RUPES®

Big Foot®

POLISHING SYSTEMS

RUPES BIGFOOT POLISHING SYSTEMS

INNOVATIVE
EFFICIENT
EASY TO USE
PERFECT RESULTS


RUPES

ROTARY

GEAR DRIVEN

BIGFOOT POLISHING SYSTEMS

ROTARY: a pad rotates on a central axis with the highest velocity being at the pads edge. Rotary tends to be the most invasive movement on the surface, generating substantial friction and heat that can lead to burns, strike-throughs, and rotary induced swirl marks if used improperly. In the hands of a skilled technician a rotary tool features the lowest vibration levels of any tool movement, but it can take a great deal of time to learn to use the tool properly. Rotary tools are the most commonly used tools for polishing operations in the world.

GEAR DRIVEN: the pad follows an orbit, the diameter of which depends on the distance between the rotational axis of the drive shaft and the central axis of the backing plate. The pad is constrained to rotate about its own central axis, due to the inclusion of a gear. The number of orbits at each revolution of the disc is always constant and depends on the parameters of the gearing used. The DA gear movement is more aggressive on surfaces compared to the DA random orbital movement and generates a generally higher vibration level, but is less invasive than rotary.

RANDOM ORBITAL: the backing plate follows an orbit , the diameter of which depends on the distance between the rotational axis of the drive shaft and the central axis of the backing plate. The backing plate is free to rotate about its own central axis. Because the rotation is not mechanically driven rotation occurs at varying velocities and directions due to the effect of the centrifugal force created by the offset movement. Should the friction forces be such as to prevent rotation of the disc while the tool is still operating, the DA random orbital movement would simply become an orbital movement. The number of disc rotations is variable and independent of the number of orbits performed. The DA random orbital movement is at present the best compromise in terms of effectiveness and surface finish quality.

TRIPLE ACTION: RUPES has developed a new type of movement deemed "Triple Action". The power of a motor can be expressed as the product of the torque multiplied by the velocity. During the normal use of a tool, the operator applies a variable load, which by effect of friction on the surface and the work carried out by the motor might be such as to reduce the number of revolutions of the motor. The load applied by the operator during normal use of a tool varies significantly over a measure of time, causing large variations in velocity of the number of orbits and the rotation of the pad and consequently reducing the uniformity and effectiveness of the process.

A more homogeneous process leads to a significant reduction in working time by delivering consistent and predictable movement from the tool. Results become consistent and predicatable, thus reducing the time required to complete a task. In the case of triple action tools, and similar to the movement of DA random orbital tools, the pad follows an orbit and is free to rotate about its own central axis but, thanks to a special epicyclic gear reducer located in front of the cam group, the torque value is significantly increased while at the same time the velocity is reduced. With the use of this solution the impact of a variable in performance, in this case the load applied by the user, is substantially minimized and greater uniformity of performance is realized.

The Triple Action design provides a considerable improvement in the surface finish as well as a drastic reduction in the vibration levels experienced by the operator. The advantages of this configuration are noticeable from the very first use. The addition of the epicyclic gear reduction is a technical innovation that so profoundly improves and changes the functionality of the tool that it merits a new movement category, henceforth known as TRIPLE ACTION.

PERFECT RESULTS

Achieving polished perfection on a surface as efficiently as possible is the primary goal of the BigFoot project. BigFoot simplifies the polishing process, substantially reducing time and producing the optimum result. Thanks to the complete range of polishers, pads and compounds, all designed to work in synergy, BigFoot's innovative system based approach guarantees exceptional results in less time for virtually any polishing application.

BIGFOOT LH 19E

Rotary Polisher

Featuring a high torque motor, compact design, premium ergonomics and a lightweight housing, the LH 19E is one of the most capable and maneuverable rotary polishers on the market. Its lightweight and powerful design makes it the ultimate rotary polishing solution for a variety of industries including automotive detailing, collision repair and refinishing, marine, and more.

ROTARY

TECHNICAL DATA		
Ø Backing Plate	mm-in	**125 - 5" / 150 - 6" / 165 - 6.5"**
Power	Watts	**1200**
R.P.M.		**450 - 1700**
Weight	kg-lbs	**2.2 - 4.85**
Speed Regulation		•
Backing plate thread		**5/8"**

ANTI-VIBRATION LOOP HANDLE

An innovative loop handle allows users to hold the polisher securely at different angles for precision and stability during the polishing process. The soft grip material and the special design absorb and dissipate vibration to improve operator comfort as well as protect delicate surfaces from damage. The new loop handle is included standard with each tool.

ANTI-VIBRATION SIDE HANDLE

A soft grip side handle reduces the vibration during the polishing operation and provides comfortable control of the polisher. Featuring a new design and the specialized materials to absorb and dissipate the vibration from the machine the handle can be added to either side, depending on operator preference, and is included with the polisher DLX kits.

EXTRA LONG ELECTRICAL CORD

The new heavy duty cord is a generous 9 meters (29.5 feet) long with the proper gauge to deliver maximum power to the polisher for safe, efficient operation. The longer cord saves time, steps and hassle by eliminating the need for extension cords to reach around an entire vehicle.

ELECTRONIC SPEED CONTROL DIAL

An all new variable speed dial provides the ability to adjust speeds for specific applications. The dial features larger numbers, a click sensation to indicate speed changes, and is positioned for effortless adjustment during the polishing process. It is also protected by the addition of a rubber guard that prevents damage to the dial when the tool is placed on a cart or table between uses.

PROGRESSIVE TRIGGER

Adding an additional level of control, the LH 19E includes a progressive trigger. This trigger acts as a throttle allowing the operator to control speeds within the dial range to deliver the exact desired speed and to adjust quickly as needed without interruption to the work process.

BIGFOOT MILLE LK 900E

Gear Driven Dual Action Polisher

Joining the BIGFOOT family of tools and bridging the gap between rotary and free spinning orbital polishers the Mille provides a balance of power, ergonomics, and capability for operators who crave a gear driven solution. Featuring a wide assortment of new, innovative features as well as a revolutionary clockwise rotational movement the BIGFOOT Mille delivers powerful defect removal, versatility, and consistent performance in an ergonomic package designed with operator comfort and efficiency of work in mind.

GEAR DRIVEN

TECHNICAL DATA		
Ø backing plate	mm-in	**125 - 5" / 150 - 6"**
Ø orbit	mm-in	**5 - 3/16"**
Power	Watts	**900**
R.P.M.		**265 - 535**
Weight	kg-lbs	**2.80 - 6.17**
Speed regulation		**•**
Backing plate thread		**6 x M4**

CLOCKWISE ROTATION

The BIGFOOT Mille uses a specially designed electric motor, developed in-house by RUPES. This design allows for a clockwise rotational movement which translates to increased levels of control and comfort for the operator. Competitive tools feature a counter-clockwise movement which can increase unwanted lateral movement and create fatigue for the operator.

EXTRA LONG ELECTRICAL CORD

The new heavy duty cord is a generous 9 meters (29.5 feet) long with the proper gauge to deliver maximum power to the polisher for safe, efficient operation. The longer cord saves time, steps and hassle by eliminating the need for extension cords to reach around an entire vehicle.

ELECTRONIC SPEED CONTROL DIAL

An all new variable speed dial provides the ability to adjust speeds for specific applications. The dial features larger numbers, a click sensation to indicate speed changes, and is positioned for effortless adjustment during the polishing process. It is also protected by the addition of a rubber guard that prevents damage to the dial when the tool is placed on a cart or table between uses.

PROGRESSIVE TRIGGER

Adding an additional level of control, the Mille includes a progressive trigger. This new trigger design acts as a throttle allowing the operator to control speeds within the dial range to deliver the exact desired speed and to adjust quickly as needed.

DOUBLE RUBBER SUPPORT

Every aspect of the Mille has been considered in the design, even when the tool is not being used. Two rubber supports are positioned on the body of the machine to keep it stable when resting on a table or cart.

BIGFOOT Mark II

RUPES' tools change the way people work and help technicians achieve professional results faster and more easily. We know that the satisfaction of a job well done is the target of all detailers and paint refinishing professionals and our design efforts are always directed at helping you acheive that goal.

The BigFoot random orbital polishing system is designed specifically for professionals that demand the best possible finish. BigFoot's large diameter random orbital movement guarantees swirl-free finishes and the possibility of single step correction in many applications.

The ongoing research and development efforts of RUPES have resulted in two high-performance random orbital polishers that offer the smoothest and most effective polishing experience in the category. The **LHR21 Mark II** and the **LHR15 Mark II** exceed the highest standards and continue to build on their reputation as the tools that redefined the standards for polishing professionals around the world.

+30%

EFFICIENCY

A more powerful motor, with less energy consumption and a higher level of performance.

MORE SPEED AND TORQUE

Higher RPM and more torque that guarantees maximum performance on flat or curved surfaces.

OPTIMUM BALANCE

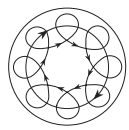
Balance between the eccentric and mechanical parts results in vibration free performance.

LOWER VIBRATION LEVEL

Lower stress on the operator allows for prolonged use of the tool in almost any position.

LHR 21 MarkII

With its 21mm orbit and its Ø150mm backing pad, the **LHR 21 MarkII** random orbital polisher is the perfect choice for working large surface areas and "panel-off" work. It produces results quickly, without neglecting the RUPES branded quality and comfort. The ultra-efficient motor guarantees more power and torque on every surface.



RANDOM ORBITAL

TECHNICAL DATA

Ø backing plate	mm-in	**150 - 6"**
Ø orbit	mm-in	**21 - 13/16"**
Power	Watts	**500**
O.P.M.		**2500 - 4700**
Weight	kg-lbs	**2.7 - 5.95**
Speed regulation		•
Backing plate thread		**M8**

IMPROVED ERGONOMICS

The rubber cup positioned on the head of the machine provides grip and further refines the flawless BigFoot polishers design. The soft-grip material makes it pleasant and secure to hold. Practical handgrip, silent mechanics, minimum vibrations: these are just some features that makes BigFoot the market's most versatile and sought-after system.

ELECTRONIC SPEED CONTROL MODULE

The variable speed dial provides the ability to adjust speed for specialty applications. The speed controller on the handle permits polishing at a speed precisely adjusted to suit the task at hand, and can also be regulated during the usage, thus avoiding any interruption. The pad rotates at the selected speed, maintaining specified speed under load, from 2500 to 4700 RPM, and employs exactly the right amount of power needed for the specific task. The speed control gives the user six settings for any polishing situation.

IMPROVED BALANCE

The perfect balance of the components makes polishing comfortable and vibration free. This ensures an optimum transfer of power to the surface, and makes even hard-to-reach spots accessible, and guarantees top polishing results. That means that you can work for longer with greater comfort. The complete balance of the tool body allows more sensitive control when polishing.

ON-OFF SWITCH LOCK

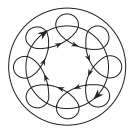
The on-off switch button located on the left side of the handgrip helps the operator to move his hands freely to different gripping positions while polishing and its location prevents it from being pressed accidentally. Thanks to this feature the tool is safe also for extended use applications.

DESIGN

Attention to detail is something more than just attractive design. Every detail, such as the rubber support positioned on the body of the machine to keep it stable during the non-working stages, is the result of meticulous research aimed at achieving maximum operator comfort.

LHR 15 MarkII

Built to handle almost any detailing situation, the new **LHR 15 MarkII** is the ultimate choice for detailing professionals that seek a balance of power and manuverability. The ergonomic design allows for precise paint correction with complete comfort, including curved surfaces. The powerful motor is 30% more efficient than previous generations and delivers maximum performance through the entire speed range.



RANDOM ORBITAL

TECHNICAL DATA		
Ø backing plate	mm-in	**125 - 5”**
Ø orbit	mm-in	**15 - 19/32”**
Power	Watts	**500**
O.P.M.		**2500-5300**
Weight	kg-lbs	**2.6 - 5.73**
Speed regulation		**•**
Backing plate thread		**M8**

IMPROVED ERGONOMICS

The rubber cup positioned on the grip refines the flawless BigFoot polishers design. The soft-grip material makes it pleasant and secure to hold. Practical handgrip, silent mechanics, minimum vibration: these are just some features that makes BigFoot the market's most versatile and sought-after system.

ELECTRONIC SPEED CONTROL MODULE

The Variable speed dial provides the ability to adjust speeds for special applications. The speed controller on the handle permits polishing at a speed precisely adjusted to suit the task at hand, and can also be regulated during use, thus avoiding any interruption. The pad rotates at the selected speed, maintaining specified speed under load, from 2500 to 5300 OPM, and employs exactly the right amount of power needed for the specific task. The speed control gives the user six settings for any polishing situation.

IMPROVED BALANCE

The perfect balance of the components makes polishing comfortable and vibration free. This ensures an optimum transfer of power to the surface, and makes even hard-to-reach areas accessible and guarantees top polishing results. That means that you can work for longer with greater comfort. The complete balance of the tool body allows more sensitive control when polishing.

ON-OFF SWITCH LOCK

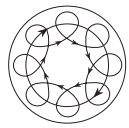
The on-off switch button located on the left side of the handgrip helps the operator to move his hands freely to different gripping positions while polishing and the location prevents it from being pressed accidentally. Thanks to this feature the tool is safe also for extended use applications.

DESIGN

Attention to detail is something more than just attractive design. Every detail, such as the rubber support positioned on the body of the machine to keep it stable during the non-working stages, is the result of meticulous research aimed at achieving maximum operator comfort.

LHR 21ES

The polisher that started a revolution. The RUPES BigFoot LHR21ES was the first of the entire range to gain widespread recognition for its incredible balance, low vibration performance, and the ability to produce exceptional results in less time than any polisher before it. Characterized by its large 21mm orbit and 150mm backing plate the LHR21ES promises time proven performance and reliability backed by legendary RUPES quality.



RANDOM ORBITAL

TECHNICAL DATA

Ø backing plate	mm-in	**150 - 6”**
Ø orbit	mm-in	**21 - 13/16”**
Power	Watts	**500**
O.P.M.		**2000-4200**
Weight	kg-lbs	**2.6 - 5.73**
Speed regulation		**•**
Backing plate thread		**M8**

ELEGANTLY DESIGNED

The RUPES R&D and Design departments have paid particular attention to the design and ergonomics of the BigFoot polishers. The perfectly balanced machine body, the practical handgrip, the silent operation and minimum vibration are just some of the characteristics that help make BigFoot the market's most versatile and sought-after system.

ANTISPIN SHROUD

The multi-function antispin shroud is designed to protect the operator against the moving parts and act as a clutch for the backing plate to prevent further stress on the foam polishing pad when it is not in direct contact with the surface. The shroud is a key element of the BigFoot tool design that also maintains airflow directionality and cooling dynamics for the interior of the tool.

ELECTRONIC SPEED CONTROL MODULE

The speed control dial on the handle is both practical and easy to access during use. The speed of the polisher can be easily regulated during operation, thus avoiding any interruption of the polishing process for adjustments.

ON-OFF SWITCH LOCK

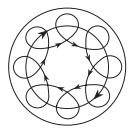
Pressing the button on the left side of the handgrip while polishing locks the on-off switch. This allows the operator to move his hands freely to different gripping positions while the tool is operating.

DESIGN

The attention to detail is not limited to just the innovative and attractive design. The modern lines and exceptional technical quality are combined with a number of details that are the result of meticulous research aimed at achieving maximum operator comfort.

LHR 15ES

The 15mm orbit and the RUPES Ø125mm backing plate make the LHR15ES random orbital polisher particularly suitable for most general paint correction tasks. While the orbit is shorter than that of its big brother the LHR 21ES, the LHR15ES features a higher RPM level which provides equivalent cutting power, in spite of the smaller orbit. Paired with Ø150mm BigFoot polishing foam pads the system promises vibration-free operation making the LHR 15ES a real gem; a must for the tool kit of every detailer.



RANDOM ORBITAL

TECHNICAL DATA

Ø backing plate	mm-in	**125 - 5”**
Ø orbit	mm-in	**15 - 19/32”**
Power	Watts	**500**
O.P.M.		**2000-5000**
Weight	kg-lbs	**2.5 - 5.51**
Speed regulation		**•**
Backing plate thread		**M8**

ELEGANTLY DESIGNED

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ANTISPIN SHROUD

The multi-function antispin shroud is designed to protect the operator against the moving parts and act as a clutch for the backing plate to prevent further stress on the foam polishing pad when it is not in direct contact with the surface. The shroud is a key element of the BigFoot tool design that also maintains airflow directionality and cooling dynamics for the interior of the tool.

ELECTRONIC SPEED CONTROL MODULE

The speed control dial on the handle is both practical and easy to access during use. The speed of the polisher can be easily regulated during operation, thus avoiding any interruption of the polishing process for adjustments.

ON-OFF SWITCH LOCK

Pressing the button on the left side of the handgrip while polishing locks the on-off switch. This allows the operator to move their hands freely to different gripping positions while the tool is operating.

DESIGN

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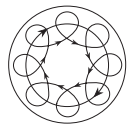
LHR 12E DUETTO

This simple, intuitive and exceptionally comfortable tool allows any operator to tackle even the most challenging polishing operation. The LHR 12E is perfect for deep correction work using foam backed abrasive discs and can then be deployed as an efficient polisher to remove defects and restore a high gloss finish. The 12mm orbit allows the operator exceptional control in difficult applications such as edge and profile work.



RANDOM ORBITAL

TECHNICAL DATA

Ø backing plate	mm-in	**125 - 5”**
Ø orbit	mm-in	**12 - 1/2”**
Power	Watts	**400**
O.P.M.		**4000-5500**
Weight	kg-lbs	**2.6 - 5.73**
Speed regulation		**•**
Backing plate thread		**M8**

ELEGANTLY DESIGNED

With its nonslip rubber inserts in the front cover, the LHR 12E is perfect for all polishing operations in difficult to reach zones. The operator can work in comfort to produce the best results possible. Hand positions are integrated directly into the tool body giving the operator an incredibly direct feel for the polishers performance.

DUAL FUNCTION: SANDING AND POLISHING

The LHR 12E and its 12mm orbit can be used with fine grit abrasives to speed up deep correction operations. The tool can then use foams and compounds to refine the abrasive scratches and restore a lustrous finish.

ANTISPIN SHROUD

The multi-function antispin shroud is designed to protect the operator against the moving parts and act as a clutch for the backing plate to prevent further stress on the foam polishing pad when it is not in direct contact with the surface. The shroud is a key element of the BigFoot tool design that also maintains airflow directionality and cooling dynamics for the interior of the tool.

ELECTRONIC SPEED CONTROL MODULE

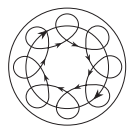
The speed controller is both practical and easy to use. Located on the rear section of the tool it is easily accessed during operation to adjust speed without interruption, but placed in a way that prevents inadvertent speed changes by accidental contact.

DESIGN

The attention to detail is not limited to just the innovative and attractive design. The modern lines and exceptional technical quality are combined with a number of details that are the result of meticulous research aimed at achieving maximum operator comfort. The non-slip rubber inserts are numerous and have many functions. In particular, the insert on the machine body is used to support the polisher when placed on a surface.

LHR 75E MINI

It is often said that the devil is in the details. The LHR 75E is specifically designed for those difficult detailed shapes, edgework, and hard to access areas that can't be addressed with a full size polisher. Its compact size, low front end profile and powerful correction ability make it the ideal tool for spot repairs, headlight restoration, motorcycles, and any number of specialized tasks. The Mini is a must for any detailer wishing to obtain perfect results, even in the most difficult to polish areas of a vehicle.



RANDOM ORBITAL

TECHNICAL DATA		
Ø backing plate	mm-in	**75 - 3"**
Ø orbit	mm-in	**12 - 1/2"**
Power	Watts	**400**
O.P.M.		**4000-5500**
Weight	kg-lbs	**2.3 - 5.07**
Speed regulation		**•**
Backing plate thread		**M6**

ELEGANTLY DESIGNED

With its nonslip rubber inserts on the front cover, the LHR 75E Mini is perfect for all polishing operations in difficult to access areas. The operator can work in perfect comfort to produce the best possible results on surfaces that simply cannot be addressed with a full sized polisher.

ON-OFF SWITCH LOCK

Lined in non-slip rubber, the on/off lever of the LHR 75E Mini polisher ensures a controlled soft start. Operators will enjoy the ease of control over the tool, even in awkward positions or areas that require them to use the tool with only one hand.

MAXIMUM FLEXIBILITY

Thanks to the small diameter backing plate, the LHR 75E is perfect in polishing applications on small and intricate areas. The small machine dimensions and the 12mm orbit allow for precise control on intricate surfaces.

ELECTRONIC SPEED CONTROL MODULE

The speed controller is both practical and easy to use. Located on the rear section of the tool it is easily accessed during operation to adjust speed without interruption, but placed in a way that prevents inadvertent speed changes by accidental contact.

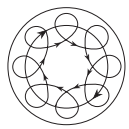
DESIGN

The attention to detail is not limited to just the innovative and attractive design. The modern lines and exceptional technical quality are combined with a number of details that are the result of meticulous research aimed at achieving maximum operator comfort. The non-slip rubber inserts are numerous and have many functions. In particular, the insert on the machine body is used to support the polisher when placed on a surface.

nano iBrid

The Bigfoot Nano iBrid is more than just technology, **it's a design philosophy** that will lead us into the future evolution of RUPES. iBrid ushers in an era of innovation, **flexibility, versatility, and sustainability**. The new iBrid manufacturing concept will increase process efficiency and optimize the user experience. The dual power functionality give operators the choice of battery or corded power supply. For ultimate versatility the multi-action movements in the Nano revolutionize the approach to cleaning and detailing. The high performance motor saves energy offering **optimal performance with low environmental impact and energy savings**.

nano BigFoot® iBrid



RANDOM ORBITAL

ROTARY

TECHNICAL DATA

MODEL	HR81M	HR81ML
Voltage VDC (Volt)	10.8 - 12	10.8 - 12
R.P.M.	2000-5000	2000-5000
Battery Life	~30min*	~30min*
Charging time	~20min	~20min
Electronic speed control	•	•
Overcurrent protection	•	•
Soft Start	•	•
Led indication	•	•
Dimensions (mm)	287x70x47**	332x70x47**
Dimensions (inches)	11.2x2.75x1.85**	13x2.75x1.85**
Weight (g - lbs)	470 - 1.04**	520 - 1.15**

*The value is reffered to a use of the battery pack 9HB120LT, fully charged with a charger 9HC120LT and normal use with a Rupes polisher HR81M/HR81ML and functional unit orbit 12mm and Ø30mm polishing pad.
**Measured without a fuctional unit, battery pack and power supply.

ERGONOMIC DESIGN

The tapered shape of the power supply keeps the compact design and single handed operation of the tool while still providing endless operation time.

ON/OFF SPEED CONTROL DIAL

Acting both as the on/off switch and a variable speed control with settings from 1 through 6, the speed control dial is effortless to adjust and provides high visibility of the selected setting, even when adjusting during operation. A multi-function LED indicator directly above the speed control dial provides battery and tool status.

BATTERY CHARGER

Custom designed to fit the NANO's unique battery pack system, the charging station indicates charge status using integrated LED lights and provides 100% charge from zero in approximately 20 minutes.

ROTARY ACTION

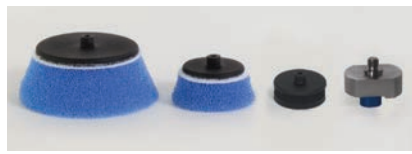
Fast paint correction on edges and profiles with **Ø30mm** (1.18" in) backing plate.

Cleaning and brushing with special accessories

DUAL ACTION Ø3mm

Micro-sanding and denibbing
Ultra high gloss polishing with:

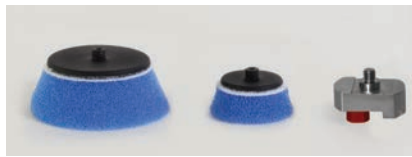
Ø30mm (1.18"in) backing pad
Ø50mm (1.96"in) backing pad



DUAL ACTION Ø12mm

Paint correction and high gloss polishing with:

Ø30mm (1.18" in) backing pad
Ø50mm (1.96" in) backing pad



BIGFOOT TRIPLE ACTION


HIGH TORQUE EFFICIENCY
IMPROVED PERFORMANCE
REDUCED WORKING TIMES
LOW VIBRATION

BIGFOOT LTA125 - LTA75

Triple Action Polishers

Ergonomic, lightweight, and powerful. The LTA125 and LTA75 introduce a new innovative technology defined as "Triple Action" in the pneumatic polisher category. The dual action random orbital movement of these tools is combined with epicyclic gearing that delivers levels of torque and consistency of movement never before seen in pneumatically powered tools. Triple Action movement provides incredible balance, low vibration, high torque and extremely consistent pad movement regardless of operator-exerted downward pressure. Both tools are ideal for polishing operations in several industries that include automotive detailing, aviation, marine, industrial, and many much more.

TRIPLE ACTION

TECHNICAL DATA

		LTA75	LTA125
Ø backing plate	mm-in	**75 - 3"**	**125 - 5"**
Ø orbit	mm-in	**15 - 19/32"**	**12 - 1/2"**
Working pressure	bar-PSIG	**6.2 - 90**	**6.2 -90**
Air consumption max	l/min-CFM	**380 - 13.4**	**400 - 14.1**
O.P.M.		**0-6000**	**0-6000**
Weight	kg-lbs	**0.90 - 1.15**	**1.3 - 2.13**
Speed regulation		•	•
Backing plate thread		**M6**	**M8**

HIGH TORQUE EFFICIENCY

An innovative epicyclic gear reduction located in front of the cam assembly significantly increases torque output while at the same reducing velocity. The result is a profound impact on one of the biggest variables in tool performance; the load applied by the user. By minimizing the variations caused by operator applied force a greater uniformity of performance of the tool is realized.

SPEED CONTROL

The speed controller on the handle is both practical and easy to use. The speed of the polisher can also be regulated during use, thus avoiding any interruption of the polishing operation.

ADJUSTABLE AIR OUTLET

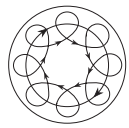
In addition to being an air outlet, the device also acts as a silencer. Mounted on the base near the air connection, the small silencer is an extremely effective way of deadening the noise generated by the flow of compressed air.

DESIGN

The attention to detail is not limited to just the innovative and attractive design. The modern lines and exceptional technical quality are combined with a number of details that are the result of meticulous research aimed at achieving maximum operator comfort.

LHR 75

The small pneumatic random orbital polisher has a Ø15mm orbit and a Ø75mm backing pad, allowing the tool to work in awkward and difficult to reach areas. The reduced size and high cutting capacity, combined with the RUPES BigFoot Ø 80/100 mm polishing foam pads, make the LHR 75 the ideal polisher for spot repairs, polishing contoured areas and parts such as mirrors and pillars.



RANDOM ORBITAL

TECHNICAL DATA

Ø backing plate	mm-in	**75 - 3”**
Ø orbit	mm-in	**15 - 19/32”**
Working pressure	bar-PSIG	**6.2 - 90**
Air consumption max	l/min-CFM	**320 - 11.3**
O.P.M.		**0 - 11000**
Weight	kg-lbs	**0.65 - 1.43**
Speed regulation		•
Backing plate thread		**M6**

ELEGANTLY DESIGNED

The ergonomic hand grip also allows full control of the polisher using just one hand. The hand grip is lined with a composite material, extremely resistant to impact and mechanical stresses, designed to isolate the hand from the air ducts and guarantee greater comfort. The rubber cover guarantees maximum grip and precision in the movement of the tool when both hands are used.

SPEED CONTROL

The speed controller on the handle is both practical and easy to use. The speed of the polisher can also be regulated during use, thus avoiding any interruption of the polishing operation.

EXTREMELY LIGHTWEIGHT

The LHR75 pneumatic mini weighs a mere 0.65 kilograms (1.43 lbs). Thanks to its light weight spot repairs, edgework, or polishing processes in compact spaces cause much less fatigue for the operator.

ADJUSTABLE AIR OUTLET

In addition to being an air outlet, the device also acts as a silencer. Mounted on the base near the air connection, the small silencer is an extremely effective way of deadening the noise generated by the flow of compressed air.

DESIGN

The attention to detail is not limited to just the innovative and attractive design. The modern lines and exceptional technical quality are combined with a number of details that are the result of meticulous research aimed at achieving maximum operator comfort.

TOOL
BACKING PAD
POLISHING PAD

THE THREE CRITICAL SYSTEM COMPONENTS ARE DESIGNED TO WORK IN COMBINATION TO GUARANTEE LOW VIBRATION LEVELS AND THE BEST POSSIBLE POLISHING RESULT.

The BigFoot random orbital polishing system is designed for maximum efficiency, ease of use and operator comfort. Using BigFoot with RUPES original backing plates and RUPES original polishing pads results in a technical system that guarantees the best possible polishing result. It also ensures that the tool has perfect balance and a substantially reduced vibration level. The use of backing plates or compound carriers other than members of the BigFoot family of products can lead to a reduction in performance and can further affect the technical and mechanical characteristics of the tool, changing its balance and increasing vibration. Increased vibration not only affects the comfort and overall safety of the operator, but can also result in significantly diminished tool life.


RUPES
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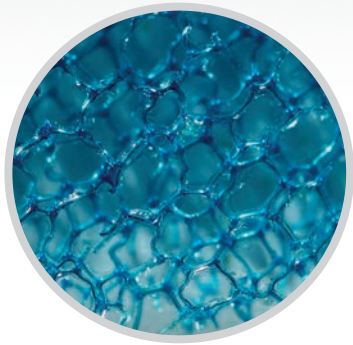
9.BF180H


RUPES


RUPES

BIGFOOT FOAM POLISHING PADS

THE FOAM PAD IS ONE OF THE MOST IMPORTANT ELEMENTS IN THE POLISHING PROCESS; MANY VARIABLES IN THE TECHNICAL SPECS OF RUPES FOAM HAVE TO BE TAKEN INTO CONSIDERATION TO OPTIMIZE PERFORMANCE. EACH PROPRIETARY FOAM COMPOUND PROVIDES UNIQUE CHARACTERISTICS TO ADDRESS DIFFERENT PAINT CONDITIONS OR APPLICATIONS WHILE MAXIMIZING THE PERFORMANCE OF THE POLISHING TOOL.

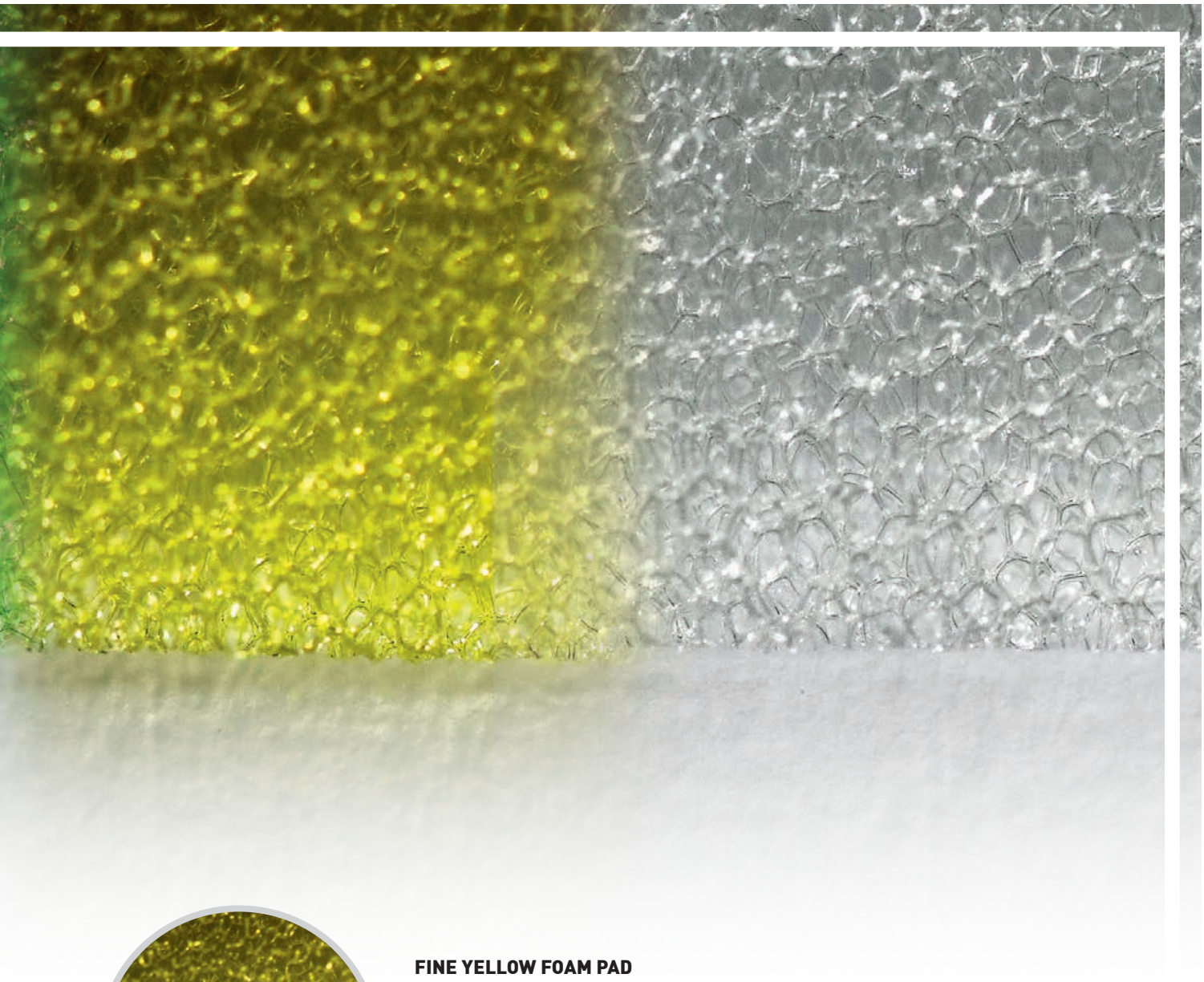


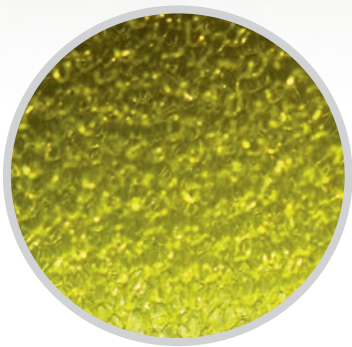
COARSE BLUE FOAM PAD
Fast cutting performance with a class leading finishing ability.
Available for dual action machines, random or gear driven, and for single action rotary.
Different cell structure, resin and profiles are designated for the different tool movments and are optimized for the RUPES compound viscosity and lubrication.

Blue COARSE compounds are recommended.

MEDIUM GREEN FOAM PAD
Medium cutting with clean finishing.
Available for dual action random orbital machine only
Optimized for the RUPES compound viscosity and lubrication.

Green MEDIUM compound is strongly recommended.





FINE YELLOW FOAM PAD
Fine cut with a deep gloss finish.
Available for dual action machine, random or gear driven, and for single action rotary.
Different cell structure, resin and profiles are designated for the different tool movments and are optimized for the RUPES compound viscosity and lubrication.

Yellow FINE compounds are recommended.

ULTRA-FINE WHITE FOAM PAD
Formulated for a show car finish.
Available for dual action random orbital and for single action rotary.
Different cell structure, resin and profiles are designated for the different tool movments and are optimized for the RUPES compound viscosity and lubrication.

White ULTRA FINE compounds are recommended.

BIGFOOT FOAM

For Random Orbital and Triple Action Polishers

RUPES expanded resin foam polishing pads are specially designed for the random orbital polishing system. They produce excellent results with substantial time saving and reduced compound consumption. BigFoot's random orbital movement creates high mechanical stresses on the foam polishing pads, generating an increase in internal temperature. The innovative "open cell" structure of the BigFoot foam polishing pads prevents the build-up of heat generated during the polishing process. In addition, this particular structure guarantees maximum efficiency in the polishing process with minimum downward vertical pressure from the operator. The center hole creates superior ventilation and heat dispersion through special channels in the backing pad. The innovative design of the tapered cone shape optimizes the performance of the large diameter orbit, and at the same time protects against accidental contact between the backing pad and the work surface.

POLISHING PADS

For Gear Driven Polishers

This new foam pad range has been designed to maximize the transmission of the gear driven tools mechanical movement to the work surface. The low profile, tapered, design cut from the proprietary RUPES foams performs predictably and consistently with the movement of a dual action tool. The shortened height of the foams improves user experience by reducing the overall distance from the operator to the work surface and also improves stability and control during all phases of the polishing process.

The lower profile aids in reducing pad distortion caused by the gear driven tools movement and torque output.

The new foam pad range features 2 foam types:
Blue foam pad for cutting and defect removal
Yellow foam pad for light correction and finish refinement

BIGFOOT FOAM

For Rotary Polishers

Completely new foam formulations specifically optimized for rotary applications.The system includes 3 types of foam pads designed to give the operator choices depending on the desired outcome or surface conditon to be addressed. Open cell foam materials were chosen to minimize excessive heat.The pad profile helps to prevent accidental contact between the backing plate and the panel. 25mm (1 inch) thickness for each pad version available in 5", 6", or 7" inch pad sizes.

POLISHING PADS

COARSE BLUE FOAM PAD
The high performance and aggressive blue foam removes severe defects and sanding marks on painted surfaces.

FINE YELLOW FOAM PAD
Eliminates moderate surface defects and imperfections while restoring high gloss. The new foam structure provides a smooth and comfortable polishing experience.

ULTRA-FINE WHITE FOAM PAD
The completely new soft foam technology removes fine imperfections and creates a unbelievably high gloss finish. Highly recommended when using rotary on dark colors.

BIGFOOT WOOL POLISHING PADS

The new wool pad range is compatible with the random orbital and the gear driven polishers included in the BigFoot family. The face of both wool pads is constructed of 100% natural fibers attached to a polyester backing material layer. Quality control for the wool is monitored through the entire manufacturing process to ensure a high level of consistency for predictable and consistent performance.

The blue foam backing of the coarse wool pad is more rigid which maximizes the translation of tool movement to the work surface, providing increased cutting power.

The yellow foam backing of the medium wool pad is much more flexible to allow for improved control on curves and contours, as well as providing a softer support to allow for improved finishing ability.

BLUE WOOL POLISHING PADS COARSE

All the pads in the coarse wool range are constructed using two distinct fiber lengths creating a dual density wool surface and a specific visible pattern. More than just an aesthetic detail, this configuration provides a great balance of cutting power and finishing ability when compared to traditional or single density wool pads.

RECOMMENDED COMPOUNDS

Coarse or medium abrasive compounds (Zephir or Quarz) are recommended when coarse wool pads will be used with a free spinning random orbital tool such as the LHR15 or LHR21 tools.

Mille Coarse abrasive compound is recommended when coarse wool pads will be used with the BigFoot Mille gear driven polisher.

YELLOW WOOL POLISHING PADS MEDIUM

The yellow medium wool pad range features a consistent 15mm fiber length through the entirety of the pads surface. This soft and flexible wool, paired with a soft and flexible yellow foam backing, provides excellent cutting of moderate defects and excellent finishing ability on most surfaces.

RECOMMENDED COMPOUNDS

Coarse, medium, or fine abrasive compounds (Zephir, Quarz, or Keramik) are recommended when medium wool pads will be used with a free spinning random orbital such as the LHR15 or LHR21 tools. The selection of compound will depend on the work surface and severity of defects to be addressed.

Mille Coarse abrasive compound is recommended when medium wool pads will be used with the BigFoot Mille gear driven polisher.


RUPES
Bigfoot
COARSE
WOOL POLISHING PAD


RUPES
Bigfoot
MEDIUM
WOOL POLISHING PAD

BIGFOOT MICROFIBER POLISHING PADS

The second generation innovative RUPES PATENTED microfiber polishing pads are manufactured using a polyurethane resin directly injected into the structure between the velcro interface and the microfiber fabric. The resin crosslinks directly to both materials to provide a stable and secure bond without the use of adhesives. Due to the unique moulding technique, RUPES is able to offer a pad with an beveled edge, allowing easy conformabiliity to all shapes during the polishing process. In addition to helping dissipate heat, the center hole also helps to center the microfiber polishing pad onto the backing plate.

CUTTING AND FINISHING

The microfiber fabric is manufactured in two versions, coarse for the correction step to enhance the cutting capacity of the abrasive, and fine for light action to promote the gloss level or the removal of finer defects.

MAIN ADVANTAGES

Quick defect correction on hard clear coats.
Efficient defect removal on a variety of surfaces.
Greatly reduced polishing cycle times.
Reduced compound dusting.
Comfortable and easy to use.

SPIRAL SLOTS, A REAL INNOVATION

The innovative spiral slots represent an important technical improvement with a unique design. Developed for use with BigFoot random orbital polishers, the spiral slots provide 3 key benefits:

1. Heat dissipation through improved airflow.
2. Weight reduction to maintain machine balance.
3. Controlled and measured spreading of compounds.

COARSE BLUE MICROFIBER POLISHING PAD

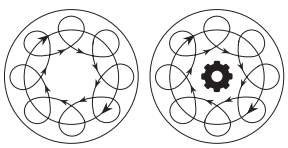
The Coarse Microfiber Pads are designed for removing heavy swirl marks, scratches and oxidation from any color paintwork. The cutting version features a specific blend, density and fiber length all intended for heavy cutting with coarse BigFoot polishing compound. The highly specialized fiber provides significant defect removal, even on the hardest paints.

FINE YELLOW MICROFIBER POLISHING PAD

The Fine Microfiber Pads are designed to restore the depth and clarity to your vehicle's paintwork. The high density microfiber is perfect for removing light swirl marks and holograms using fine BigFoot polishing compound. The Fine Microfiber Pads eliminate light imperfections delivering a high gloss finish.

BIGFOOT POLISHING COMPOUNDS

BigFoot abrasive compounds are the result of in-depth studies and research and consist of high quality abrasive mixes, all silicone free. Polishing compounds require a unique formula to assure that the product has the perfect combination of viscosity and aggressiveness. These unique compositions result in a product whose consistency delivers the best possible solution for uniform distribution on the polishing pad. Nine different types of compounds are available, each satisfying a particular polishing need.



RANDOM ORBITAL AND TRIPLE ACTION POLISHING COMPOUNDS

The compounds are specifically designed for random orbital and triple action polishing. Four different types of compounds are available, Zephir (Coarse), Quarz (Medium), Keramik (Fine) and Diamond (Ultra-fine). In combination with the RUPES foam, microfiber, or wool pads they satisfy every polishing need.

COARSE

A high-performance compound recommended for first step polishing. Its grain is the most "aggressive" of the BigFoot abrasives and is used for the rapid removal of marks and scratches. At the same time Coarse compound is highly effective in restoring paints and creating a high degree of gloss in one step.

MEDIUM

A medium abrasive compound that easily repairs minor surface scratches and minor scoring from sources such as car wash brushes. Medium Compound can be used with full confidence that it will not leave halos or holograms and will leave a wax ready finish.

MILLE POLISHING COMPOUNDS

Specifically formulated for the gear driven tool movement with abrasives that respond well to the increased friction and force as well as lubrication systems that allow for a smoother user experience. The new mille abrasive compounds are formulated to get the best performance from a gear driven tool.

ROTARY POLISHING COMPOUNDS

This range, formulated specifically for rotary polishers, maximizes efficiency, and results for the high speed and aggressive nature of the rotary movement while delivering and excellent finish. The compounds are bodyshop safe and suitable for any paint type, after-market or OEM.

FINE

The ideal composition for perfect finishes, these fine water-soluble abrasive compounds are ideal for totally eliminating paint defects for a hologram-free final step of spot repair, following the microabrasive nib removal process.

ULTRA FINE

Specifically formulated for the final finishing pass and its ultra-fine abrasive generates a deep lustre and color depth. The product is water soluble, allowing for easy removal of any residue. The extreme lustre and gloss that all professionals have sought for years are finally easily within reach!

UHS EASY GLOSS

Ultra High Solid Surface Polishing Compound

UHS POLISHING SYSTEM

Designed for scratch resistant and high solid ceramic paints, the RUPES UHS Polishing System REMOVES IMPERFECTIONS AND LEAVES A HIGH-GLOSS FINISH IN JUST 1-STEP. The UHS foam pads also perform well with the RUPES Zephir (Blue), Quarz (Green) and Keramik (Yellow) compounds in heavy correction and gloss enhancement applications with most types of clear coat paints.

UHS FOAM POLISHING PAD

High Solids Clear Coat Polishing Pad

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