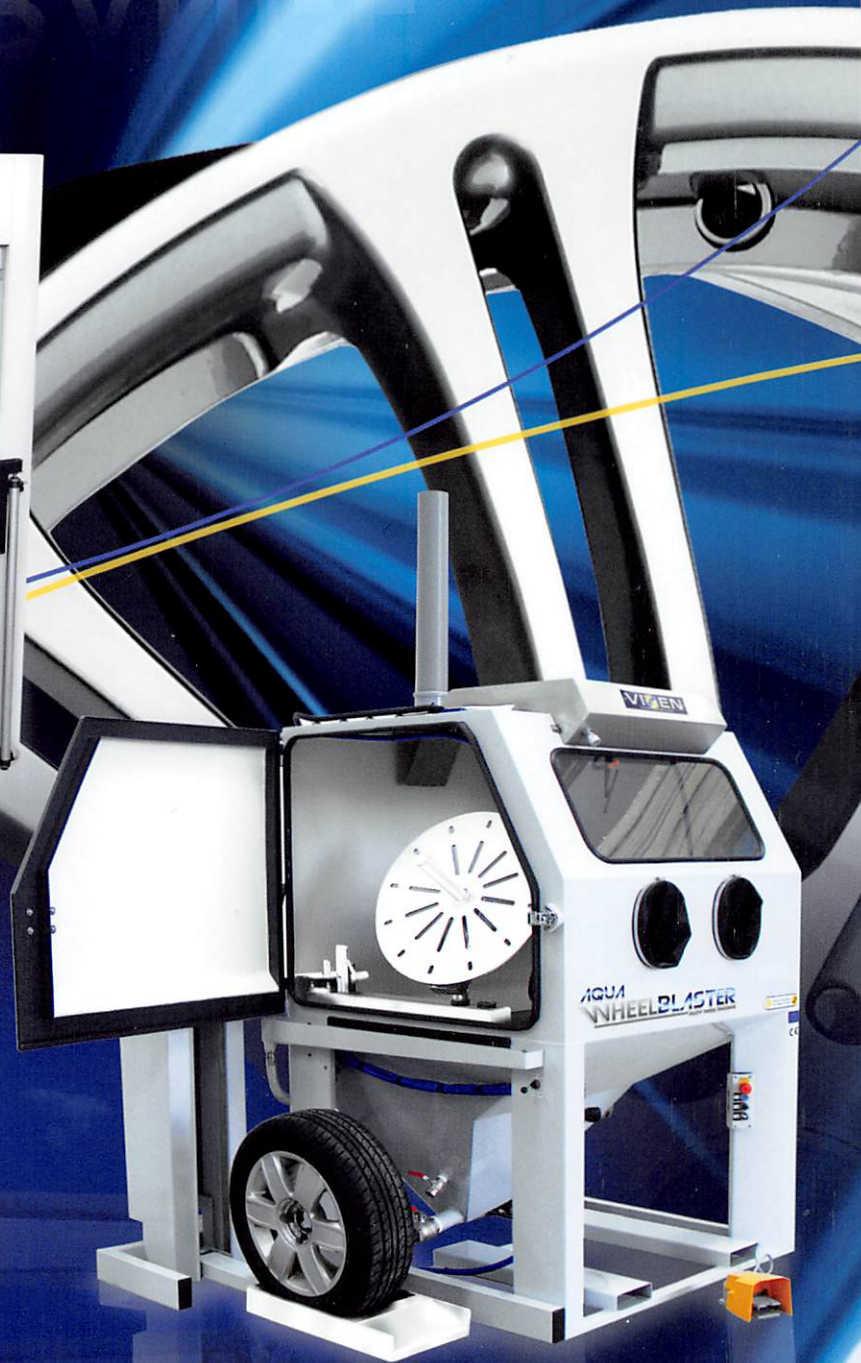


# VIXEN WHEEL REPAIR RANGE



**VIXEN**  
Surface Treatments





Vixen Surface Treatments, founded in 1990, is a leading force in the production of machinery ranging from degreasing machines, blast cleaning cabinets and alloy wheel refurbishing equipment.

*Vixen's customers include well known market leaders such as Redbull F1, Jaguar Land Rover and Sytner BMW whose decisions to buy our equipment have been influenced by the quality of our machines, their reputation for reliability and the value for money that Vixen's products represent.*



Onsite Showroom for Demonstrations and Training

Vixen's experience, knowledge and versatility together with a continuing need to reduce costs, means that machines from our diverse range of equipment are consistently chosen as the right solution.

Vixen's wheel repair equipment is made up of all of the essential equipment needed for anyone in the wheel refurbishment market. The Vixen Aqua Wheelblaster works harmoniously alongside the Vixen Wheel Lathe to achieve an as new finish on all alloy wheels!

This brochure provides details of Vixen's Wheel Repair equipment. Within this brochure you can also find all of the extras needed to make alloy wheel refurbishment run seamlessly in any body shop.

[www.vixen.co.uk](http://www.vixen.co.uk)

## THE COMPLETE WHEEL PACKAGE

**AQUA WHEELBLASTER**  
COMBINING 6 APPLICATIONS INTO 1 CABINET MAKING WHEEL REPAIR QUICK AND EASY.

**VERTICAL WHEEL LATHE**  
WITH LASER PROBE TECHNOLOGY REDUCING SCANNING TIMES FROM 10 MINUTES TO JUST 30 SECONDS.

**WHEEL STRAIGHTENER**  
REPAIRING BUCKLED WHEELS QUICKLY AND EASILY FITTING SEAMLESSLY INTO ANY WORKSHOP.





THE VIXEN WHEEL RANGE is a bespoke range which has been designed to provide quick, clean and efficient results across a wide range of wheel repair applications. Our equipment ensures that wheels can be left with a brand new look, at a fraction of the cost of buying new alloy wheels. *The machines are a perfect addition to complete any workshop to help improve time and cost efficiency.*



#### VIXEN AQUA WHEELBLASTER

The Vixen Aqua Wheelblaster machine features wetblasting technology to prepare wheels in under 3 minutes. This machine blasts, washes and prepares alloy wheels in one compact cabinet combining all 6 stages of manually preparing alloy wheels into one application. This machine was designed exclusively for the smart alloy wheel repair market.

#### VIXEN WHEEL STRAIGHTENER

The Vixen Wheel Straightener can repair buckled wheels and remove flat spots quickly and easily preventing the customer from having to purchase a brand new wheel. The compact design ensures that it will fit seamlessly into any workshop. With such a wide range of machining capacity this can suit almost any wheel size ranging from 10-26 inches.

#### VIXEN VERTICAL WHEEL LATHE

The Vixen Wheel Lathe uses state of the art technology to create a top-quality finish, removing kerb damage or imperfections and reproduces the original diamond cut finish.

The machine has a cast bed making the system rigid but also is a very compact machine requiring 2m x 2m footprint.

The machine uses a Windows operating system through a touch screen panel which is easy to use. It requires no external computer and wheel profiles can be saved in the memory if required.

- SCANNING OF ORIGINAL WHEEL IN UNDER 30 SECONDS

- EASY TO USE, USER FRIENDLY TOUCH SCREEN

- UK TECHNICAL SUPPORT

- ON-SITE TRAINING





# AQUA WHEELBLASTER

ALLOY WHEEL FINISHING

## A Revolution in 'Smart' Alloy Wheel Repair

The Vixen Aqua Wheelblaster machine was designed specifically for alloy wheel machining. This machine uses wetblasting technology to simultaneously blast, wash and prepare alloy wheels after kerb damage in one quick and simple step, ready for painting and lacquering.

The Aqua Wheelblaster combines the standard six stage process of manually preparing alloy wheels into one application, and can reduce application times from one hour per wheel to just three minutes in one compact cabinet.

The wetblasting process uses water mixed with abrasive to blast the wheel inside the machine to create an etched finish, ready for the next stage of the repairing process. The use of water in the application ensures that no media is impregnated onto the alloy wheel. The water also provides a washing action and does not strip the wheel back to bare metal.

*The dry blasting method of finishing alloy wheels creates dust, which is a major hazard in the body shop environment, and also requires additional washing/ drying facilities before the wheel can be painted and lacquered. The wetblasting process used in the Aqua Wheelblaster does not require a specific room for siting, eliminates the risk of dust and combines all of the preparation processes in one cabinet – ideal for the workplace.*



**x6** PROCESSES  
ALL IN ONE  
MACHINE

- OPTIONAL PNEUMATIC LIFT COMPLIES WITH HEALTH AND SAFETY
- INTERNAL SPIGOT ENSURES EASE OF HANDLING AND LOADING
- CONSISTENT HIGH PRESSURE PUMP
- DUST – FREE PROCESS
- COMPACT CABINET DESIGN
- BLOW OFF GUN TO REMOVE EXCESS WATER AND MEDIA READY FOR PAINTING
- COMBINES SIX PROCESSES IN ONE MACHINE
- WHEELS CAN BE PREPARED IN LESS



## Vixen's Aqua Wheelblaster is designed exclusively for the operator working in the automotive industry.



### HOW THE AQUA WHEELBLASTER WORKS:

The wheel is loaded onto the pneumatic lift (optional) which is raised up to the opening of the cabinet. The operator then loads the wheel onto an internal spigot, which is mounted on a pivoting arm to allow for easy and hassle-free loading.

Once loaded, the operator applies pressure to the foot pedal, and the water/media slurry which is contained in the cabinet sump is delivered to the manual blast nozzle via a glandless polyurethane pump. Compressed air is added to this stage to accelerate the slurry.

After contact with the alloy, the slurry drains back into the cabinet sump to create a re-circulation system, while other contaminants are fed into the sedimentation filter.

### MACHINE BENEFITS:

Often the damage, with diamond wheels, is restricted to the alloy wheel machined faces. If this is the case, the Aqua Wheelblaster will lightly etch the lacquered surface of the wheel without damaging the original paint, therefore saving more time as no paint match will be required. The wheel can then be machined in the Lathe, followed by a clear coat of self etching lacquer.



ACID WASH



POWER WASH



QUICK DRY



DRY PRE-PAINT



ABRASIVE KEY



RESIDUE REMOVAL



# WHEEL LATHE

## A Revolution in 'Smart' Alloy Wheel Repair

With the rising number of cars coming complete with diamond cut alloy wheels as standard, the demand for diamond cut alloy wheel repair is rapidly growing. The Vertical Wheel Lathe is the perfect addition to any workshop, with a footprint of only 2m x 2m, and the ability to laser scan wheels in under 30 seconds, unlike older models which can take up to 15-20 minutes per alloy. Older versions of the lathe scan and store maps for wheels, but the Vertical Alloy Wheel Lathe by Vixen is so quick that you could scan the original wheel every time, ensuring the highest accuracy and outcome when repairing alloy wheels.

*Corrosion damage can begin from a small scrape, to a gravel chip. A fundamental problem with diamond cut wheels, is that once the lacquer surface is damaged, the alloy wheel underneath is more likely to corrode. Once this process has begun, the corrosion will spread, leaving the wheel to gradually deteriorate.*



# WHEEL LATHE



### FEATURES OF THE VERTICAL WHEEL LATHE

*All Vixen Wheel Lathe deliveries include 2 days on site training from our highly trained service engineers.*

- Pneumatic vertical door
- Scanning of original wheel made quick & easy with laser probing technology
- LCD touch screen
- Single cast machine bed for greater stability
- Vertical chuck with enhanced turning performance giving greater accuracy than a horizontal lathe
- Can process wheels up to 35" in diameter



## Vixen's Wheel Lathe is the perfect addition to any workshop, with a small footprint and the ability to scan wheels in under 30 seconds.

*One of the unique features of the Vixen Wheel Lathe is the laser probe system which maps the original wheel profile. This replaces the typical mechanical probing tool and enables a wheel profile to be mapped in under a minute. Once mapped, any small adjustments or smoothing out is made on the touch screen and is very user friendly to operate.*

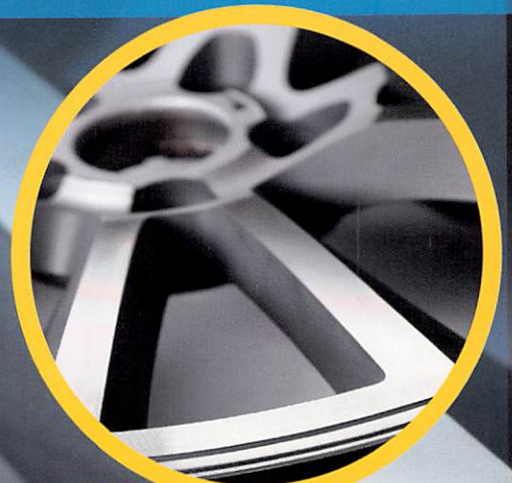
### VIXEN WHEEL LATHE

*The lathe features an LCD touch screen control panel which is very user friendly for the operator to understand. This results in a quicker overall cutting time as once the wheel has been mapped a simple press of the button repeats the process until the wheel has been machined sufficiently.*

*One of the biggest advantages of the Vertical Lathe is the ease of loading a wheel onto a horizontal platform/chuck. To the front of the lathe is a pneumatic vertical opening door complete with viewing window. The pneumatic door slides down for opening and gives a large loading area which is easily accessed when holding an alloy wheel.*

*The machine bed of the Vixen Lathe is cast iron which gives total rigidity and therefore accuracy when cutting a wheel. The horizontal chuck is centrally driven so the wheel can be tightened from any of the locking tool ports and has a wheel capacity of 30" diameter. When probing the wheel, the wheel can be rotated slowly by hand to follow curved spokes in the wheels etc.*

*The Vertical Alloy Wheel Lathe precisely measures the surface contour which is to be cut with accurate and repeatable programming ability.*

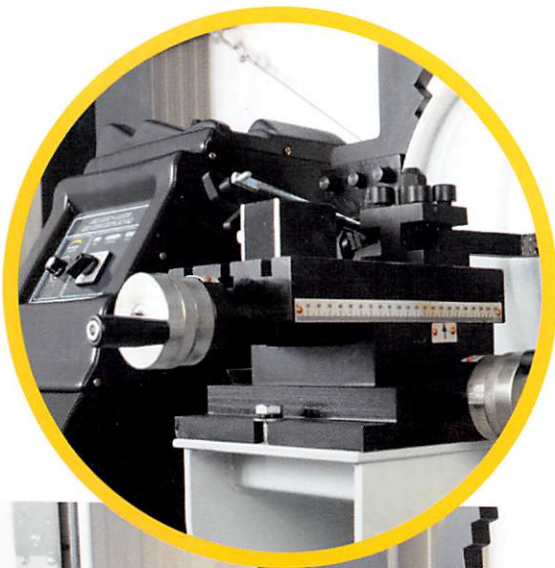




## Vixen Wheel Straightener

The Vixen Wheel Straightener can repair buckled wheels and remove flat spots quickly and easily preventing the customer from having to purchase a brand new wheel. The compact design ensures that it will fit seamlessly into any workshop. With such a wide range of machining capacity this can suit almost any wheel size ranging from 10-26 inches.

Sometimes, a wheel can be unaffected by a buckle, but often it can be slightly or significantly bent. A wheel that is out of shape can affect the safety of the vehicle, ruin the smoothness of the ride, lead to uneven tyre wear and even decrease fuel economy.



### **BENEFITS OF THE MACHINE:**

*The bent rim/wheel can be the source of all kinds of problems on a vehicle. Repairs with the Vixen Wheel Straightener are straight forward and easy for any operator.*

*An addition to this machine is a basic lathe and polishing adaption to smooth off any welding marks and polish the wheel.*



## Additional Wheel Repair Equipment.

*As well as high tech machinery, Vixen can also provide additional equipment to cater to your wheel repair needs.*

*From Wheel Balancers to Downdraft Air Benches, we can make sure your workshop is complete with a full wheel repair package. This equipment does not only make life easy for the operator, but is also a safer alternative to standard wheel repair equipment.*

WHEEL BALANCER



TYRE REMOVER



DOWNDRAFT AIR BENCH



MOBILE WHEEL STAND







## Vixen Case Studies

Vixen pride themselves in customer relations and always strive to provide customers with the best service and equipment possible. Many companies around the globe have Vixen machines and have established long-standing relationships with many world renowned organisations.

### **SYTNER BMW**

*Sytner BMW purchased an Aqua Wheelblaster, and this is what the Wheel Technician had to say about the Vixen machine:*

*"Stunning results every time, and it's such an easy machine to work with..." - Wheel Technician BMW Sytner.*



### **CUSTOMER JOURNEY**

*At Vixen, the sale is just the beginning of an excellent service. The Aftersales department are extensively trained on all of the machines manufactured at Vixen including spare parts, media and technical operations.*

*The team also includes highly trained service engineers who carry out monthly or quarterly servicing contracts. In addition to servicing, the engineers are primed to deliver breakdown cover with rapid response throughout the UK.*

### **ALLOY WHEEL REPAIR NI**

*Alloy Wheel Repair NI specialise in the repair and refurbish of alloy wheels which now, thanks to their Vixen machines the Aqua Wheelblaster and Wheel Lathe, can be processed more quickly and efficiently!*

*When one of Vixen's Sales Engineers visited Alloy Wheel Repair Northern Ireland this is what Rob the Manager had to say:*

*"Vixen's package was financially competitive and they provided excellent support throughout the whole process, but what we loved about Vixen is dealing with one Sales Engineer from start to finish."*

*"This has improved speed, efficiency and a higher standard of wheel repair results."*

*"The lathe provides top spec diamond cut wheels with a professional finish."*





# Worldwide Customers.



*Vixen Surface Treatments is experienced in manufacturing a variety of surface treatment machinery and exporting to customers all over the world.*

*With over 25 years' experience in shipping machines internationally, no country is too far away for Vixen. Over 30 verified Vixen representatives and distributors operate worldwide, and no matter where a customer is located, the dedicated sales and export team can supply them with a quality piece of equipment quickly and easily.*



## GREENS AUTOMOTIVE – CANADA

*"The major benefit of purchasing the Aqua Wheelblaster is it speeds up the refinishing process of wheel repairs. The machine helps us clean the wheels more efficiently saving us time on wages and cleaners. We also use fewer chemicals; in turn this is safer for the environment and employees as well, as it cuts down our recycling costs and use of hazardous materials"*



## LEHMANN AUTOMOTIVE – THE NETHERLANDS

*"Vixen was very helpful throughout the full process and provided a great service! Such a good and honest company!"*



## PRECISION WHEELS - AUSTRALIA

*"The service when purchasing the Aquablast machine was excellent. With delivery prompt and us kept well informed of in-transit information, the Aquablast arrived well packaged and in perfect condition, with excellent documentation on equipment setup!"*



## WHEEL DOC – AUSTRALIA

*"The Wheelblaster is purpose built and the most suitable blaster on the market for our application of treating wheels. I also feel at ease when ordering parts with a credit card overseas, very trust worthy!"*

ATLAS COPCO  
BAE SYSTEMS  
BLACK & DECKER  
BMW  
BP  
CUMMINS ENGINES  
DUNLOP AVIATION  
EBARA  
EDWARDS  
FEDERAL MOGUL  
FORD MOTOR COMPANY  
FISKARS  
GE  
HAMPSHIRE TOBACCO  
HENKEL  
HOTPOINT  
IMI GROUP  
JAGUAR LAND ROVER  
KAWASAKI  
LONDON UNDERGROUND  
MATTHEW ALGIE  
METRON TECHNOLOGY  
MITRAS AUTOMOTIVE  
NESTLÉ  
PEPSI  
QIOPTIC  
REDBULL F1  
ROYAL ORDNANCE  
SEBASTIEN VETTEL  
SHARP ELECTRONICS  
SYTNER BMW  
TATA STEEL  
TRIUMPH MOTORCYCLES  
TRW AUTOMOTIVE SYSTEMS LTD  
WALKERS CRISPS  
WEETABIX LTD



VIXEN SURFACE TREATMENTS IS A MARKET  
LEADING SPECIALIST IN THE  
DEVELOPMENT AND PRODUCTION OF  
MACHINERY USED IN SURFACE  
TREATMENTS WORLDWIDE.

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WALKERS CRISPS  
WEETABIX LTD

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**VIXEN**  
Surface Treatments

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