powder residue. This helps to retain the taste of rice effectively and also increases the product's shelf life.

Note: Before the paddy is processed into rice, stones and other impurities must be removed.





Principle

The polisher is equipped with polishing rollers and a strong aspiration system. Rice kernels are polished when they are gently rubbed against each other after being evenly sprayed with water. This process removes the bran powder and the outer layer of the rice, thereby improving the appearance, quality and the shelf life of the rice.

Function

The Top Polish™ processes rice in two stages on a single shaft.

Humidifier: The rice is evenly coated with a thin film of water. A well controlled water flow rate produces a uniform process.

Polisher: The glossy, pearl-like lustre is achieved by rubbing of the rice kernels gently against each other. The rubbing intensity can be adjusted. The aspiration cools the process and keeps the system clean.

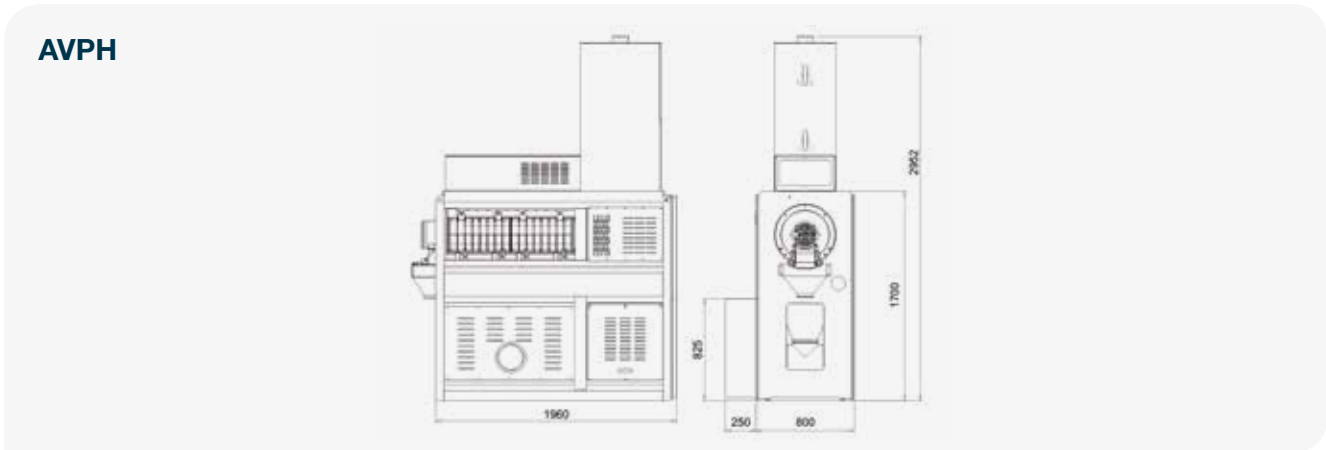
TopPoly™ Polisher.



Automatic water dosing system

A well controlled water flow rate and a uniform process are critical to achieve an excellent polish on the rice. This is taken care of by the automatic water dosing system which features fine programming of control points such as “water-on” at minimum load and “water-off” at overload.

TopPoly™ Technical data.



Dimensions, air and power requirements


AVPH

Capacity rice input (t/h)	4-6
Motor (kW)	55
Main shaft speed (rpm)	900
Air pressure (mbar)	15-25
Air volume (m ³ /min)	60-70
Water pressure	2-3
Compressed air	3-6

*Depending on the type of product and finished product quality
**Capacity as plant paddy input

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