Kentucky Department of Military Affairs - Bluegrass Station

APPLICATION for

CONDITIONAL MAJOR PERMIT RENEWAL

Source ID # - 21-067-00032
Source AI # - 1022

October 2024

Kentucky Department of Military Affairs -Bluegrass Station
5751 Briar Hill Road
Lexington, Kentucky 40516

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EXECUTIVE SUMMARY

Bluegrass Station (BGS) is submitting this application for Permit Renewal of its existing Conditional Major Operating Permit F-19-027 R3, which expires June 1, 2025. BGS is located in Fayette County, Kentucky and operated by the Kentucky Department of Military Affairs. The site, which is owned by the Commonwealth of Kentucky, is a light industrial park that leases primarily to defense agencies and military contractors. Operations at the facility include processes which support military equipment maintenance and modifications, along with warehousing and equipment distribution. Currently permitted processes include spray paint application and touchup, metal coating using an Iridite process, blasting, boilers, and several emergency generators.

With this renewal application, BGS is proposing to add one insignificant activity: a new blast cabinet that will be used for aluminum parts and will have a PM control efficiency of greater than 99.97%. The new unit (IA65), which is scheduled for installation in November 2024, will be located in Building 221F. The blast cabinet is a Trinco model that will use the same Optiblast media that is currently used in existing blast cabinets onsite. The process will not emit any VOCs or hazardous air pollutants therefore only 401 KAR 59:010 will be the generally applicable regulation. A DEP 7007 DD form has been provided in this application, along with the manufacturer's information and specifications. BGS is also proposing to replace an existing blast cabinet used for steel parts at emission point EP05 located in Building 3E with a new model. Since the throughput rates and blast media will remain at the same levels, there will be no changes in emissions associated with the process.

BGS is also proposing to replace the steel tanks currently used in the Iridite II process at emission point EP24 located in Building 192 with polypropylene tanks. The new tanks will have a slightly smaller surface area however the estimated emissions associated with deoxidizing and trivalent chromium processes will remain the same as current levels. There will be no changes in throughput rates, make-up rates, or bath chemistries, therefore there will be no revisions to the emission factors currently used for emission calculations. The current anticipated installation date is November 19, 2024. A DEP 7007 T form has been included which shows the new dimensions of the propylene tanks.

Lastly, BGS is also proposing to replace a total of four downdraft tables with new, mobile units. The new tables will replace existing units EPX,EPX, EPX, and EPX. [Alternate: The existing units to be replaced have not yet been determined by BGS contractors. BGS will notify KDAQ which specific units will be replaced once the decision is made. The new models will have a Nano Fiber cartridge filter with a rated removal efficiency of 99.97%. The downdraft velocity is rated to exceed 250 feet per minute to provide essentially 100% capture efficiency. The types of materials used in the process and the throughput rates will remain unchanged. A copy of the manufacturer's specifications is included in the Attachment.

Conditional Major Status

BGS will continue to remain under the Conditional Major status of 90 tons for VOCs, 9 tons for individual HAPs and 25 tons for plantwide aggregate HAPs. BGS will also remain under its Air Toxics limits for Hexamethylene Diisocyanate and Chromium VI compounds as outlined in Section D of its Permit. BGS will continue to demonstrate compliance with regulatory limits through recordkeeping and monthly calculations of a twelve-month rolling average.

The following sections provide general facility location information, the applicable DEP forms, and Attachments which include vendor information for the new blast cabinets and downdraft tables.

The facility contact for BGS is Mr. Heath Tucker, Environmental Manager, (859) 293-4213.

FACILITY LOCATION

SOURCE : KGS	SITE AERIAL	August 2024	
	BLUEGRASS STATION		
	LEXINGTON, KENTUCKY		

SECTION 2 - DEP 7007 APPLICATION FORMS AI,T, DD

Division for Air Quality

300 Sower Boulevard
Frankfort, KY 40601
(502) 564-3999

DEP7007AI

Administrative Information

___ Section AI.1: Source Information
___ Section AI.2: Applicant Information
___ Section AI.3: Owner Information
___ Section AI.4: Type of Application
___ Section AI.5: Other Required Information
___ Section AI.6: Signature Block
___ Section AI.7: Notes, Comments, and Explanations

Additional Documentation

___ Additional Documentation attached

Source Name: Kentucky Department of Military Affairs - Bluegrass Station
KY EIS (AFS) #: 21- 067-00032
Permit #: F-19-027 (R3)
Agency Interest (AI) ID: 1022
Date:

Section AI.1: Source Information

Physical Location Address:	Street:	5751 Briar Hill Road				
	City:	Lexington	County:	Fayette	Zip Code:	40516
Mailing Address:	Street or P.O. Box:	Bluegrass Station Bldg. 18, 5751 Briar Hill Road				
	City:	Lexington	State:	KY	Zip Code:	40516

Standard Coordinates for Source Physical Location

Longitude: -84.33389 **(decimal degrees)** **Latitude:** 38-07611 (decimal degrees)

Primary (NAICS) Category: National Security **Primary NAICS #:** 928110

Classification (SIC) Category: National Security **Primary SIC #:** 9711

Briefly discuss the type of business conducted at this site: Classified - National Security. Permitted activities at the facility include spray painting, metal coating, metal blasting and sanding, parts washing, emergencies generators, boilers, fire pump, and air compressor.

Description of Area Surrounding Source: ☑ Rural Area ☐ Industrial Park ☐ Residential Area ☐ Urban Area ☐ Industrial Area ☐ Commercial Area

Is any part of the source located on federal land? ☑ Yes ☐ No

Number of Employees: 1,300

Approximate distance to nearest residence or commercial property: Abutting Properties

Property Area: 777

Is this source portable? ☐ Yes ☑ No

What other environmental permits or registrations does this source currently hold or need to obtain in Kentucky?

NPDES/KPDES:	☑ Currently Hold	☐ Need	☐ N/A
Solid Waste:	☐ Currently Hold	☐ Need	☑ N/A
RCRA:	☑ Currently Hold	☐ Need	☐ N/A
UST:	☑ Currently Hold	☐ Need	☐ N/A

Type of Regulated Waste Activity: ☐ Mixed Waste Generator ☑ Generator ☐ Recycler ☐ Other: _____ ☐ U.S. Importer of Hazardous Waste ☐ Transporter ☐ Treatment/Storage/Disposal Facility ☐ N/A

Section AI.2: Applicant Information

Applicant Name: Don Laskey Jr.

Title: (if individual) Deputy Director, Bluegrass Station Division

Mailing Address:
Street or P.O. Box: 5751 Briar Hill Road, Bluegrass Station Bldg. 18
City: Lexington **State:** KY **Zip Code:** 40516

Email: (if individual) donald.e.laskey.mil@army.mil

Phone: (859) 293-3203

Technical Contact

Name: Heath Tucker

Title: Environmental Manager

Mailing Address:
Street or P.O. Box: 5751 Briar Hill Road, Bluegrass Station Bldg. 18
City: Lexington **State:** KY **Zip Code:** 40516

Email: timothy.h.tucker2.nfg@army.mil

Phone: (859) 293-4213

Air Permit Contact for Source

Name: Heath Tucker

Title: Environmental Manager

Mailing Address:
Street or P.O. Box: 5751 Briar Hill Road, Bluegrass Station Bldg. 18
City: Lexington **State:** KY **Zip Code:** 40516

Email: timothy.h.tucker2.nfg@army.mil

Phone: (859) 293-4213

Section AI.3: Owner Information

☑ **Owner same as applicant**

Name:

Title:

Mailing Address:
Street or P.O. Box:
City: **State:** **Zip Code:**

Email:

Phone:

List names of owners and officers of the company who have an interest in the company of 5% or more.

Name	Position

Section AI.4: Type of Application

Current Status: ☐ Title V ☑ Conditional Major ☐ State-Origin ☐ General Permit ☐ Registration ☐ None

Requested Action: *(check all that apply)*

☐ Name Change	☐ Initial Registration	☐ Significant Revision	☐ Administrative Permit Amendment
☑ Renewal Permit	☐ Revised Registration	☑ Minor Revision	☐ Initial Source-wide Operating Permit
☐ 502(b)(10) Change	☐ Extension Request	☐ Addition of New Facility	☐ Portable Plant Relocation Notice
☐ Revision	☐ Off Permit Change	☐ Landfill Alternate Compliance Submittal	☑ Modification of Existing Facilities
☐ Ownership Change	☐ Closure		

Requested Status: ☐ Title V ☑ Conditional Major ☐ State-Origin ☐ PSD ☐ NSR ☐ Other: _____

Is the source requesting a limitation of potential emissions? ☑ Yes ☐ No

Pollutant:	Requested Limit:	Pollutant:	Requested Limit:
☐ Particulate Matter		☑ Single HAP	9 tons/yr
☑ Volatile Organic Compounds (VOC)	90 tons/yr	☑ Combined HAPs	22.5 tons/yr
☐ Carbon Monoxide		☐ Air Toxics (40 CFR 68, Subpart F)	
☐ Nitrogen Oxides		☐ Carbon Dioxide	
☐ Sulfur Dioxide		☐ Greenhouse Gases (GHG)	
☐ Lead		☑ Other	Hexavalent Chromium - 6 lbs/yr Hexamethylene Diisocyante - 0.19 tons/yr

For New Construction:

Proposed Start Date of Construction: *(MM/YYYY)* New Blast Cabinet 11/2024

Proposed Operation Start-Up Date: *(MM/YYYY)* 12/2024

For Modifications:

Proposed Start Date of Modification: *(MM/YYYY)*

Proposed Operation Start-Up Date: *(MM/YYYY)*

Applicant is seeking coverage under a permit shield. ☐ Yes ☑ No

Identify any non-applicable requirements for which permit shield is sought on a separate attachment to the application.

Section AI.5 Other Required Information

Indicate the documents attached as part of this application:

- ☐ DEP7007A Indirect Heat Exchangers and Turbines
- ☐ DEP7007B Manufacturing or Processing Operations
- ☐ DEP7007C Incinerators and Waste Burners
- ☐ DEP7007F Episode Standby Plan
- ☐ DEP7007J Volatile Liquid Storage
- ☐ DEP7007K Surface Coating or Printing Operations
- ☐ DEP7007L Mineral Processes
- ☐ DEP7007M Metal Cleaning Degreasers
- ☐ DEP7007N Source Emissions Profile
- ☐ DEP7007P Perchloroethylene Dry Cleaning Systems
- ☐ DEP7007R Emission Offset Credit
- ☐ DEP7007S Service Stations
- ☑ DEP7007T Metal Plating and Surface Treatment Operations
- ☐ DEP7007V Applicable Requirements and Compliance Activities
- ☐ DEP7007Y Good Engineering Practice and Stack Height Determination
- ☐ DEP7007AA Compliance Schedule for Non-complying Emission Units
- ☐ DEP7007BB Certified Progress Report
- ☐ DEP7007CC Compliance Certification
- ☑ DEP7007DD Insignificant Activities
- ☐ DEP7007EE Internal Combustion Engines
- ☐ DEP7007FF Secondary Aluminum Processing
- ☐ DEP7007GG Control Equipment
- ☐ DEP7007HH Haul Roads
- ☐ Confidentiality Claim
- ☐ Ownership Change Form
- ☐ Secretary of State Certificate
- ☐ Flowcharts or diagrams depicting process
- ☐ Digital Line Graphs (DLG) files of buldings, roads, etc.
- ☐ Site Map
- ☑ Map or drawing depicting location of facility
- ☐ Safety Data Sheet (SDS)
- ☐ Emergency Response Plan
- ☑ Other: ___ Mfr Information

Section AI.6: Signature Block

I, the undersigned, hereby certify under penalty of law, that I am a responsible official*, and that I have personally examined, and am familiar with, the information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the information is on knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment.

LASKEY.DONALD.EDWARD.JR.1376794411 Digitally signed by LASKEY.DONALD.EDWARD.JR.1376794411 Date: 2024.10.21 12:52:28 -04'00'

Authorized Signature

21-OCT-2024

Date

Donald E. Laskey Jr.

Type or Printed Name of Signatory

Deputy Director, BGS

Title of Signatory

*Responsible official as defined by 401 KAR 52:001.

Division for Air Quality	**DEP7007T**	**Additional Documentation**
300 Sower Boulevard	Metal Plating and Surface Treatment Operations	___ Provide SDS, technical support documents, or any emission factor sources
Frankfort, KY 40601	___ Section T.1: Process Information	___ Complete DEP7007A1, DEP7007N, DEP7007V, and DEP7007GG
(502) 564-3999	___ Section T.2: Process Tank Information	___ Attach flow diagrams
	___ Section T.3: Emission Factor Information	
	___ Section T.4: Notes, Comments, and Explanations	

Source Name:	**Kentucky Department of Military Affairs - Bluegrass Station**
KY EIS (AFS) #: 21-	**067-00032**
Permit #:	**F-19-027 (R3)**
Agency Interest (AI) ID:	**1022**
Date:	**Oct-24**

Section T.1: Process Information

Plating Line Name:	**Bullding 192 Tpye 2 Iridite Dip Tank**					
Proposed/Actual Start Date of Construction: *(MM/YYYY)*	**11/2024 - Replacement**					
Type of Operation:	☐ Continuous	☑ Batch	☐ Open	☐ Enclosed	☐ Flash	☐ Short-term
Operating Schedule:	**24**	**7**		**52**		
	Hours/Day	**Days/Week**		**Weeks/Year**		
Describe Type of Material being Plated or Treated:	**Miscellaneous Metal Parts**					
Type of Process:	☐ Chromium Anodizing	☐ Decorative Chrome	☐ Hard Chrome	☐ Trivalent Chromium Plating	☐ Cadmium	☐ Zinc ☐ Nickel ☑ Other
Describe Process:	**The Type II Iridite process is a trivalent chromium conversion coating process using a series of seven tanks which include cleaning, rinsing, deoxidizer, and chemical surface treatment.**					

Describe the Pretreatment Steps:	**Prior to the Iridite process, the metal parts are degreased in a separate parts washer. The parts washer uses a solvent (Q116) about 80% of the time and Isopropyl Alcohol about 20% of the time. The parts are then cleaned in the Ardrox 6333A tank followed by a hot water rinse.**
Describe Intermediate Steps:	**The parts are dipped in an initial deoxidizer tank and then rnsed twice.**
Describe Plating/Coating Process:	**The parts are treated with a Chemeon TCP-HF solution.**
Describe Finishing Steps:	**The parts are rinsed and placed in a drying rack to air dry.**
Describe Final Product:	**Chromium converted miscellaneous metal parts.**

Curing Ovens:	☐ Yes	☑ No	**If yes, complete and submit DEP7007B for each curing oven.**

Section T.2: Process Tank Information

Plating Line Name **Bullding 192 Tpye 2 Iridite Dip Tank**

VS

Emission Unit #/ Process Tank ID	Is the Tank Charged? (Yes/No)	SCC Code	SCC Units	Liquid Density (lb/ft^3)	Bubbles Radius	Surface Tension (lb_f/ft)	Raw Materials				Tank Design					Control Device/ Stack #
							Bath Component / Surfactant	Bath Concentration (lb/gal)	Maximum Hourly Make-Up Rate	(specify units)	Tank Temperature (°Fahrenheit)	Tank Volume (gallons)	Tank Surface Area (ft^2)	Rectifier Capacity (amp-hr)	Hood Flow (dscf)	
EP24/1	No	309-011-04	gal	64.9			Cleaner/ Ardrox 6333A	2.85	1	gal/hr	102-180	247	11			Exhaust Fan only
EP24/2	No	309-011-04	gal	62.4			Rinse Water	8.34	1	gal/hr	110-130	247	11			Exhaust Fan only
EP24/3	No	309-011-04	gal	68.2			Deox126 and H2SO4	Deox-0.75 H2SO4-1.53	1	gal/hr	75-95	247	11			Exhaust Fan only
EP24/4	No	309-011-04	gal	62.4			Rinse Water	8.34	1	gal/hr	110-130	247	11			Exhaust Fan only
EP24/5	No	309-011-04	gal	62.4			Rinse Water	8.34	1	gal/hr	110-130	247	11			Exhaust Fan only
EP24/6	No	309-011-04	gal	62.7			Chemeon TCP-HF	2.13	1	gal/hr	60-100	247	11			Exhaust Fan only
EP24/7	No	309-011-04	gal	62.4			Rinse Water	8.34	1	gal/hr	110-130	247	11			Exhaust Fan only

Section T.3: Emission Factor Information

Plating Line Name **Bullding 192 Tpye 2 Iridite Dip Tank**

Emission Unit #/Process Tank ID	Bath Component	Pollutant	CAS #	Emission Factor		Source of Emission Factor
				Value	SCC Units	
EP24/1	Ardrox 6333A	PM		0.52	lb/gal	SDS
EP24/3	Deoxidizer 126 & H2SO4	PM		1.02	lb/gal	SDS
EP24/6	Chemeon TCP-HF	PM		0.12	lb/gal	SDS
EP24/6	Chemeon TCP-HF	Trivalent Chromium Compounds		0.06	lb/gal	SDS

Division for Air Quality
300 Sower Boulevard
Frankfort, KY 40601
(502) 564-3999

DEP7007DD

Insignificant Activities

___ Section DD.1: Table of Insignificant Activities
___ Section DD.2: Signature Block
___ Section DD.3: Notes, Comments, and Explanations

Source Name: **Kentucky Department of Military Affairs - Bluegrass Station**

KY EIS (AFS) #: **21- 067-00032**

Permit #: **F-19-027 (R3**

Agency Interest (AI) ID: **1022**

Date: **Oct-24**

Section DD.1: Table of Insignificant Activities

*Identify each activity with a unique Insignificant Activity number (IA #); for example: 1, 2, 3… etc.

Insignificant Activity #	Description of Activity including Rated Capacity	Serial Number or Other Unique Identifier	Applicable Regulation(s)	Calculated Emissions
IA65	Aluminum Blast Cabinet, <1000lb/hr	Trinco Model 48x36/DP900-RPC	401 KAR 59:010	PM - PTE - 0..657

Section DD.2: Signature Block

I, THE UNDERSIGNED, HEREBY CERTIFY UNDER PENALTY OF LAW, THAT I AM A RESPONSIBLE OFFICIAL, AND THAT I HAVE PERSONALLY EXAMINED, AND AM FAMILIAR WITH, THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ITS ATTACHMENTS. BASED ON MY INQUIRY OF THOSE INDIVIDUALS WITH PRIMARY RESPONSIBILITY FOR OBTAINING THE INFORMATION, I CERTIFY THAT THE INFORMATION IS ON KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE OR INCOMPLETE INFORMATION, INCLUDING THE POSSIBILITY OF FINE OR IMPRISONMENT.

LASKEY.DONALD.EDWARD.JR.1376794411 Digitally signed by LASKEY.DONALD.EDWARD.JR.1376794411 Date: 2024.10.21 12:53:04 -04'00'

Authorized Signature

21- OCT- 2024

Date

By:

Donald E. Laskey Jr.

Type/Print Name of Siguatory

Deputy Director, BGS

Title of Siguatory

ATTACHMENTS

BLAST CABINET

TRINCO™
TRINITY TOOL COMPANY
Leader in Blast Cleaning Since 1951

34600 Commerce Road
Fraser, Michigan 48026
PH: (586) 296-5900
FAX: (586) 296-5836

TRINCO™ MASTER MODEL 36/BP

…with Trinco™ BP Dust Collector. Designed for intermittent blasting operations. The Trinco™ BP Dust Collector vacuums the dust and contamination from the cabinet. Media is recycled from the gun system to the hopper and back to the gun system.

Inside Depth:	24"
Width:	36"
Height:	23"
Overall Depth:	25"
Width:	38"
Height:	64"
Door Openings:	Two (2)
Front Opening Type Lid:	36" x 13 High"
Side Door:	17" x 11"
Shipping Weight:	340 Lbs.

- Ruggedly built of 14 Gauge welded steel
- Double flooring –Metal grate over steel screen
- Trinco™ Tungsten carbide nozzle
- Trinco™ safety enclosed foot valve blasting control
- Trinco™ fluorescent lighting to eliminate shadows and minimize energy usage.
- Trinco™ large 12"x24" safety glass window for excellent visibility
- Air pressure regulator and gauge
- Trinco™ easy change window frame
- Heavyweight rubber gloves, neoprene gloves optional
- 100 CFM, BP Dust Collector with 115V/60HZ/1PH motor

TRINCO™ DRY BLAST APPLICATIONS

The applications of Trinco™ Cabinets are virtually limitless • cleaning, deburring, decorating, deflashing, etching, finishing, honing, peening, etc. All of these uses and more con be accomplished easily with quick sweeps of the gun nozzle. Scale, corrosion, old paint and other surface materials are removed in minutes leaving metal surfaces free of foreign matter and contamination. Even tough mill scale is quickly and efficiently removed.

The usual operating pressure for the Trinco™ Dry Blast Cabinets is 85 PSI. The equipment utilizes a variety of abrasives such as Trin Mixes™, glass beads, aluminum oxide, silicon carbide, nut shells, etc. A multitude of finishes are possible ranging from a micro-finish to a coarse-grade finish depending upon the specific media used. Trinco™ Cabinets can apply the proper abrasive to provide the desired finish for each specific application.

Revised 4/02
web: www.trinco.com

TRINCO™

TRINITY TOOL COMPANY (2)

34600 Commerce Rd.
Fraser, MI 48026
(586) 296-5900

3 For sure
221 ? wait

[redacted]

QUOTATION # 19076

Date: 8/15/2023
Prices quoted are F.O.B.:
Fraser, MI 48026
Delivery: 5-6 weeks
Freight Terms: Collect

Order terms: 80% deposit

X 2—**Trinco™ Model 48x36/DP-900RPC Pressure Blast Cabinet with the following:**

- 14 gauge welded steel construction
- 48" Wide x 36" Deep x 36" High internal work area
- Dual 28" wide x 30" high side doors, double wall with heavy door handles & latches
- 1000 lb. capacity work floor with fine mesh screen and expanded metal grate
- 48 watt, 120V, ceiling mounted LED lighting
- One each, 12" high x 24" wide, tempered safety-glass viewing window
- One pair, 8" dia. x 30" long, cloth-lined neoprene blast gloves
- One each 3/4" Pressure regulator and auto-draining moisture filter
- One 1/4" I.D. Tungsten carbide blast nozzle with safety enclosed foot pedal control
- Abrasive separator with perforated vibrating particle screen mounted to welded steel stand
- 60° Cone, 1.27 cubic foot capacity pressure tank with heavy duty abrasive mixing valve
- Model 900RPC cartridge filter Dust Collector with 900 CFM rating, 2 hp, 230V, 1 PH motor Automatic reverse air pulse filter cleaning, dust drawer, Magnehelic Pressure gauge and filtering efficiency of 99.97% to ½ micron

Total: $18,555.00

Options: *(Prices subject to change)*

~~Rubber wear curtains on interior back and side walls of blast cabinet $750.00~~
~~Perforated steel plate work floor upgrade $1,020.00~~
~~Extra bright LED lighting upgrade #2-00382 $135.00~~
~~230/460V, 3 Phase electric package including magnetic motor starter, 120V transformer~~
~~2 hp motor, mounted and prewired in Nema 12 enclosure #2-00168 $2,445.00~~
~~Internal Urethane wear lining for Abrasive Separator #2-00223 $750.00~~
~~Heavy duty media conveying hose, 8 ft. x 5" dia #9-119/1-885 $232.00~~
~~Boron nozzle upgrade #9-02000 $150.00~~
~~28" Dia. 300 lb. capacity stationary manual turntable #1-72000 $1,350.00~~
~~Recommended spare parts as listed below $857.30~~

Recommended Spare Parts:

Part	Part No.	Quantity	Unit Price
Nozzle Washer	2-2055	1	$1.10 ea.
Media Valve Insert	9-0104	1	$22.00 ea.
Blast Gloves	2-2025	2 pr.	$40.00 pr.
Filter Cartridge	2-0350	2	$165.00 ea.
Media Sleeve	2-0097	1	$45.00 ea.
Plunger Valve	9-2037	1	$120.00 ea.

Lamp Shield	2-0062	2	$10.00 ea.
Nozzle Tungsten ¼"	2-2020	1	$51.00 ea.
Blast Hose	2-2054	12 ft.	$6.00 ft.
Underlayment	2-0192	10 pkg.	$6.95 pkg.
Glove Ring Liner	4-0115	2	$3.50 ea.
Quick Coupling	2-2052	1	$9.75 ea.
Safety Glass Window	2-0110	1	$29.95 ea.

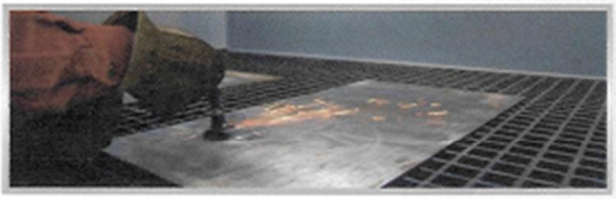
DOWNDRAFT TABLES

SELF CONTAINED CARTRIDGE DOWNDRAFT TABLE 48" X 72" SD46

APPLICATIONS: GRINDING, WELDING, CUTTING, BUFFING, POLISHING

PLUG AND PLAY DESIGN

The SD46 is a fully self contained downdraft table, meaning all you have to do is plug it in and go to work. Prewired from the factory (including LED light,) the table is designed to exceed 250 feet per minute of downdraft suction. Dirty air is run through a highly efficient Nano Fiber cartridge filter and clean air is exhausted to the left of the workstation.



BUILT IN TRIPLE PROTECTION SPARK ARRESTOR

For applications that involve sparks, we have pre-engineered 3 levels of spark protection. The first layer is a built in drop out tray for heavy slag. The 2nd layer is a wrap around all but the bottom 20% of the cartridge. The 3rd layer is the cartridge filter that is treated with a fire retardant coating.

FOOTPRINT:	72"W x 48" D x 70" T (75" w/caster wheels)
FILTRATION:	2 ea. 250 SF High efficiency Nano Fiber FR Cartridge Filter
MAXIMUM CFM:	6,000 CFM, 250 FPM Downdraft
MOTOR/BLOWER:	5 HP DirectDrive Blower
VOLTAGE/AMP:	208/230 or 460V 3 Phase (15.2 or 7.6 AMPS)
WEIGHT:	600 LBS
CONTROLS:	Starter/overload prewired
CABINET/FINISH:	12 G welded steel finished w/Superior blue paint inside & out

EFFICIENT

The cartridge filter is self cleaning at the push of a button with compressed air and effectively removes dust at 99.97% efficiency.

OPTIONAL PAINT SETUP AVAILABLE

SEE IT IN ACTION

Scan this code with your smartphone or visit: https://goo.gl/NyZjis

SUPERIOR

SUPERIORAIRPRODUCTS.COM

TEL: 877-411-1859
EMAIL: info@superiorairproducts.com