

Chip Vac™

Vacuums chips directly into a 55 gallon open-top drum with no moving parts.

What Is The Chip Vac?

EXAIR's Chip Vac picks up dry or wet chips and delivers them directly to an ordinary 55 gallon open-top (45 imperial gallon/205 liter) drum. The Chip Vac is used to clean chips from fixtures, floors and work surfaces of machining centers, lathes, saws, mills and other industrial equipment. The powerful suction is ideal for fast and efficient cleaning.

EXAIR's new Mini Chip Vac System delivers the same cleaning power for small jobs. It comes complete with a 5 gallon drum and all the tools.

Why The Chip Vac?

The compressed air operated Chip Vac is an industrial duty vacuum designed specifically for vacuuming chips. It creates a cyclonic action that vacuums metal, wood or plastic chips into a drum. Dusty materials such as absorbents are trapped by the 0.1 micron filter bag to keep the surrounding air clean.

Electrically operated "all purpose" vacuums aren't designed for use in industrial environments. As a result, motors wear out quickly and impellers clog. The Chip Vac has no moving parts to wear out or break which ensures long life. Sound level is half that of electric vacuums.

The Chip Vac's lever lock drum lid fits an ordinary open-top 55 gallon drum. In less than a minute, the Chip Vac can be removed and easily placed onto another drum to keep different materials separate for recycling. Constant heavy lifting and dumping of vacuum cleaner tanks is eliminated since all chips are vacuumed directly to the 55 gallon drum.

Applications

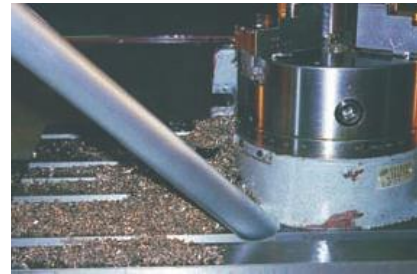
- CNC's
- Lathes
- Saws
- Mills
- Drills
- Grinders
- Routers
- Molding machines
- Absorbent pick-up

Advantages

- No moving parts
- Low cost
- No motors to clog or wear out
- No electricity
- Dust free operation
- Chips go directly into a drum
- Powerful cyclonic action
- Includes accessories
- 50% quieter than electric vacs



EXAIR's new Mini Chip Vac allows for easy clean up of small messes.



The Chip Vac removes abrasive stainless steel chips from a CNC mill.



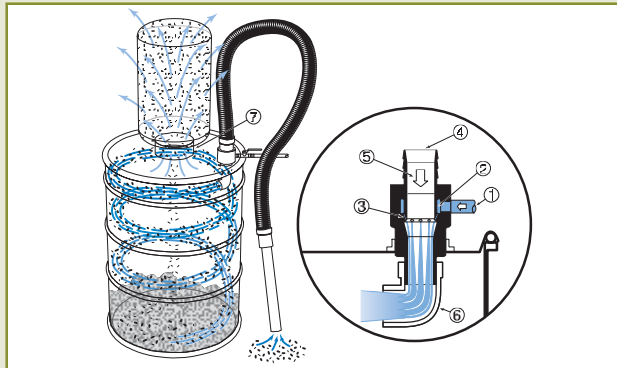
Room air remains dust free as the Chip Vac removes dusty absorbent.



Chips can be vacuumed directly to separate drums for recycling.

Chip Vac

How The Chip Vac Works



Compressed air, normally 80-100 PSIG (5.5 - 6.9 BAR), flows through the inlet (1) into an annular plenum chamber (2). It is then injected into the throat through directed nozzles (3). These jets of air create a vacuum at the intake (4) which draws material in and accelerates it through the unit (5). An elbow at the exhaust (6) directs the air in a cyclonic motion against the inside wall of the drum. Chips and other particulate drop to the bottom of the drum. The air flow exhausts through the port in the drum lid (7). Airborne particles are trapped by the 0.1 micron filter bag.

The Chip Vac System can be used with an open head steel, fiber or plastic drum that is in good condition (ANSI Standard #MH2-1997). To prevent material contamination, a poly drum liner can be inserted into the drum.



The Model 6293 Deluxe Chip Vac System includes all items shown for the Model 6193 and a Model 9041 Drum Dolly.

Chip Vac Systems

Model #	Description
6193	Chip Vac System includes the Chip Vac, lever lock drum lid, shutoff valve, filter bag, 10' (3m) flexible vacuum hose (1-1/2" / 38mm I.D.), chip wand, (2) extension wands, crevice tool, brush, skimmer and floor tool (drum not included).
6293	Deluxe Chip Vac System - same as above and adds drum dolly (drum not included).
6193-5	Mini Chip Vac System - includes the Chip Vac (3/8 NPT), shutoff valve, filter bag, 5 gallon container with lid and locking ring, 10' (3m) flexible vacuum hose (1-1/2"/38mm I.D.), aluminum chip wand, (2) extension wands, crevice tool, brush, skimmer and floor tool.

Accessories

Model #	Description
6804	Replacement Filter Bag, 0.1 micron, 99.92% efficient
9001	Auto Drain Filter Separator, 3/8 NPT, 65 SCFM (1841 SLPM)
9005	Oil Removal Filter, 3/8 NPT, 15 - 37 SCFM (425 - 1048 SLPM)
9041	Drum Dolly

Chip Vac Specifications

Model	Pressure Supply		Air Consumption		INLET
	PSIG	BAR	SCFM	SLPM	
6193 / 6293	80	5.5	40	1132	3/8 NPT
6193-5	80	5.5	33	934	3/8 NPT

Air consumption has been minimized by using the appropriate amount of air required for vacuuming chips.



The Model 6193 Chip Vac System includes a vacuum hose, chip wand and tools.



The Model 6193-5 Mini Chip Vac System includes a vacuum hose, 5 gallon drum, chip wand and tools.



See page 2 for complete details.

