"FROM START TO FINISH, ACCEPT NO SUBSTITUTES!"





METAL | 2020 PUBLICATION

ABOUT TIMESAVERS

Timesavers manufactures some of the most powerful and efficient metalworking solutions in the industry. Our metal grinders and deburring machines are fully customizable and can be equipped with a wide variety of different head types to automate almost any metalworking project. We understand that different projects and executions require different technology, and that's why we also offer the industry's largest range of machine configurations and features (including head configurations, wet-vs-dry, abrasive selection, etc.) to ensure that our metal grinders meet and exceed your expectations and demands. Make no mistake, nobody offers a wider selection of versatile and high-quality automated grinding solutions than Timesavers.

TIMESAVERS | PRODUCT SUMMARY



METAL

CREATIVITY AND TECHNOLOGY GO HAND-IN-HAND AT TIMESAVERS

We subscribe to the premise that different options are required for different applications and there is nobody who offers a broader range of machines than Timesavers. In addition, Timesavers also develops and produces machines for special applications up to complete turnkey project solutions with innumerable types of peripheral equipment. Timesavers thinks in terms of solutions and likes to meet your challenge with vigour and enthusiasm.

HEAD TYPES:

- Wet
- 🕂 Dry
- Wide Belt
- Brush
- Hammerhead/Slag Grinder

MACHINE LINES:

- 11 Series
- 12 Series
- 22 Series
- 32 Series
- 42 Series
- Rotary Brush
- 31 Series (Lynx)
- 41 Series (Puma)
- Manual Grinder
- Hammerhead/Slag Grinder
- Dust Collection





WOOD

TIMESAVERS IS THE LEADER IN WOOD SANDING MACHINERY

Timesavers has over 70 years of experience in manufacturing woodworking machinery. Our wood sanders are built with the automation of professional craftsmanship in mind, utilizing the best and most durable components to guarantee peerless performance and reliability. We understand full well that each woodworking project has unique requirements and specifications, and that's why we offer an extensive variety of head types and machine lines to match your needs. Timesavers will stop at nothing to ensure that you find the perfect machine for your application, saving you valuable time and increasing your bottom line in the process.

HE	AD TYPES:
 +	Knife Planer

- Wide Belt
- Segmented Polisher
- Orbital
- Brush Machines
- CNC Sander
- Top/Bottom

MACHINE LINES:

- SpeedSander
- 13 Series
- 23 Series
- + 33 Series
- 53 Series
- Yieldsaver
- Moulding Sander









Timesavers offers solutions for deburring, edge rounding, finishing and precision grinding of Zintec, aluminum, copper, mild steel, stainless steel, titanium and alloy parts.

DEBURRING WITH A TIMESAVERS DEBURRING MACHINE

Deburring is the removal of irregularities on metals. They can mainly be found on the edges of the material and are often caused by machining work such as laser, water jet, punched or plasma cutting. Discover Timesavers' broad machine line for eff ective and efficient deburring.

GET THE BEST FINISH WITH TIMESAVERS

Machine finishing applies to, for example, stainless steel and aluminum in two versions: a hairline and a grain finish. Timesavers offers a wide range of quality finishes with abrasive belts and brushes.

ARE YOU LOOKING FOR THE MOST BEAUTIFUL AND BEST ROUNDING OF METAL?

A radius is created on the edge of the metal during edge rounding of metal products. This ensures that the sharpness of the edge is removed and it is given a uniform rounding. Timesavers offers perfection in edge rounding with a radius of up to two mm in a single pass.

PRECISION GRINDING WITH TIMESAVERS' INNOVATIVE GRINDING TECHNOLOGY

Surplus material such as the oxide layer is removed from metal products through surface grinding when you apply precision grinding.

SLAG REMOVAL

Slags occurs when metal melts because of, for example, autogenous and plasma cutting. Slag removal deserves a special approach for which Timesavers offers the ultimate solutions.

REMOVAL OF LASER OXIDE SKIN WITH TIMESAVERS' RECENT INNOVATION

Laser oxide occurs on metal and stainless steel when laser cutting using oxygen, and it must be removed for subsequent coating processes. Timesavers has developed a perfect solution for the removal of laser oxide.





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Economical machines, ideal for deburring and finishing small parts. The combination of a small footprint and minimal power requirements allow these models to be easily placed where the need is greatest. Simple operation and controls require minimal training for an operator to effectively produce finished parts.

The 11 series machine is compact and requires a minimum of energy, and therefore the machine can be installed everywhere.

The 11 series operates wet and has an integrated product dryer and paper belt filter. The machine is easy to operate. After just a few minutes of training, a perfectly finished product can already be produced. The 11 series is delivered with a 9" wide conveyor belt.

The 12 series is available in 9", 25" and is suitable for the deburring and finishing of small parts.

This dry working deburring machine has an abrasive belt, brush or both and is suitable for deburring a large number of metals. If the machine is set up with a grinding belt and a rotating disc, the vertical burrs are removed by the grinding belt and the side burs are removed by the disc. The disc also ensures product edge rounding at the same time.

Efficiency and ease of use.

Management of all Timesavers machines is ergonomic and intuitive. The 11/12 series are perfect examples of this.



Available configurations:

D	9"	25"	Number of heads	1 - 2
DD	9"	25"	Head types	drum, brush
DB		25"	Machine width	9", 25"
			Disc diameter	18"
			Main drive motor	5, 10, 15 HP



- Automatic table height adjustment: 0-3".
- Throughput of 10 30 ft/min frequency controlled.
- U.L Certified.

APPLICATIONS AND BENEFITS:

- Removal of vertical burrs from laser, die and water jet cut parts.
- Flat parts and parts that can be placed flat.
- Stainless steel, steel, aluminum, copper, etc.
- Rough grinding of heavy-duty burrs and finishing in one pass on multi-attachment machines.
- Option of edge breaking/fine grinding with brush.
- Optimum ease of use.



Image: Single Single





21/22 SERIES

The 21/22 Series can be configured for metal finishing or deburring at an affordable price, with many standard features that other companies only offer as options. This versatile group of machines is available in up to three widths, and up to three heads in a combination of drum and brush heads (Wet version single drum head only).

Reduction of costs and increase of efficiency

By combining an abrasive belt and a brush, products can be deburred and rounded in one go. The machine is produced for deburring laser cut metal and edge rounding of sides and all of this while incurring very low costs.

Available configurations:

21 Series Only)	25"	37"	
22 Series)	25"	37"	52"
E	3	25"	37"	52"
DI	3	25"	37"	52"
DI)	25"	37"	52"
BI	3	25"	37"	52"
DDI	3	25"	37"	
DDI)	25"	37"	52"
DBI	3	25"	37"	52"



Specifications:					
-	22 Series	21 Series			
Number of heads	1 - 3	1			
Head types	drum, brush	drum			
Machine width	25", 37", 52"	25", 37"			
Abrasive belt length	75", 103"	60"			

- Rigid table installed on 4 synchronous spindles.
- Frequency controlled transport motor, 15 45 fpm.
- Automatic setting of the table height: 0 6".
- Electronic oscillation.
- Dust extraction on dry models.
- U.L Certified.

APPLICATIONS AND BENEFITS:

- Removal of vertical burrs from punch, laser and water jet cut parts.
- Stainless steel, steel, aluminum, copper, etc.
- Deburring and surface finishing in one go using several heads.
- Very low operating costs and a high production capacity.
- Air Knife Dryer (21 Series)
- Integrated filter system (21 Series)



ST ST
E Finishing

				Edge ro
Specifications:	22		21	
Table opening	0-6"		0-5"	
Throughput	15 - 45 fpm		15 - 30 fpm	
Adjustable contact roller/brush diameter	4, 6, 8, 11"		6"	
Applications	deburring, finish	ning a	nd edge rounding	

Edge rounding

Deburring



32 SERIES

The 32 series is a compact dry operating machine for deburring, edge rounding and/or finishing different materials. The machine offers the perfect price to performance ratio.



The 32 series has been developed based on our European partner's Red Dot Award winning 42 series and is equipped with Timesavers RB technology

The machine forms the new standard in deburring, edge rounding and finishing technology for a broad range of materials. This compact machine can be supplied with the rotary brush attachment.

Very small parts can be machined due to the use of a vacuum table

Much attention has been paid to ease of use and user comfort with regard to this stylish and efficient deburring and finishing machine. The result is a machine that can be operated intuitively and easily. In addition, consumable use is low, the machine is energy efficient and the price-quality ratio is optimal. The machining process can be easily observed because of the angled control panel and the large wind.

The ultimate deburring and finishing machine

Our innovative high-quality deburring and rounding technologies ensure that the latest deburring machine from the Timesavers 32 series is the perfect machine for the metal machining industry.



Available configurations:

1 - 3	" Number of heads	43"	RB
drum, rotating brush, hammerhead	" Head types	43"	DRB
43"	" Machine width	43"	DRBD
10 HP	" Main drive motor	43"	HRBD
4 (quick to change brush system)	Number of brushes		

- Machine working width: 43".
- Efficient ergonomic operation through a user friendly Siemens HMI (installed under a 45° angle for a clear view of the machining process).
- Vacuum table for machining smaller products (2" x 2").
- The vacuum table has an integrated cleaning cycle.
- LED beam on the infeed side that indicates the machine status.
- Frequency-controlled motors for flexibility during the process.
- Easy to replace brush units.
- Various brush types are possible for multifunction use of materials.
- Automatic adjustable table height: 0 4".
- Conveyor speed up to 25 fpm.
- U.L. Certified.

APPLICATIONS AND BENEFITS:

- Contact time with brushes: 24".
- The 4 brushes have a total of 50 sq. ft. of abrasive agent.
- For the removal of burrs on laser, water jet, punched and cut products.
- Material that can be machined: stainless steel, steel, aluminum, copper, etc.
- The preliminary removal of large burrs and finishing of surfaces in one pass.
- Breaking edges/finishing of metal with a brush.
- Removal of the oxide skin with a special brush.
- Low tooling costs and very low energy consumption.
- Maximum user friendliness and optimal view of the machining process.

Deburring Finishing Oxide skin removal

Table opening	0 - 4"	Edge rounding
Throughput	Up to 25 fpm	
Brush diameter	12" (12" length)	
Adjustable contact roller diameter	6"	
Applications	deburring, finishing, oxide skin removal and edge rounding	



42 SERIES

For ultimate deburring, finishing, edge rounding, laser oxide removal, and heavy slag removal.

Discover the ultimate machine for uniform deburring, edge rounding, and finishing of your products. Reade everything about the Timesavers 42 Series RB below. The 42 Series is the most popular and award winning Timesavers machine.

This machine has been developed for people who want only the best

The 42 RB series offers the solution for manufacturers who supply premium quality products. This top quality is achieved through a multi-rotating brush machine with eight abrasive flap brushes that deburr uniformly and round the edges of the metal perfectly. This makes it possible to achieve a radius of 2 mm on mild steel and even more on softer material like aluminum.

The Timesavers Rotating Brush Machine

This deburring machine can also be provided with one or more abrasive belt heads and therefore it will perfectly remove very large burrs and/or it will guarantee the perfect finish. The machine is suitable for machining punched, laser-cut and plasma-cut part and even 3D and milled parts with deep pockets. With the use of a standard vacuum table with automatic vacuum control also small parts (from 2") up to large parts, up to 63" can be machined. The materials that can be machined include stainless steel, aluminum, zincor, zinc and laser film products. Available in this machine segment is the use of Cobots and integration in an Industry 4.0 / Smart Industry software platform.

Do you want to know more about the Timesavers Rotating Brush Machine and its performance? Contact Timesavers' experts for professional advice.



Available configurations:

RB	52"	63"		
DRB	52"	63"	Specifications:	
RBD	52"	63"	Number of heads	1 - 4
DRBD	52"	63"	Head types	drum, rotating brush, hammerhead
DDRB	52"	63"	Machine width	52" and 63"
DDRBD	52"		Main drive motor	20 HP, 25 HP
HDRB	52"		Sanding belt length	75"



- Centralized and user friendly control panel.
- Automatic table opening of 0 4".
- Carousel rotating brush heads equipped with 4 brushes rotating to the left and 4 to the right.
- Frequency-controlled conveyor belt with a speed up to 25 fpm.
- Window panels and lit interior for process observation.
- Brushes with an extremely long service life no less than 3000 hours.
- LED beams on the infeed and outfeed that show the machine status.
- Available with 1 or 2 abrasive belt contact roller heads.
- Vacuum table with access for internal cleaning.
- Quick exchange system for brushes and abrasive belts.
- U.L. certified.

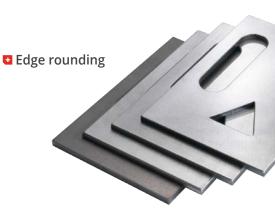
APPLICATIONS AND BENEFITS:

- The removal of burrs on laser, plasma or water jet, punched, cut parts, machined and routed parts.
- Stainless steel, steel, copper, aluminum, copper, etc.
- Deburring of Zintec, galvanized and plated material, aluzinc, alclad, incl. ink-marked parts.
- Uniform and controllable side radius for, for example, the aerospace, catering and medical industries.
- Use of Cobots integration in an Industry 4.0/Smart Industry software platform.





Table opening	0 - 4"
Throughput	Up to 25 fpm
Brush diameter	14"
Adjustable contact roller diameter	7", 11", & 18"
Applications	deburring , finishing, edge rounding





ROTARY BRUSH

Both the 32 & 42 Series Rotary Brush machines can be configured for metal finishing or deburring by using any combination of four wide belt and brush heads. This heavy duty series of machines includes automatic raise/lower for each of the sanding heads for ease of use.



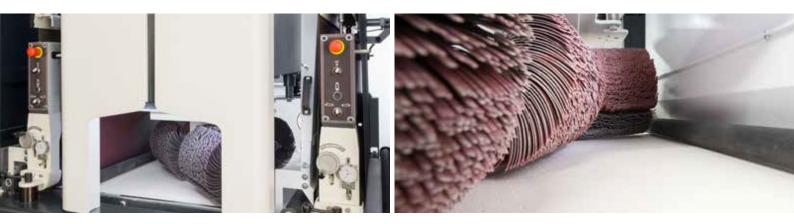
Timesavers offers rotary brush solutions in our 32 & 42 Series that have machine widths of 43" and 52". The Rotary Brush Machine is a great add to any line that needs a fully deburred part The machines form the new standard in deburring, edge rounding and finishing technology for a broad range of materials.

Very small parts can be machined due to the use of a vacuum table

Much attention has been paid to the ease of use and user comfort with regard to these stylish and efficient deburring and finishing machines. The result is a machine that can be operated intuitively and easily. In addition, consumable use is low, the machines are energy efficient and the price quality ratio is optimal. The machining process can be easily observed because of the angled control panel and the large window.

The ultimate deburring and finishing machine

Our innovative high-quality deburring and rounding technologies ensure that the latest deburring machine from the Timesavers 32 & 42 series are the perfect machines for the metal machining industry.



Available configurations:

RB	43"	52"	Number of heads	1 - 3
DRB	43"	52"	Head types	drum, rotary brush
DRBD	43"	52"	Machine width	43", 52"
			Main drive motor	10 - 30 HP
			Number of brushes	4 or 8 (quick to change brush system)

- Machine working width: 43" or 52", model dependent.
- Efficient ergonomic operation through a user friendly Siemens HMI only on 43" model only.
- Vacuum table for machining smaller products.
- The vacuum table has an integrated cleaning cycle. (43" only).
- LED beam on the infeed side that indicates the machine status. (43" only).
- Frequencycontrolled motors for flexibility during the process.
- Easy to replace brush units.
- Various brush types are possible for multifunction use of materials.
- Automatic adjustable table height: 0 4".
- Conveyor speed from 0-25 fpm.
- U.L. Certified.

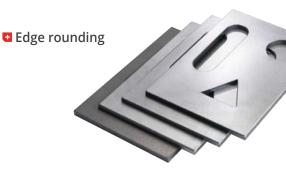
APPLICATIONS AND BENEFITS:

- 4-8 Brushes depending on model.
- For the removal of burrs on laser, water jet, punched and cut products.
- Material that can be machined: stainless steel, steel, aluminum, copper, etc.
- The preliminary removal of large burrs and finishing of surfaces in one pass.
- Breaking edges/finishing of metal with a brush.
- Low tooling costs and very low energy consumption.
- Maximum user friendliness and optimal view of the machining process.





Table opening	0 - 4"
Throughput	0 - 25 fpm
Brush diameter	12" (12" length)
Adjustable contact roller diameter	6"
Applications	deburring, finishing, oxide skin removal and edge rounding





31 SERIES (LYNX)

The 31 Series deburring machine (formerly known as the LYNX) is available in a width of 19 " and 37". The machine is suitable for deburring and finishing metal.







Two widths and innumerable possibilities

The 31 Series machine is engineered and designed to machine your exact needs. The 19" machine is available in up to four heads, while the 37" is available up to three. These machines are equipped with a powerful sanding belt and is the ideal machine for grinding and finishing square pipes and sheet steel. The 37" can be produced with brush attachments.

The 31 Series, a complete Timesavers Machine

The 31 series is a complete machine with an integrated coolant filter system to cool the metal products during machining. This ensures that the abrasive belt's service life is extended. The wet-working system uses filter paper to filter the coolant before it is recirculated. A high-pressure air system dries the metal products while they are exiting the machine.

Optimum machining process in combination with ease of use

The 31 series is the ultimate machine for fast and efficient deburring and finishing. The machine can be easily operated thanks to a well-organized and clear control panel.

APPLICATIONS AND BENEFITS:

- The removal of burrs on laser, water jet, punched and cut metal parts.
- Suitable for stainless steel, steel, aluminum, titanium etc.
- Can deburr and finish surfaces in one pass.
- Edge breaking deburring of metal with an abrasive belt and brush.
- Optimum production process and ease of use.

Available configurations:

		37"	19"	D
		37"	19"	DD
		37"	19"	DDD
tions:	Specifications:	37"	19"	DDDD
heads 1 - 4	Number of heads	37"	19"	DB
types drum, brush	Head types	37"	19"	DDB
width 19", 37"	Machine width	37"	19"	DDB
length 60"	Sanding belt length	37"	19"	DDDB
ghput 15-45 fpm	Throughput	37"	19"	DDBB





41 SERIES (PUMA)

Timesavers 41 Series Machine (formerly known as the PUMA series) is engineered, designed, and built for 24/7 operations. The PUMA is available in one to four heads in any combination of wide belt abrasive heads and brush heads, and in 37" and 52" widths. Maintenance and upkeep on the 41 series machines is designed to be simple; operators can easily access both sides of the machine, which allows them the ability to spray down the entire machine at the end of the shift to extend service intervals. The 41 Series is your best choice for the demanding needs of deburring and finishing in a production setting.

The 41 Series has been developed for high volume production

This wet, high-quality grinder is available with one to four heads in combination with wide abrasive belts, disc, and brush heads. This makes the machine extremely suitable for machining thin, oiled, greasy, and/or highly inflammable metal parts and materials.

Timesavers offers the 41 Series in three operating widths: 37" & 52"

The 41 Series can be accessed on all sides and is easy to clean

This wet grinding and deburring machine can be perfectly and easily maintained. The entire machine can be pressure cleaned daily due to the ease of maintenance.

Consistent Performance Guaranteed

The 41 Series is a great machine for running high volumes.

APPLICATIONS AND BENEFITS:

- Machining greasy parts or products with die oil.
- Products are washed automatically and leave the machine dry and dust-free.
- Suitable for mixed material without having to change the abrasive media.
- Removal of burrs on laser, water jet, punched and cut products.
- Suitable material: stainless steel, steel, aluminum, copper, titanium, super alloys, etc.
- The preliminary removal of large burrs and finishing of surfaces in one pass.
- Efficient and ergonomically operated through a user friendly HMI.

Available configurations:

D	37"	52"				
DD	37"	52"				
DDD	37"	52"				
DDDD	37"	52"	Specifications:	Specifications:		
DB	37"	52"	Number of heads		1 - 4	
DDB	37"	52"	Head types		drum, brush	
DBB	37"	52"	Machine width		37", 52"	
DDDB	37"	52"	Sanding belt length		75"	
DDDB	37"	52"	Throughput		15-45 fpm	



MANUAL GRINDER

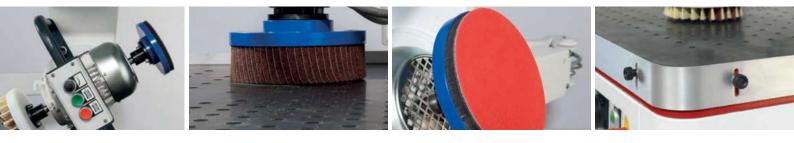
A versatile machine with vacuum hold down, and a rotatable head to swap between heavy grinding and edge rounding/deburring. Ideal for metalwork projects that require both deburring and grinding.

The manual grinder for perfect deburring, edge rounding and finishing of metal

This ensures that an abrasive medium can be used for heavy-duty grinding on one side and, on the other side, for example, a brush for deburring, edge rounding and/or finishing. A mirror finish can also be created if required. Last but not least, the 180 degree rotating shaft makes rapid switching between different consumables easy.

The manual grinder is ergonomically responsibly designed for optimal operating conditions The machine has a special mat with high friction surface to fix the parts during deburring and finishing. Smaller parts are kept fixed in their place through the integrated vacuum.

Link the operating ease of the manual grinder to an increased production capacity Get information from Timesavers' experts. They will gladly provide good advice.



Available configurations:

1	Number of heads	MG 51" x 31.5"
disc / cup	Head types	
6"	Disc diameter	
180°	Rotating grinding attachment	

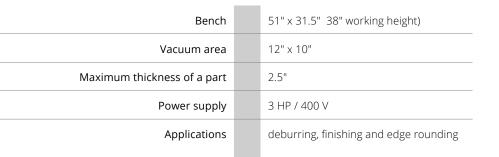
- Movable arm in 2 positions with weight compensation.
- Grinding belt for the removal of rough burrs.
- High friction mat for small parts.
- The grinding dust is collected in a removable tray.
- Frequency-controlled drive.
- 50 x 30 in bench.
- Weight approx. 600 lbs.
- 400 V connection with vacuum table.
- 1 HP main motor.
- Side panels that can be adjusted with regard to height for personal protection and machining large parts.
- U.L. Certified.

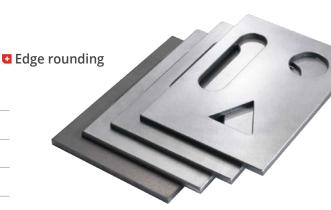
APPLICATIONS AND BENEFITS:

- Long service-life flap brushes and therefore a reduction in material costs.
- 3 4 times faster than manual deburring.
- Uniform edge rounding/deburring.
- Affordable starting model.
- Optimum user friendliness.















Available configurations:

DD 37" 52" **Specifications: Specifications:** 37" DDB 52" Н 37" 52" Number of heads 1 - 4 3 - 45 fpm. Feed Speed HD 37" 52" Head types hammerhead, rotary, drum Main Drive Motors 20 - 40 HP 37" 0-5" HDD 52" Opening Applications deburring, slag removal, edge rounding HDRB 37" 52" HDDB 37" 52"

HAMMERHEAD / SLAG GRINDERS

A robust machine that uses a special head configuration of a hard drum, soft drum and optional brush heads to effortlessly rip through slag. Ideal for heavy slag/dross removal and deburring.

The Slag Grinder is perfect for the removal of heavy dross, and deburring of metal The Slag Grinder is a tool that grinds off the dross created by plasma or water jet cutters.

The Slag Grinder is offered in different duty cycles. The 1200 slag grinder is available for lighter duty operations, while the 2200 Slag Grinder is for a more heavy duty shop.

The dry process Hammerhead machine is a slag grinding machine specializing in the removal of heavy slag on plasma cut steel parts.

The machine consists of replaceable flexible pins to remove the heavy slag/dross created by plasma cutting. This machine replaces the process of laborers scraping or hammering the dross off manually.

STANDARD VERSION:

- Hammerhead slag grinder now available in 37" & 52" widths.
- Hammerhead machine is now available in four configurations.
- Frequency controlled drive.
- Great for labor savings.
- Reduces dust inhalation and carpal tunnel in employees.
- U.L. Certified.





DUST COLLECTION

Timesavers offers portable and full sized, stainless steel dust collectors. The portable WDC is ideal for small to mid-sized metalworking projects & mobile operations, while the stainless steel dust collectors work for large-scale metalworking projects & 24/7 operations.

Our Dust Collection units are meant for safe and efficient collection of various dusts from grinding and deburring operations.

The potable wet dust collectors are a truly portable dust collection system. Each unit utilizes water to the sanding particulate from the air.

WDC dust collectors have an auto-fill system. This allows for either auto or manual fill hook up.

Water is used as the filtering media which cases the metal particles to be captured in the tank while clean air exhausts from the units.





Available configurations:

PWDC-F5	5 HP	1,200 CFM	1 Inlet
WDC-5	5 HP	1,850 CFM	1 Inlet
WDC-7	7.5 HP	2,250 CFM	1 Inlet
WDC-10	10 HP	2,850 CFM	2 Inlets
WDC-15	15 HP	3,750 CFM	2 Inlets
WDC-25	25 HP	5,500 CFM	2 Inlets

FROM START TO FINISH

TIMESAVERS





Timesavers global sales team





TIMESAVERS INC

11123 89th Ave North Maple Grove, Minnesota USA T +763 488 6600 F +763 488 6601 info@timesaversinc.com www.timesaversinc.com

