

# AIR-PORT

## FUME EXHAUST HOOD





## OUR MISSION

**“TO IMPROVE THE HEALTH, SAFETY,  
AND QUALITY OF PEOPLE’S LIVES  
BY BUILDING THE BEST DUST AND  
FUME COLLECTORS ON EARTH”**

IMPERIAL SYSTEMS, INC.

B R E A T H E B E T T E R , W O R K S A F E R



Not much has changed in the design of the welding hood, at least until now. The Air-Port eliminates the weaknesses of standard hoods. It also brings its own unique set of patent pending benefits seen nowhere else. For standard and robotic welding, the Air-Port offers the first true new innovations in welding hood design.

Other welding hoods stand on four or more legs that bend or break.

You can settle for poorly made or makeshift products. You can order hoods, which can have a ten week lead time and will still require you to cut and modify them onsite. Many take hours, several people, and even a forklift to install. Your new option is the Air-Port.

The Air-Port arrives ready to use. The ductwork is pre-installed into its two compact, low-footprint legs. Optional built-in spark

traps give you another industry first in welding hood safety. Adjustable dampers built into the hood make it easy to balance the air flow for your needs. With the arched hood shape, the Air-Port captures more smoke and fumes.

The Air-Port arrives on a pallet and can be installed by two people in less than an hour. Ductwork built into the cross beams hooks to your ductwork, with no holes to cut. The hoods can be lined up in a modular arrangement for a clean, efficient shop. The two-legged design leaves plenty of room to move around, so the Air-Port will not block people from getting where they need to be.





Traditionally, a Spark Trap is a supplemental piece of equipment that is added to the duct before a dust collector. The Spark Trap is integrated into the duct leg of the Air-Port Fume Exhaust Hood. If sparks in the airstream do enter the leg, 99.9% are eliminated by the integrated Spark Trap before reaching the collector.



**WITH AN INTEGRATED SPARK TRAP**



**WITHOUT AN INTEGRATED SPARK TRAP**

NFPA standards strongly recommend Spark Traps as part of a complete fire prevention system. Keeping sparks away from the dust in your collector is the first step to safely handling combustible dust, and an integrated Spark Trap can help you do that.



# AIR-PORT OPTIONS

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## Integrated Spark Trap

The integrated Spark Trap is a great option for any application that may produce sparks.



## Welding Curtain

The Air-Port can include a blue welding strip curtain to keep both your welders and anyone walking through your facility safe.



## Crane Slot

An opening in the hood allows cranes to easily enter and place heavy equipment beneath the hood.



## Internal Lighting

Optional lighting in the hood provides increased visibility for welders and those servicing robots.

# AIR-PORT INDUSTRY APPLICATIONS



**WELD CELLS**



**ROBOTIC WELDERS**



**CUTTING TABLES**



**TRADE SCHOOLS**

## VARIETY OF SIZES AVAILABLE FOR THE AIR-PORT

Standard heights are 8, 9 and 10 feet. Taller hoods may be available.

		POTENTIAL WIDTHS											
		4'	5'	6'	7'	8'	9'	10'	12'	14'	16'	18'	20'
POTENTIAL DEPTHS	4'	•	•			•		•	•				
	5'	•	•	•		•		•	•				
	6'	•	•	•	•	•	•	•	•				
	7'			•	•	•		•	•				
	8'	•	•	•	•	•	•	•	•	•	•	•	•
	9'			•	•	•	•	•	•	•	•		•
	10'	•	•	•	•	•	•	•	•	•	•	•	•
	12'	•	•	•	•	•	•	•	•	•	•	•	•

• Note that sizes marked with a darker dot may require ducting to both support legs.



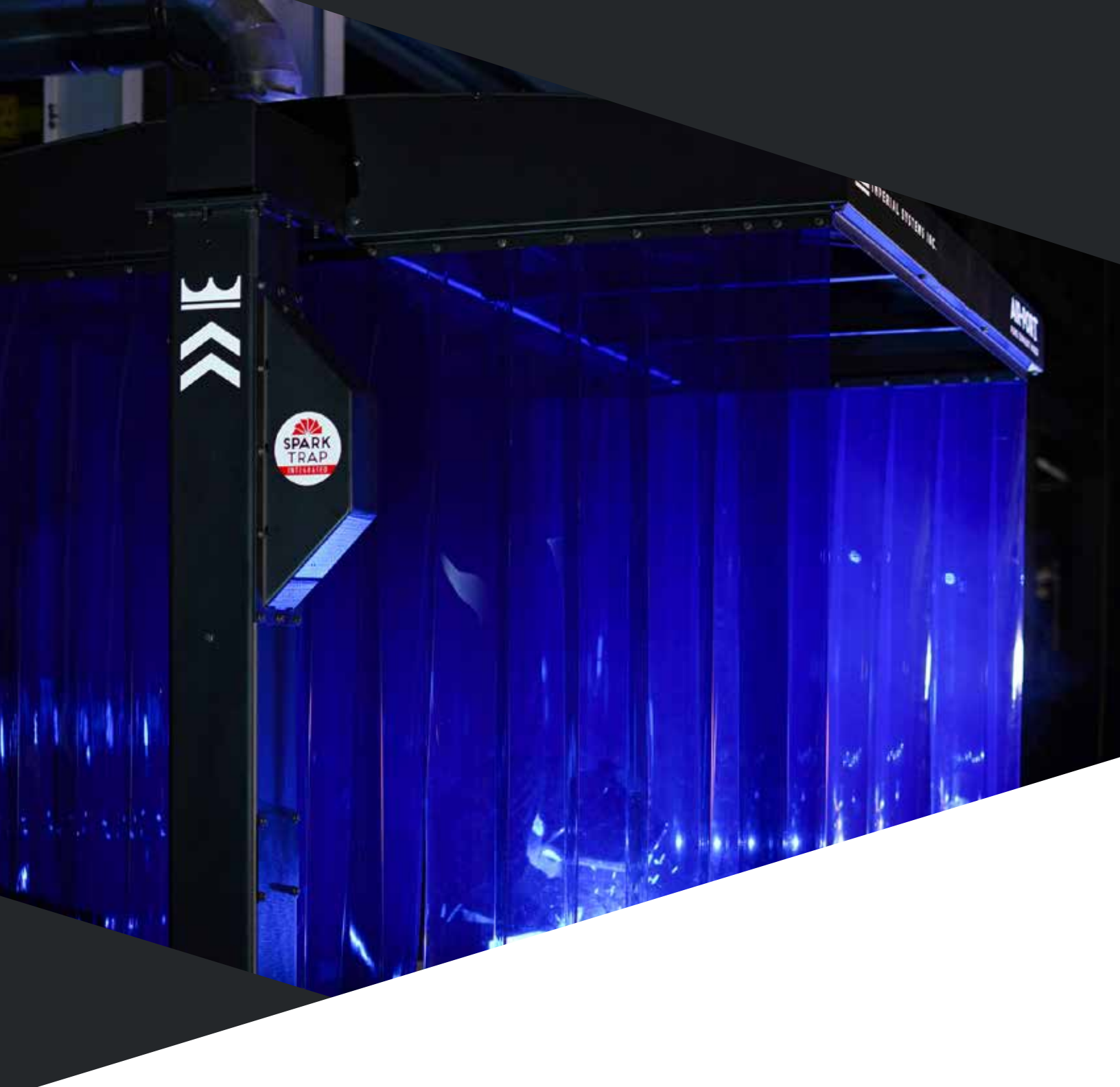
# SHADOW//

COMPACT FUME EXTRACTOR

The Air-Port fume exhaust hood is easily paired with The Shadow compact fume extractor. If the Air-Port is being used to collect non-combustible particulate, the Shadow may be the best option to contain and dispose of the dust.

The Shadow's small footprint makes it easy to situate next to an Air-Port for easy ducting. The simple install of both the Air-Port and the Shadow make it a quick solution to collecting weld fume.





**BREATHE BETTER, WORK SAFER**

**IMPERIAL SYSTEMS INC.**

**7320 West Market St.  
Mercer, PA 16137**

**800.918.3013**

**IMPERIALSYSTEMSINC.com**

