



# MBA

Mediablaster®  
Cabinets By:

**MEDIA BLAST®**  
MADE IN THE USA

591 W. Apollo St., Brea CA.  
92821 (714) 257-0484  
[www.mediablast.com](http://www.mediablast.com)

## Tornado Down Draft Work Benches

Media Blast® offers many different configurations for the collection of Nuisance Dust using down draft work bench airflow design that can also be a standalone work table less dust collector seen in the Tornado Work Table design.

Build your own custom Tornado configuration using simple questions you ask yourself about how best to capture the dust created by your exact application using the modular three basic sections. The bottom is the dust collector, mid-section is the table size and top is the dust capture configuration.

1. Decide on the width of the bench, 36-inches or 47-inches. This is both the width of the bottom dust collector section and the width of the work table.
2. The Tornado has two filter area sizes, Single 220 square foot cartridge filter or Dual 440 square feet of cartridge filter.
3. The next decision to make is the depth of the work table you work on; this is called the mid-section and has the composition bar grates that move up and down inside the mid-section and boost velocity speed at the table top by closing off 50% of the open area. The mid-section can be stand-up or front overhang allowing sit-down operation. The mid-section can be many different depths, 24", 30", 36" or 44" deep with a tapered front overhang allowing for sit-down operation.
4. Next you decide on the top configuration, Open Top with sides and back pulling air down and away from the operator for easy dust control or the Enclosed Top with Hinged Plexiglas for tougher dust control.
5. Last is the decision about the blower size and voltage, 700 cfm 120-volt blower for portability is standard or the larger 1100 cfm high voltage blower for tougher dust control.
6. Media Blast can help you with the right combination of the five decisions that create many different models; each added section bolts to the next section at the factory allowing many different sizes and combinations.

Pro Tip: Table top velocity is measured at the surface of the work grates. The actual open is reduced by the grates and perforated overlay to produce the exact table top velocity at the surface. All Tornado units use smart flow bench design to use the design to capture the free floating particles.

Tornado includes both Open Top Models and Enclosed Top Models. All Tornados are standard with the more portable 700 cfm blower but the optional 1100 cfm blower is also available on almost all sizes except the single 220 square foot filter models.

### SPECIFICATIONS for only some of the many models

MODEL	WORK TOP	FILTER TYPE	STD. BLOWER
PC 32	36W x 24D	single cartridge	700 cfm 120 Volt
PC 42	47W x 24D	single cartridge	700 cfm 120 Volt
PC 3630	36W x 30D	dual cartridge	700 cfm 120 Volt
PC 3644	36W x 44D	dual cartridge	700 cfm 120 Volt
PC 3636	36W x 36D	dual cartridge	700 cfm 120 Volt
PC 4730	47W x 30D	dual cartridge	700 cfm 120 Volt
PC 4744	47W x 44D	dual cartridge	700 cfm 120 Volt
PC 4736	47W x 36D	dual cartridge	700 cfm 120 Volt

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All the above models are available in "PCE" models indicating Enclosed Top, PC model number indicate Open Top design with sides and back for airflow direction.

Optional 2 HP 1100 cfm blower is available on all dual cartridge units that contain 440 square feet of filter surface area.

All Models are also available in **Tornado Work Table Models**, less the dust collector, for connection to larger central dust collector. All "PCW" and "PCEW" Work Table Models have dust collection hoppers and duct outlet sized for connection to existing central dust collector or wet dust collector.

## The Tornado™ Pollution Control Down-Draft Work Bench and Work Tables Includes Three Modular Sections for many different configurations



### PCE 4744

1. 47" wide bottom dust collector base
2. Dual Cartridge 440 square foot filters
3. Mid-Section, 44" deep with 17" front tapered sit-down or stand-up operation
4. Enclosed Top Section with hinged view panel, Plexiglas Std., for easy part load and unload
5. Optional 2 HP 1100 cfm blower available for higher dust capture velocity

### 3 Bolt-Together Sections

- 2 Tops Configurations
- 2 Blower Sizes
- Different Table Top velocities



### PC 4730

- 47" wide bottom dust collector base
- Single Cartridge 220 square foot filter
- 30" deep work table with 6" front tapered sit-down or stand-up operation
- Open Top with back and side air direction design
- 700 cfm 120 volt blower for portable operation

### ALL TORNADO PC AND PCE MODELS INCLUDE

- 120-volt 700 cfm blower standard or optional high voltage 1100 cfm blower upgrade (class III pressure blower)
- 12- & 14-gauge CRS welded construction
- Catalyst paint, low VOC
- Toe kick for stand up and sit-down operation
- Fiberglass bar grating with perforated metal for increased top velocity
- LED cabinet lighting
- 200 to 500 standard table top velocity, bench size and blower size determine
- Cartridge(s) maintenance and service door
- Exhaust blower silencer
- Removable dust storage pan
- Open top or Enclosed Top models
  - Hinged Plexiglas view panel with enclosed top models
  - Side panels with back on open top models

Other Available Options Include: HEPA After Filter, Casters, Steel Bar Grates, Rubber Dipped Grates, Fixed Turntable, Safety Glass View Panel, Magnahelic Monitor Gauge, Sound Panels and More....

**Need Help? Call Us! 714-257-0484 or 866-204-7068 – Visit our Industrial Website for more models**

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## SELF-CONTAINED TORNADO PC H/D (Heavy Duty)

### Tornado Down Draft Work Benches

Media Blast® offers many different configurations for the collection of Nuisance Dust using down draft work bench airflow design that is also a standalone work table. The Tornado PC H/D, (Heavy Duty), has been designed and constructed to hold the heavy weights you find with larger steel and cast iron parts.

The Tornado Pollution Control Down-Draft Work Bench is self-contained offering one of two blower cfm air volumes. Choose from 4000 or 6000 CFM blower and the cost will include either 4 or 6 flame-retardant cartridge filters for a total square feet of 880 or 1320. The 36120 H/W has an internal structural steel frame to support heavy loads. You can load the work table using an overhead lifting hoist. The design for down-draft uses the back and sides to create down-draft away for the operator.



#### INCLUDED WITH EVERY TORNADO PC H/D

- 4000 or 6000 cfm backwards curve blower
- Single power source electrical, 230 or 460 3-phase
- 880 or 1320 square feet of fire-retardant filter cartridges, 4 or 6 each
- Magnahelic filter monitor gauge
- Air filter cartridge balanced manifold
- Onboard fire extinguisher
- Structural steel inner support frame
- Catalyst paint, low VOC
- Toe kick for stand-up operation
- Removable steel tubing work grate bars
- 200 to 400 fpm table top velocity
- 100 to 200 fpm down-draft velocity
- Cartridge maintenance and service access panels
- Vertical exhaust blower silencer
- Variable speed motor sheave
- Removable dust storage pans
- Side panels

### Tornado PC 36120 Heavy Weight

Tornado includes an Open Top with air directional side and back panels. The PC H/D will include the 4000 or 6000 cfm blower with vertical silencer and 880 or 1320 square feet of fire-retardant filter cartridges.

#### SPECIFICATIONS

MODEL	WORK TOP	FILTER TYPE	BLOWER
PC 32120 H/W	36"D x 120"W	Cartridge	B Curve

#### OPTIONS:

- **Pivoting side panels**
- **LED flood lighting**
- **Filter cleaning assembly**

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## Tornado Down Draft Work Tables

The Tornado Pollution Control Work Tables from Media Blast® are simple, well-designed down draft airflow stations used for the collection of grinding, sanding, deburring and more using a central dust collector or wet scrubber located at the rear of the bench.

These units do not include the internal dust collector but do include the lighting, grating and collection hopper and duct attachment outlet for connection to any external dust collector.

The Tornado Work Tables are portable, compact and cost effective solutions to custom workstation. The Tornado Work Tables are designed to create higher table top air velocities using smarter airflow and great cabinet design.

1. First decide on the width of the bench, 36-inches or 47-inches. This is both the width of the bottom collection hopper and the width of the mid-section of the work table.
2. The next decision is the depth of the mid-section or work table you work on, this mid-section has the composition bar grates that move up and down inside the mid-section. The mid-section can be stand-up or front overhang allowing the operator to sit-down during operation. The mid-section can be many different depths, 24", 30", 36" or 44" deep with a tapered front overhang allowing easy sit-down operation.
3. Last you decide on the top configuration, Open Top with sides and back pulling air down and away from the operator for easy dust control or the Enclosed Top with Hinged Plexiglas for tougher dust control.

All Work Benches include LED lighting, Composition Bar Grating and 120 volt bench operation.

Tornado includes both Open Top Models and Enclosed Top Models. All Tornado's come standard with 4, 5-, 6-, 7- or 8-inch hopper outlet for attachment to external dust collector.

### Specifications

MODEL	WORK TOP	OVERALL
PCW 32	36W x 24D	52" x 30" x 52"H
PCW 42	47W x 24D	65" x 30" x 60"H
PCW 3644	36W x 44D	36" x 59" x 60"H
PCW 4744	47W x 44D	47" x 61" x 60"H
PCEW 32	36W x 24D	52" x 30" x 60"H
PCEW 42	47W x 24D	65" x 30" x 60"H
PCEW 3644	36W x 44D	36" x 59" x 60"H
PCEW 4744	47W x 44D	47" x 61" x 60"H

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All the above models are available in "PCW" models indicating Open Top or PCEW indicating Enclosed Top configuration.

All "PCW" and "PCEW" Work Table Models must be attached to external dust collector or wet scrubber.

## The Tornado Pollution Control Down-Draft Work Tables Include Three Sections



### PCEW 32

1. 36" wide bottom work table base
2. Mid-Section, 24" deep x 36" wide
3. Enclosed Top Section with hinged view panel, Plexiglas, for easy part load and unload
4. 4, 5, 6, 7 or 8 inch outlet

- 3 Bolt-Together Sections
  - 2 Tops Configurations
  - 2 Blower Sizes



Tornado Down-Draft Work Table Can Be Attached to Wet Scrubber for Aluminum Dust, or Central Collectors

### ALL TORNADO PCW AND PCEW MODELS INCLUDE

- 120-volt operation
- 12- & 14-gauge CRS welded construction
- Catalyst paint, low VOC
- Toe kick for stand up and sit-down operation
- Fiberglass bar grating with perforated metal for increased top velocity
- LED cabinet lighting
- 200 to 400 standard table top velocity
- Dust Collection Hopper with required duct outlet ring
- Open top or Enclosed Top models
  - Hinged Plexiglas view panel with enclosed top models
  - Side panels with back on open top models