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## Australian Company designs a Fantastic New Weapon in the Battle Against the Coronavirus

**Wayne Dockrill**, Managing director at Ezi-Duct, and **Grant Stevens**, Managing director of Porex Environmental Engineering, have around 60 years of combined industry experience. They worked closely together in the past months to develop the new ULPA Air filter that will outperform existing HEPA Filters being currently used in the market.

To meet the demands of the COVID-19 crisis that is currently affecting Australia and the rest of the world, our qualified engineers have designed a unique, powerful, mobile Air filter unit that can outperform the existing HEPA Filters.

The ULPA Filter is a powerful yet portable air filtration apparatus that can filter and will remove 99.99% of particulates that are 0.12  $\mu\text{m}$  or more in diameter.

### What is the difference between ULPA and HEPA filters?

The key difference between industrial HEPA filters and ULPA filters is in the size of the particles they can remove.

While HEPA filters can remove up to 99.97% of contaminants as small as 0.3 microns in diameter, ULPA filters can remove 99.99% of the particulates that are 0.12 microns or more in diameter.

The new ULPA Filter is a powerful yet portable air filtration apparatus that can filter and remove 99.99% of the particulates that are 0.12 microns or more in diameter. It is constructed hygienic stainless steel material that can easily be disinfected after use.

Even with the high airflow, the ULPA Filter is only 750 mm wide and can be wheeled through a standard doorway and runs on single phase power.

The ULPA Filter's Hi-Efficiency Fan has a powerful yet variable air flow of up to 3500m<sup>3</sup>/h @ 1000 pa pressure.

The ULPA Filter can either operate as a standalone unit in larger areas or ducting can be connected to it to filter the air from several smaller rooms.

It can be used in such areas as Hospitals or Medical centres, waiting rooms, schools or university classrooms, office environments, shops, supermarkets, age care facility, restaurants, clubs or anywhere else where people gather.

New studies have shown that the covid-19 virus can last longer in the air than first thought, remaining infectious for more than 12 hours.

It was now imperative to quickly develop a super fine air filter that can remove infected air from areas where people gather, filter the air and returns clean air back to the area.

Ezi-Duct are now taking pre-orders for this brilliant new product.



NEW design ULPA Filter.

## New Dust Collector for Vic Men's Shed

Ezi-Duct's Victoria team recently finished up an installation for a Men's Shed in West Gippsland area. The new installed system is to deal with timber saw dust extraction, so Ezi-Duct supplied the eCono 4000 Dust Collector with the Ezi-Arm, Ezi-Duct Modular Ducting and Ezi-Flex Flexible Ducting. The Australian designed and manufactured eCono 4000 Dust Collector is the best value self cleaning dust collector on the market. The eCono 4000 Dust Collector provides powerful suction of up to 4000 m<sup>3</sup>/h @ 2500 –3000 pa and has a high efficiency, energy saving 4.0 kW fan. If you are on a budget, it's worthwhile considering the eCono dust collectors as it is as powerful as higher end dust collectors.

The eCono 4000 has an automatic cleaner system which shakes the filters each time the dust collector is switched off, so this type of dust collector is best suited for operations with intermittent operation. The dust collector uses 15 top quality filter bags, cleaned each time the machine stops will ensure that when it is turned on, it is running at maximum efficiency.



*Econo 4000 WB installed outdoors. Wheelie bin option makes dust removal easy.*



*Ezi-Duct Fume Arm installed at the men's shed provides an enormous range of flexibility.*

The Ezi-Duct Ezi-Arm is a self supporting suction arm that is the best technical solution for the extraction of fumes & dust. It's design has no internal obstructions that cause turbulence and snag points. The flexible ducting has been kept to a minimum due to the high friction loss and wear possibilities associated with this product. The Ezi-Arm comes in 3 models 2.2 mtr, 3.0 mtr and the big 4.6 mtr model. All are 150mm in diameter and are supplied with a wall mounting bracket and damper. All model Ezi-Arms are carried ex-stock in the 3 Ezi-Duct branches located in Melbourne, Sydney and Brisbane. The Ezi-Arm can rotate 360 degrees and is designed with an ease of use principle for the operator. This enables for an enormous number of suction hood positions. They are ideal for many applications that include the removal from workers faces of welding fumes, sanding dust, odours and other harmful dust and fumes.

Ezi-Duct's modular ducting solution is easy to use and easy to install. It is versatile and can be taken down and reconfigured easily if you are looking at upgrading or relocating your machinery or your workshop. The smooth bore ducting has no snag points, making the the dust collection easy.

### Joke:

**Set your wifi password to 2444666668888888**  
So when someone asks tell them it's 12345678



# NSW Men's Shed's future proof new dust extraction system

Our NSW team recently finished up a whole dust extraction system for a Men's Shed in the Central Coast of NSW.

Ezi-Duct was tasked to provide a dust extraction system that can cater to a busy day for the men's shed, this was predicted to be 5-8 machines running simultaneously.

The Dust Extractor that we installed was the eCono 6000, which is capable of handling 10 machines simultaneously and can be connected to 14 different machines, which will give the shed base the opportunity to expand substantially over the coming years. Ezi-Duct's eCono range is a budget friendly option which doesn't skimp on the power and still retain self-cleaning features, to keep the machine running effectively and efficiently. This eCono is designed to deposit the waste dust into a wheelie bin for easy waste removal.

The modular ducting system was designed to facilitate additional or larger machines to be added in the future without compromising on the performance. Ezi-Duct's modular ducting is quick and easy to install, and provides flexibility to upgrade or relocate the system if the Men's Shed needs to do so in the future.

The dust collection system also included a Variable Speed Drive (VSD), which can adjust the airflow to suit the number of machines being used at any given time. This efficiency of this system will help reduce the shed's power bill.



*Econo 6000 WB installed outdoors. Wheelie bin option makes dust removal easy.*



*Ezi-Duct modular ducting system installed at the men's shed.*



*Ezi-Duct modular ducting attached to a range of smaller machines.*

**Joke:**  
**Why can't you hear a pterodactyl go to the bathroom**  
**Because the "P" is silent!**



## EziArm Telescopic Fume Arms installed in Western Sydney testing lab

Ezi-Duct Sydney recently installed three EziArm Telescopic Fume Arms in the testing lab of a Western Sydney based company that manufactures building adhesives. Due to limited space, the EziArm Telescopic Fume Arms was the perfect choice for this application. The EziArm works on an internal sliding mechanism and a balance spring, making it particularly suitable for fume and dust removal in areas where space is limited.



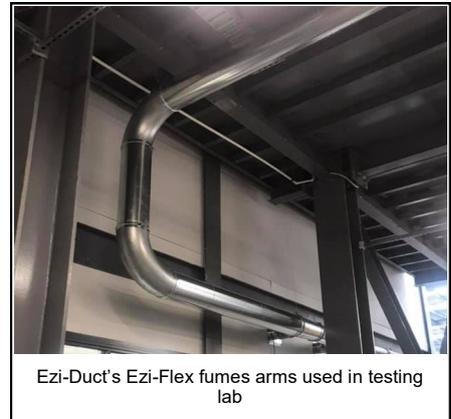
Ezi-Duct's Ezi-Flex fumes arms used in testing lab

The hood is manufactured from robust light weight steel construction and is fitted with an aluminium handle making the EziArm very light & manoeuvrable. The client is delighted with the simple operation of the EziArm Telescopic Fume Arms in keeping the fine dust away from the lab technicians.

The EziArms are connected to Ezi-Duct Smooth Bore Modular Ducting in the ceiling space and then to an existing dust collector located in the factory.

Because of the very limited access, custom made ceiling brackets were manufactured by the sheet metal specialist at Ezi-Duct's Sydney factory for this project.

Ezi-Duct is Australia's leader in the field of Dust Collectors & Fume Extraction Equipment and is constantly seeking to provide the most innovative and efficient designs to best protect workers. Ezi-Duct have many experienced staff backed up by qualified engineers who can visit your factory to provide free advice on your dust collection requirements.



Ezi-Duct's Ezi-Flex fumes arms used in testing lab

## Ezi-Duct updates Ducting system for Australia's Largest Gardening Supplier



Ezi-Duct's NSW team has just finished making modifications to an existing dust collection system for a western Sydney factory that specializes in gardening supplies. We used our modular ducting to make modifications to the existing ducting system in order to deal with the chemical dusts that is created during the filling process.

The new ducting had to be raised higher to accommodate the existing structure.

If you need to upgrade your existing dust extraction system, give us a call and we can help make that happen.

I couldn't figure out why the baseball kept getting bigger.

Then it hit me.



## Ezi-Duct fume extraction system allows for greater control in lab.

Ezi-Duct's Victorian team helped with a restructure of the fume emission control system in the laboratory area of a Victorian quarry in Kilsyth.

The new installed series of butterfly valves allows for more precise control of the required suction at two points without reducing the speed of the suction.

Installed was Ezi-Duct's Modular Ducting, which is manufactured from heavy duty galvanized steel construction and the bends are of smooth pressed construction of 1.5 CLR.

The Ezi-Duct Modular Ducting not only provides the best airflow of any ducting on the market but has other advantages as well;



Ezi-Duct's Energy Efficient fans attached externally.

- Companies can cut costs considerably as Ezi-Duct Modular Ducting is so simple, quick and easy to install. Installation time is cut down considerably.
- Many of Ezi-Ducts customers do the installation in-house, without the need for outside contractors.
- Dust collection and pneumatic conveying systems can frequently block up so the advantages for using Ezi-Duct Modular Ducting product is long term. As Ezi-Duct ducting simply clams together, the customer can easily pull the system apart for cleaning if blockage occurs.
- If a company relocates premises, changes it's machinery or expands, the ductwork can be disassembled and reuse again and again in different layouts.

Ezi-Duct only uses powerful energy efficient industrial fans which produces more suction while using less energy.

**What's the difference between a hippo and a Zippo?**

One is really heavy, and the other is a little lighter.

# Efficient Solution to your Pollution



***Ezi-Duct is Australia's leading supplier of Australian designed and built Dust Collection Equipment and has the industry experience and the product range to solve your company's requirements.***

45kW High Efficiency Fan



MDC 3600P Dust Collector



Ezi-duct Ducting & Flexible Ducting



EziArm with CBS200 Fan



MDC 18000P Dust Collector



eMission Control range



eCono 6000 C Dust Collector



1 Mtr Rotary Valve feeds into a bin



## Last Laugh

A man walks into a lawyer's office and asks, "How much do you charge?"

The lawyer says, "\$5,000 for three questions."

"Wow, that's pretty expensive, isn't it?" the man asks.

"Yes," says the lawyer. "Now, what's your third question?"

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