



EXPERIENCE UNMATCHED PERFORMANCE
AND DURABILITY WITH OUR PRECISION WHEEL EQUIPMENT.
DESIGNED FOR ACCURACY, RELIABILITY AND EFFICIENCY



VL24 MICRO



SL28



HL24



H26

WELCOME TO PRECISION WHEEL EQUIPMENT

Welcome to Precision Wheel Equipment, your premier destination for state-of-the-art wheel refurbishment machinery. Situated in the heart of Antrim, Northern Ireland, at 4 Massereene Business Park, we are dedicated to delivering cutting-edge solutions that empower businesses to achieve unparalleled precision and efficiency in wheel restoration.

Precision Wheel Equipment was founded by James Blain, a visionary entrepreneur with a profound passion for automotive excellence. With a background deeply rooted in the alloy wheel refurbishment industry, James recognized the pressing need for advanced, reliable, and user-friendly equipment. This insight led to the establishment of Precision Wheel Equipment, aiming to bridge the gap between technological innovation and practical application.

Under James' leadership, the company has experienced significant growth and diversification. He has been instrumental in the inception and management of several associated enterprises, including Bavarian Wheel Worx Ireland Ltd, Cobra Customs RIM FIX Ltd, Bavarian Wheelworx GMBH (Germany), Precision Wheel Worx GMBH (Germany) with Head Office at Massereene Business Park.

Our commitment to innovation is evident in our product offerings. For instance, we've introduced the Precision VL24 MICRO for body shops and mobile vans, a machine that delivers unmatched speed and flawless finishes, setting new industry standards.

Additionally, we have expanded our range to include new budget CNCs, such as the APC-1, which will be available from May 2025, catering to diverse client needs.

At Precision Wheel Equipment, we pride ourselves on our unwavering dedication to quality, innovation, and customer satisfaction. Our journey is a testament to our relentless pursuit of excellence, and we remain committed to advancing the wheel refurbishment industry through continuous improvement and technological advancement.

FINANCIAL OPPORTUNITY

A typical operator can repair 16 wheels per day with many averaging between 20 - 35 wheels per day. With almost every new car and a large proportion of vans now coming with diamond cut wheels.

Brings to life new profit potentials in the ever growing market of alloy wheel refurbishment. Such cars often have cosmetic damage which needs to be fixed in order to prevent the wheel from deteriorating presenting untold opportunities for service centres, bodyshops, and tyre bays as well as stand alone alloy wheel refurbishment companies.

When presented with the cost savings against a new wheel, in many cases in excess of £550 for the average family saloon car then refurbishment makes complete sense.

WHY DIAMOND CUT WHEELS?

- **Over 90% of production cars come with diamond cut wheels**
- **Strong margins**
- **Low start up costs**
- **Rapidly growing market sector**
- **Simple to use software**
- **Offer same day diamond cut alloy**

5 SETS OF 4 DIAMOND CUT ALLOYS
REPAIR & RE-FINISH

Average Time: 8 Hours
Average Invoice Total: £1,700+
Average Wheel Invoice: £85



TRAINING & SOFTWARE

Delivery to UK & Ireland destinations is included, along with 2 days training (excludes the APC-1). A competent local electrician can easily install the electrics and coupling of the machine. Training will be provided so that you can begin production in a short space of time.

Our software is as easy to use as a mobile phone, without losing any of the custom features we provide; plus, with our anti-crash feature it offers the user greater peace of mind.

To make things even easier we provide 2 days training on site, with additional remote training using the wifi connection, if required.

WHY BUY FROM PRECISION

- *We are constantly striving to bring new innovations to the sector via R&D that have stood the test of time*
- *All machines developed by end user*
- *Products that are easy to use*
- *Excellent customer service*
- *Better Quality Results - Faster!*
- *100% Plotting Accuracy*
- *Finance Available (subject to status)*
- *365 Days Customer Support*
- *We only sell what we use ourselves!*
- *Cut more wheels in less cut*



KEY BENEFITS

1. High Accuracy and Consistency

CNC precision ensures that each wheel is plotted exactly to tight tolerances. Reduces human error and ensures repeatable results across production runs.

2. Increased Efficiency

CNC machines can run continuously with minimal supervision. Quicker cycle times and automated processes boost productivity.

3. Improved Surface Finish and Quality

Precision turning results in smoother surfaces. This enhances the performance and longevity of wheels, especially in high-speed or heavy-load applications.

4. Customization and Flexibility

Easy to switch between different wheel sizes or profiles. Plot can be modified on the run. Ideal for both custom small-batch and large-scale production.

5. Integration with Advanced Technologies

Bespoke black edition PC based software that is free for life, no subscriptions or licence keys fees.

6. Reduced Waste and Costs

Precision machining minimizes material waste. Better resource utilization leads to cost savings over time. Less material is removed from the wheels prolonging wheel life.

- ***No licence key or subscriptions required***
- ***New Black Software***
- ***Anti-crash software***
- ***Cut Range 12"-28" wheels***
- ***Linear guide rails & bearings fitted*** (Excluding the H26)
- ***Future-proof technology***
- ***Plots and cuts 90° edges***
- ***Ease of use***
- ***Unmatched cutting speed and quality***
- ***Outstanding customer support***
- ***Free life time software update***
- ***Cuts all styles of wheel from complex to dish***
- ***No Machine Calibration required – Ever!***



INTRODUCING THE HL24

With being one of the only ranges of alloy wheel CNC lathes that can cut around the outer edge of the rim on one plotted programme. Meaning a typical operator can repair 16 wheels per day many averaging between 16 – 24 wheels per day.

Offering tomorrow's technology today. As one of the market leaders in the supply and manufacturing of quality alloy wheel diamond cutting machines since 2018, why look any further?

The Precision range may be the only alloy wheel lathes that can cut around the outer edge of the rim on one plotted programme.

Each job is easy to setup with intuitive settings. The anti-crash system means operators can use the machine with confidence and achieve reliable results without the anxiety of unexpected problems.

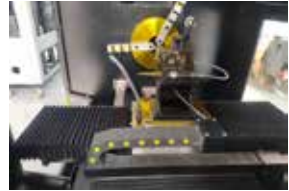
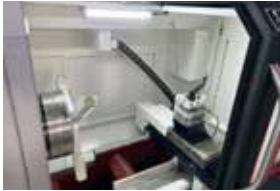


WHAT'S NEW WITH THE HL24?

- **Exclusive anti crash software**
- **Precision engineered linear guides and bearings**
- **Exclusive software innovations to allow for modifactions during cut**
- **Ability to plot and cut 90 degree return edges**
- **Low noise, smoother glide of axis,**
- **New low bench for technician accessibility and loading**
- **Wireless Probe**



**NEW HL24 BLACK EDITION
COMING SOON!**



SPECIFICATIONS

- X axis travel: 360mm
- Z axis travel: 500mm
- Jaw Chuck: 12" with special soft jaws
- Wheel Gripping 0.0. Range: 12" - 24"
- Main motor power: 5.5kw
- Spindle speed: 40 - 1800rpm
- Max. Measured depth of prob: 50mm
- Rapid traverse of X & Z axis: 4 & 6 m/min
- Cutting feed: 0.005 - 100mm/r
- X & Z motor: 6 & 10 N.M
- Machine size (LxWxH): 1940x1400x1750mm
- Packing size (LxWxH): 2200x1500x1850mm
- N. W / G. W .. 1500/1600KG
- Voltage: 400V 50HZ 3 Phase

FEATURES

- 15" Touchscreen controller
- Special designed automatic software
- Special 3 soft jaw chuck
- 4-way tool post
- Automatic oil lubrication
- X & Z servo motor driver
- Full closed protected guard door
- Multi-functional panel
- MPG hand wheel
- Working lamp
- Keyboard and mouse
- Linear Guide Rails
- Wireless Probe
- Fully Brush Sealed Door

INTRODUCING THE H26

Introducing the H26 CNC Lathe – a powerhouse of performance, precision, and practicality, built to meet the demands of modern alloy wheel refurbishment. As a standout in our lineup, the H26 brings together refined engineering and intelligent design to make complex cuts feel effortless.

With a generous X-axis travel of 360mm and Z-axis travel of 500mm, the H26 accommodates a wide range of wheel sizes, gripping anything from 14" to 26" with its robust 12" jaw chuck and specially designed 3 soft jaws. It's one of the few lathes capable of executing a complete outer rim cut on a single plotted program, streamlining workflow without compromising on quality.

User-friendly from start to finish, the H26 features an exclusive anti-crash system, allowing operators to work confidently with consistent, safe results.

WHAT'S NEW WITH THE H26?

- **Exclusive anti crash software**
- **Precision engineered slideways**
- **Exclusive software innovations to allow for modifications during cut**
- **Ability to plot and cut 90 degree return edges**
- **Low noise, smoother glide of axis,**
- **New low bench for technician accessibility**



SPECIFICATIONS

- X axis travel: 360mm
- Z axis travel: 500mm
- Jaw Chuck: 12" with special 3 soft jaws
- Wheel Gripping O.O. Range: 14" - 26"
- Main motor power: 5.5kw
- Spindle speed: 0-750rpm
- Max. Measured depth of prob: 50mm
- Rapid traverse of X & Z axis: 4 & 6 m/min
- Cutting feed: 0.005 - 100mm/r
- X & Z motor: 6 & 10 N.M
- Machine size (LxWxH): 2050x1490x1750mm
- Packing size (LxWxH): 2250x1550x2000mm
- N. W / G. W .. 1500/1600KG
- 400V 50HZ 3 Phase

FEATURES

- 15" Touchscreen controller
- Special designed automatic software
- Special 3 soft jaw chuck
- 4-way tool post
- Automatic oil lubrication
- X & Z servo motor driver
- Full closed protected guard door
- Multi-functional panel
- MPG hand wheel
- Working lamp



INTRODUCING THE SL28

Introducing the SL28 CNC Machine – the next evolution in precision alloy wheel refurbishment. Designed with cutting-edge features and engineered for reliability, the SL28 delivers high-performance diamond cutting with unmatched ease of use. Since 2018, we've been redefining the standards in wheel lathe technology, and the SL28 continues that legacy with future-ready innovations.



WHAT SETS THE SL28 APART?

The SL28 is a uniquely engineered CNC lathe specifically designed for alloy wheel machining. It features an optimized slant bed configuration that maximizes internal working space, enabling improved accessibility and operational efficiency.

This slant bed design facilitates natural chip evacuation, minimizes vibration during cutting operations, and enhances overall machining stability. As a result, the operator benefits from a more ergonomic workspace and increased productivity.

WHAT'S NEW WITH THE SL28?

- **Exclusive anti crash software**
- **Precision engineered linear guides and bearings**
- **Exclusive software innovations to allow for modifications during cut**
- **Ability to plot and cut 90 degree return edges**
- **Low noise, smoother glide of axis,**
- **New low bench for technician accessibility**
- **Full Slant Bed x axis**

SPECIFICATIONS

- X axis travel: 520mm
- Z axis travel: 530mm
- Jaw Chuck: 12.5" with 3 steps soft jaw
- Wheel Gripping 0.0. Range: 12" - 28"
- Main motor power: 5.5kw
- Spindle speed: 40 - 1200rpm
- X Axis Rapid Traverse: 10m/min
- Z Axis Rapid Traverse: 12m/min
- Position Accuracy: X-0.01mm, Z-0.01mm
- Re-position Accuracy: X-0.007mm, Z-0.008mm
- Machine Size (LxWxH): 2220x1556x1523mm
- Packing Size (LxWxH): 2440x1790x2020mm
- N.W. / G.W.: 2000kg / 2100kg

FEATURES

- 17" Touchscreen controller
- Latest Software 4th Generation
- Special 3 soft jaw chuck
- Diamond Cutters
- HIWIN Liner-Guide Way
- 4-way tool post
- Automatic oil lubrication
- Full closed protected guard door
- Working lamp
- Tool & Toolbox
- Wireless Probe



INTRODUCING THE VL24 MICRO

Lightweight and boasts a compact footprint, making it perfect for mobile repairs right from the back of a van, this outperforms any lathe on the market.

Precision Wheel Equipment has unveiled a groundbreaking new product: the VL24 Micro. This innovative machine is lightweight and boasts a compact footprint, making it perfect for mobile repairs right from the back of a van or body shops, with the ability to repair with the tyres on.

The VL24 Micro operates on 240V and is engineered for maximum robustness while ensuring a flawless, line-free finish. Weighing in at just 500kg, it can cut wheels up to 22 inches in diameter without removing the tire. Equipped with linear guide rails, it guarantees the highest quality cuts every time.

WHAT'S NEW WITH THE VL24?

- **Designed and recommend for Mobile Vans**
- **Precision engineered linear guides and bearings**
- **Exclusive software innovations to allow for modifications during cut**
- **240V Single Phase 5.5 KW**
- **Exclusive anti crash software**



SPECIFICATIONS

- X axis travel: 360mm
- Z axis travel: 390mm
- Jaw Chuck: 12"with 3 soft jaws alloy
- Wheel size: 12" - 24" without tire
12" - 22" with tire
- Max Swing diameter: 800mm (31")
- Main motor power: 5.5kw
- Spindle speed: 0 - 750 r/min
- Machine size (LxWxH): 1110x970x1530mm
- Packing size (LxWxH): 1220x1060x1680mm
- N. W / G. W .. 490/600kg
- Voltage: 220V 50HZ 1P

FEATURES

- 15" Touchscreen controller
- Special designed automatic software
- Special 3 soft jaw chuck
- 4-way tool post
- Automatic oil lubrication
- X & Z servo motor driver
- Full closed protected guard door
- Multi-functional panel
- hand wheel
- Working lamp
- Liner guide

WE ALSO SUPPLY



SCAN HERE
TO VIEW ALL PRODUCTS



WET BLASTERS



STRIP TANKS



WHEEL STRAIGHTENERS



POWDER APPLICATORS



ELECTRIC WHEEL OVENS



GAS WHEEL OVENS



AUTOBLASTERS

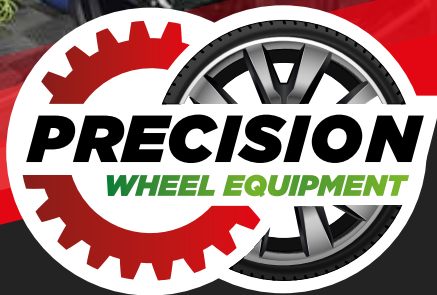


PAINTS & POWDERS



APC-1 BUDGET

QUALITY ALLOY WHEEL REFURBISHMENT EQUIPMENT



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