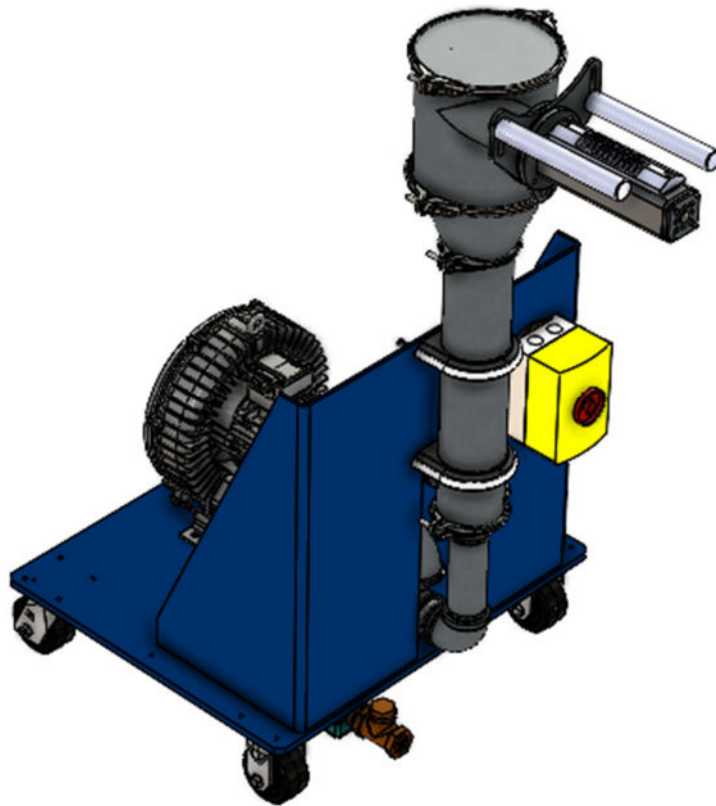


# **OPTIONAL EQUIPMENT & MACHINE SPECIFICATIONS**

## **PORTABLE VACUUM AIR KNIFE: EVAK-06**

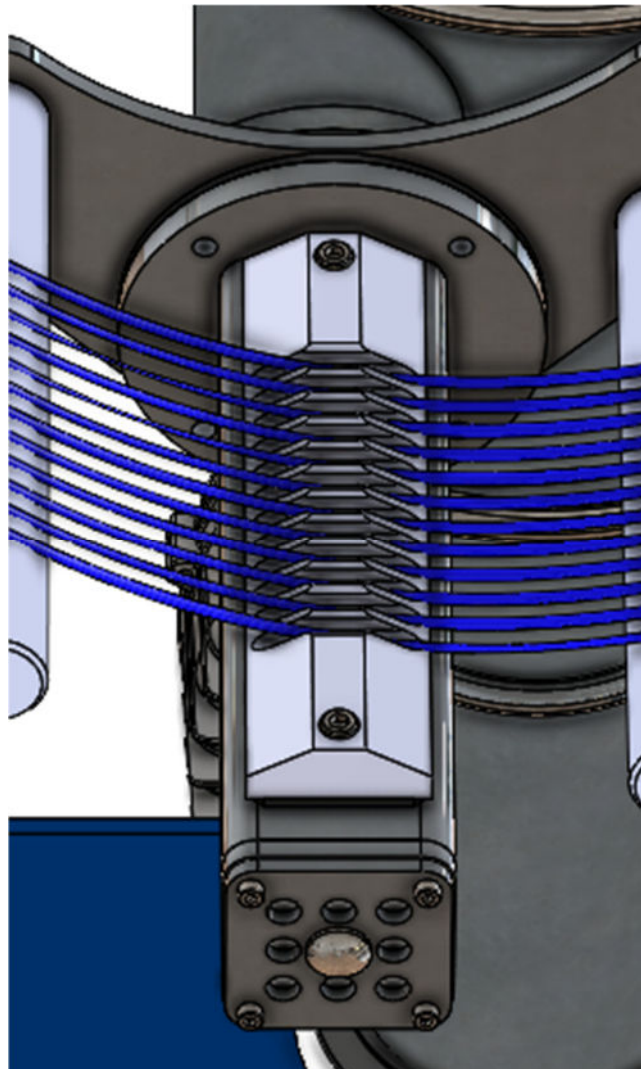


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## **EVAK SERIES - PORTABLE** **VACUUM AIR KNIFE**

The EVAK series vacuum air knife is not only designed to remove water from the strands, but control the water after it has been removed. A conventional air knife only blows the water off the strands, whereas the EVAK uses vacuum induced airflow to aid this removal. The specially designed cyclone separation system removes the water from the air and collects it before draining the water through a check valve. This water can then be reclaimed and re-used in the pelletizing system. The EVAK is designed with a, chrome coated, hardened stainless steel vacuum comb that allows each strand to occupy its own slot producing optimal water removal and control. To increase the effectiveness and compatibility of an EVAK, Bay Plastics Machinery offers many upgrade options.



## OPTIONAL EQUIPMENT

Every **EVAK-06** portable air knife has an array of standard options that can supplement your pelletizing operation. The **EVAK-06** is a versatile piece of equipment that can be utilized by any low strand count operation.

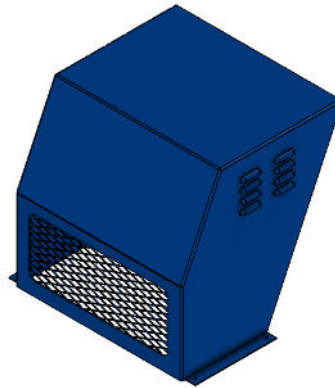
**Adjustable Head:** If your strand line has specific height requirements the adjustable head assembly is the answer with a standard height range of twelve inches. By simply removing the pin and loosening two handles the vacuum nozzle can be raised or lowered with ease.



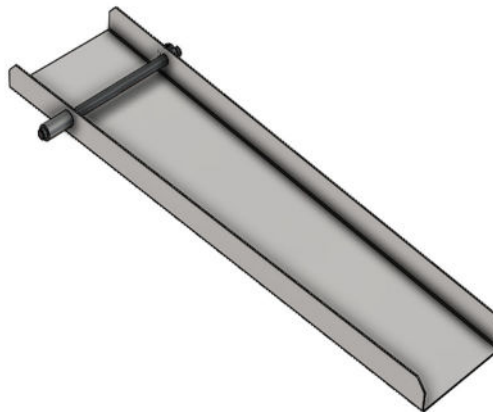
**Air Filtration:** Protect your **EVAK-06's** centrifugal blower by preventing debris from entering the system. Much like an air intake for a vehicle the air filtration option adds protection with low maintenance required. Saving money and creating minimal downtime for maintenance. This option includes an additional relief valve for blower protection, vacuum gauge, and performance air filter.



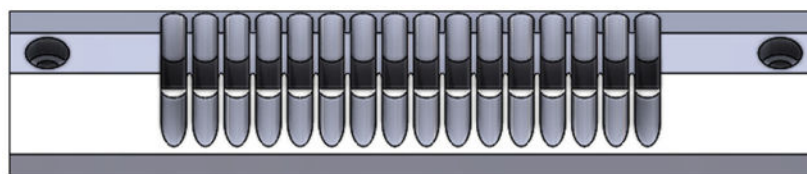
**Blower Cover:** Enclose the major components of your **EVAK-06** with the optional blower cover. Expanded metal as well as louvers helps dissipate heat during operation while the cover provides protection for internal parts, such as the centrifugal blower.



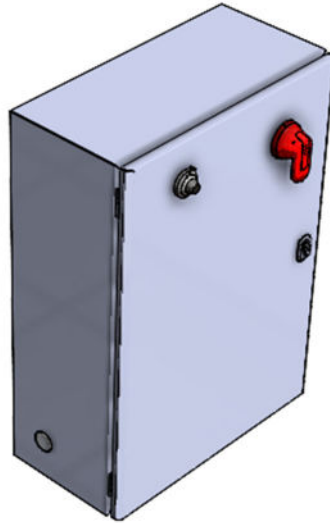
**Drip Tray:** The optional drip tray is free floating and hangs below the **EVAK-06's** strand contact surfaces. Creating contact between the **EVAK-06** and the water bath. Water from the strands making contact with the guide bar drips into the tray and is reclaimed back into the water bath.



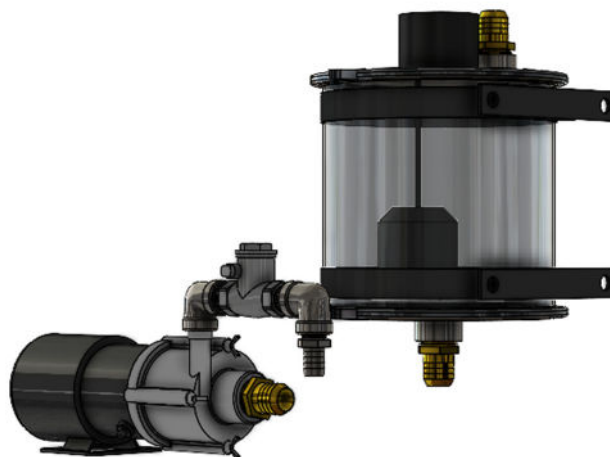
**Strand Combs:** Each **EVAK-06** comes standard with a twelve slotted strand comb made to strip water off strands up to an eighth of an inch in diameter. A range of slot counts are offered adding the ability to dry up to twelve strands at a time. For micro-strands, micro slotted strand combs are offered as well. Contact a BPM representative for a micro slotted strand comb tailored to your requirements.



**Variable Speed Vacuum Control:** When the full power of the centrifugal blower isn't needed variable speed control allows the operator to lower the blower speed. This allows for less power consumption and noise levels while operating. Some instances where full speed isn't necessary are when there is minimal melt fracture, micro strands, or fewer strand comb slots.



**Water Pump Return System:** Like the drip tray, the water pump return system reclaims water lost to contact with the strands exiting a waterbath. Replacing the standard gravity fed check valve where water can only be drained from the machine, the water pump return systems allows for water to be pumped back into the pelletizing system.



# MACHINE SPECIFICATIONS

Vacuum Knife Model		EVAK-06	
Usable Nozzle Width		5	inches
		127	Mm
Max Strand Count		16	N.A.
Standard Strand Centerline Spacing		0.375	inches
		9.5	Mm
Rated Strand Velocity		200	ft/min
		60	m/min
Tilting Vacuum Head Range	(+/-)	22.5	Deg
Blower Connection		Direct Coupled	N.A.
Vacuum Rating		28	in-H <sub>2</sub> O
		70	mbar
Airflow at Vacuum Rating		194	CFM
		330	m <sup>3</sup> /h
Blower Power	50hz	2.1	HP
		1.6	kW
	60hz	2.7	HP
		2.05	kW
Voltages Available		200,230,380,460	V

Max Strand Count For 1/8" [3mm] Diameter Strands, Count May Vary w/ Strand Diameter

## NOTES

This image shows a full page of white paper with horizontal grey ruling lines. The lines are evenly spaced and run across the width of the page, providing a template for handwriting practice or general writing. There are no margins, text, or other markings on the page.



Optional Equipment & Machine Specifications  
Version: 22.1

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