

## Waste Water Treatment

BV can design & manufacture basic filtration units through to sophisticated, automated recycling systems. Our range includes our "RCT" simple recirculation tank systems, "PFA" paper band filter units, and our customizable "ECO" Centrifugal filter systems, which can process both dissolved and suspended solids, using pH balancing and flocculation enabling compound dosing to waste or full recycling of treated water. We also manufacture basic water/compound dosing systems which accurately meter your compound and water input.



## Super-finishing

BV have developed a range of super-finishing systems (often referred to as isotropic surface finishing) which produce extremely low surface roughness values and highly polished appearances. The main benefits to this include:

- **Reduced Friction**
- **Reduced Heat**
- **Greatly increased service life**
- **Improved efficiency which provides higher power outputs**

This technology is mainly applied to automotive gear train systems and certain engine components (like crankshafts and camshafts). Locally this process is widely used in Australian V8 supercars and other motorsport race teams. Other uses include wind turbines, aircraft components, and mining equipment where long service life is essential.



# BV PRODUCTS

The specialists in surface improvement



Innovative  
machines for:  
**DEBURRING**  
**POLISHING**  
**SMOOTHING**  
**CLEANING**



**BV PRODUCTS**  
surface improvement technologies

BV Products Australia, 16 Access Way, Cammum Downs, VIC 3201 Australia.

✉ [sales@bvproducts.com.au](mailto:sales@bvproducts.com.au) ☎ +61(3) 97750898 📠 +61(3) 97750897

BV Surface Technologies (Thailand) Co., Ltd. 1979 Moo 9 Soi Sukhumvit 109, North Samrong, Samutprakarn 10270, Thailand.

✉ [kphotchin@gmail.com](mailto:kphotchin@gmail.com) 📠 +66 9 91289140 ☎ +66 2 3931593 📠 +66 2 3937513

🌐 [www.bvproducts.com.au](http://www.bvproducts.com.au) 🌐 [www.massfinish.com.au](http://www.massfinish.com.au) 🌐 [www.hpsf.com.au](http://www.hpsf.com.au)



## ABOUT BV PRODUCTS

BV Products has been perfecting its unique all cast polyurethane vibratory finishing machines for almost 40 years to make them the most innovative and most cost-effective surface finishing solution available.

The BV Products range is still manufactured right here in Australia, operating from a modern purpose built factory in the south eastern suburbs of Melbourne. BV stocks and produces to order a comprehensive range of equipment

and materials for achieving the perfect surfaces- as well as maintaining an extensive demonstration and job shop facility for many different types of applications.

Not only do BV Products offer high quality mass finishing products but also a fully documented process report sheet with each machine – established by our free trials work-saving our customers time, money and assuring them the best possible solution and results.

## EQUIPMENT

BV Product's unique equipment design provides customers with the best possible surface finishing tool available. Completely cast from polyurethane, the BV Products bowl vibratory

range comes with an extended warranty on bowl and base and the option of various accessories such as sound/splash lids, chemical dosing systems and waste disposal units.



### B Series

The "B" series machines range in size from 30 litres up to 600 litres. They are designed for hand loading/unloading. This type of machine is especially suited for de-burring larger parts and also delicate polishing processes such as those found in our ISFP technology. Due to their reduced weight & rigid design, these machines provide much faster finishing than machines produced by outdated, more traditional methods.

### DR Series

The unique "DR" machines include our advanced separation system. There is no need for "gate clearing" found in other brands. Just switch to reverse, watch flap automatically lower and parts discharge as media is efficiently returned to the bowl. The DR range is available from 30L through to 450L & of course can be optioned as found in our B series machines.



### Trough Vibratory Machines VT Series

Our extensive "VT" range trough machines are constructed and designed for extreme, heavy duty use and comprise a rigid metal tub which is lined with "hot poured" polyurethane minimally 25mm thick. The tub or trough is mounted on a steel base. Fitted with heavy duty vibratory motors mounted directly to tub, they provide maximum efficiency in de-burring processes. Adjustable OB weights & electronic variable speed control allow for infinite adjustment for all types of processes.



### Vibratory Driers CD & HD Series

BV manufactures a range of heated cob driers suitable for the smallest and largest applications. This includes both steel fabricated units and our latest, cost effective Poly bowl design. Vibratory driers use heated ground organic material to dry parts after a wet finishing process. They also clean any residue left on parts in preparation for plating or coating. Available with dust extraction options, these driers can be used stand alone or integrated into fully automated finishing systems. Utilizing either a unique direct heat- band technology or hot air blower, our cob driers are efficient, safe and effective.



### Media & Chemical Compounds

BV holds a huge variety of plastic and ceramic abrasive media, as well as porcelain and other high density polishing media. We also stock walnut shell, drying media and a large range of polishing & cutting pastes. Chemical compounds are all developed and made on site in our Melbourne plant. In order to achieve the best results, you need the right media and chemical compound. Because BV manufactures its own extensive range of finishing compounds, it has or can develop a compound to suit almost every application. Whether it's polishing, etching, cleaning or corrosion inhibition you require, BV can provide the right compound. BV has an extensive process trials facility and can develop both materials and processes tailored to customers' requirements.