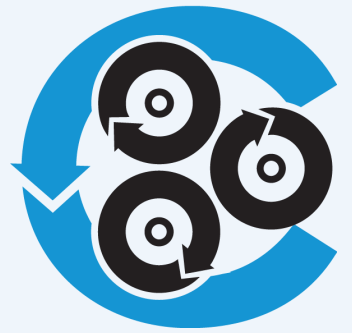


aztec



Equipment Catalog 2018



Equipment Engineered for Quality Work at High Speed
FOR VCT / CONCRETE / TERRAZZO FLOORS



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201 Commerce Drive, Montgomeryville, PA 18936

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FAMILY OWNED, AMERICAN MADE

Aztec is a family-owned USA manufacturer of concrete polishing and resurfacing machines and converter of gasoline engines to LPG for other equipment manufacturers.

GREEN CERTIFICATIONS

All equipment and engine conversions are proudly made in the USA, with CE, EPA, CARB, LEED and GS-42 certifications.

CONCRETE TRAINING CERTIFICATIONS

Aztec's Concrete Training Certification programs are offered 3x/year providing hands on experience in crack repair, surface prep, grinding, polishing, refreshing, coloring and maintaining concrete floors. Training is open to contractors, distributors, product reps, and anyone who wants to learn more about the lucrative possibilities for concrete floors.

CONCRETE DIAMONDS

Buy concrete diamonds on Aztec's sponsored website, www.concretediamonds.com.

SOCIAL MEDIA

Follow Aztec on [Facebook](#), [Instagram](#), [LinkedIn](#), [Twitter](#) and [YouTube](#)!



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201 COMMERCE DRIVE
MONTGOMERYVILLE, PA 18936



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The ONLY Complete Strip and Wax System

WORKSMART™ STRIP SYSTEM

STEP 1: Apply Strip Solution with the Liquidator

Apply strip solution up to 45,000 sqft/hr with the Liquidator. Includes a 36 gallon (136L) solution tank and an adjustable applicator width of 26" to 52" (66cm-132cm).



STEP 2: Strip Floors with the Sidewinder

The Sidewinder's unique planetary drive and 3 counter-rotational brushes will strip 15,000 sqft/hr. At that speed the Sidewinder is 10x faster than a corded electric machine and 3x faster than a battery powered machine. The Sidewinder will strip up to 7 layers of wax in one pass.

STEP 3: Strip Finish under Gondolas and Hard to Reach Areas

The Edgewinder is a propane powered edger with less than 4" (10 cm) high deck and 26" (64 cm) reach, to get back deep in under racks, gondolas and shelving. Strips up to 50 linear feet per minute.



STEP 4: Retrieve Strip Solution with the Guzzler

The Guzzler retrieves 30,000 sqft/hr at walking speed. This easy to use system will squeegee a floor 3x faster than a wet vac or autoscrubber.

STEP 5: Apply the Finish with the Grand Finale

The Grand Finale applicator reduces chemical usage by 30% and applies finish at up to 35,000 sqft/hr. No puddles, dry spots or streaking thanks to the Grand Finale's battery powered precision release system.



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The Liquidator

WORKSMART™ STRIP SYSTEM-STEP 1

Solution Applicator with 36 Gallon (136 L) Capacity

ID# 012-52

FAST:

Applies up to 45,000 square feet of solution in less than one hour (4180 m²/h).

ADAPTABLE WIDTH:

Spreader arm adjusts from 26" to 52" (66cm-132cm) and is spring loaded to accommodate obstacles and narrow aisles.

PORTABLE:

Weighs only 90 lbs (41kg).

DEPENDABLE:

Manually powered: no cords, batteries or motor.



- Rugged solid steel frame
- Stainless steel roller bearings for reliability
- Simple and user-friendly
- Easy access for cleaning through 8" lid opening
- Corrosion proof polyethylene tank

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aztec The Sidewinder

WORKSMART™ STRIP SYSTEM-STEP 2

Sidewinder Propane Floor Stripper and Scrubber

The Sidewinder's three individually powered brushes strip at unmatched speed and aggressiveness. The propane powered Sidewinder is available in 24" (61 cm) and 30" (76 cm).

FAST:

- Strip 15,000 sqft/hr (1393 m²/h)
- Scrub 30,000 sqft/hr (2787 m²/h)
- 10x faster than corded electric
- 3x faster than an autoscrubber
- 1.5x faster than battery powered

AGGRESSIVE:

Unique planetary scouring action plus heavy brush pressure results in high productivity with no side torque.



EFFICIENT:

Save labor – eliminate up to 8 hours of labor expense compared to corded electric equipment.



- Strips 7-10 layers of finish in just one pass
- Rugged, all steel construction
- Planetary brush drive eliminates strip shadows and side torque
- Unique floating head design allows brushes to address irregular surfaces
- Brush RPM speed combined with up to 288 lbs. (130 kg) of head pressure delivers fast, deep stripping or scrubbing
- Standard centrifugal clutch substantially increases belt life
- Transport wheel for easy loading and maneuvering
- Additional 8 gallon (30.3L) water tank available upon request
- Available in 24" (61 cm) and 30" (76 cm) models
- Green certifications: EPA, CARB, LEED, CE, GS-42
- Optional engine meeting Blue Sky standards



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aztec The Edgewinder

WORKSMART™ STRIP SYSTEM-STEP 3

Low Profile Propane Edger for Hard to Reach Areas

LOW PROFILE

Edging with less than 4" (10 cm) high deck and 26" (66 cm) reach allows the Edgewinder to get back deep in under racks, gondolas, and shelving

AGGRESSIVE

Strip up to 50 linear feet per minute with the 14" (36 cm) diameter Stratagrit brush to dig out years of accumulated floor finish. Easily cuts through layers of edge build up. Strips at a walking pace.



HARD TO REACH PROBLEM SOLVER

Floating flexible guard contains strip solution, allows close contact with walls, shelving legs, corners, and other tight areas.

SAFE FOR INDOOR USE

Powered by 13hp PurePower by Aztec 390 Series propane engine with battery key start. Custom engineered catalytic muffler is EPA, CARB, LEED certified.

ID# 017-02

- Floating flexible guard contains strip solution, allows close contact with walls, shelving legs, corners, and other tight areas
- Custom engineered catalytic muffler
- PurePower by Aztec 390 Series engine with battery key start
- Green certifications: EPA, CARB, LEED, CE, GS-42
- Optional engine meeting Blue Sky standards



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The Guzzler

WORKSMART™ STRIP SYSTEM-STEP 4

Solution Retriever with 36 Gallon (136 L) Capacity

ID# 015-62

DEPENDABLE

No motors, batteries or electric cords means no downtime for drained battery or blown fuse.

EFFICIENT

Up to 50% faster than other conventional recovery methods with no de-foamer required.



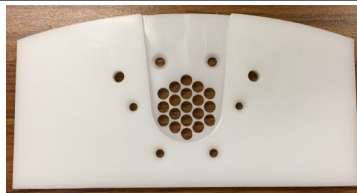
FAST

Twice the speed of an autoscrubber, with a 30" (76cm) squeegee path retrieves solution up to 30,000 sqft/hr (2787 m²/h).

PORTABLE

Dry weight of 65 lbs (30kg). Compact size and easy to maneuver.

Anti-Clog honeycomb Pump Plate



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The Grand Finale

WORKSMART™ STRIP SYSTEM-STEP 5

Floor Chemical Applicator



24" Head Assembly	ID# 050-1, 050-24
36" Head Assembly	ID# 050-1, 050-36
Spray Wand Upgrade	ID# 050-1S, 050-36

PRODUCTIVITY ON VCT, CONCRETE AND TERRAZZO

VCT Floor Finish: 23,500 - 35,000 sqft/hr (2183-3252 m²/h)

Concrete Densifiers, Hardeners and Sealers: 16,500 - 25,000 sqft/hr (1533-2322 m²/h)

Water or Solvent-Based Concrete Coating: 13,500 - 20,000 sqft/hr (1254-1858 m²/h)

- 8X faster than a mop and bucket
- Reduce chemical usage by 30%
- Works with most floor finish up to 40% solid
- Portable, lightweight and durable
- Adjustable pressurized application flow
- Battery run time of 5-7 hours
- Quick and easy clean up
- Includes (1) microfiber and (1) looped mop head for multi-purpose uses and applications
- Head assembly available in 24" (61 cm) and 36" (91.5 cm)
- Spray nozzle with flexible hose upgrade now available to access smaller areas



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The LowRider

WORKSMART™ MAINTENANCE SYSTEM

LowRider Propane Burnisher

High Speed Propane Burnishers for Daily Maintenance of VCT and Polished Concrete Floors



Standard	ID# 070-21-LR	ID# 070-24-LR	ID# 070-27-LR
Dust Control	ID# 070-21-LRD	ID# 070-24-LRD	ID# 070-27-LRD
Spray Mist	ID# 070-21-LRS	ID# 070-24-LRS	ID# 070-27-LRS

LOWEST emissions in the industry*, the LowRider is the ultimate floor burnisher for maintaining VCT and polished concrete floors. Available in 21" (54cm), 24" (61cm) or 27" (69cm) pad sizes, with optional Dust Control or Spray Mist upgrades.

- Ultra Low Profile: 4" (10 cm) for burnishing hard to reach areas
- Rugged, patented solid steel body
- 12 volt battery key start
- Adjustable comfort handle with click-n-lock throttle cable
- Advanced polymer composite pad driver
- Adjustable back wheels for controlled pad pressure
- Premium catalytic muffler for ultra low CARB and EPA emissions
- Low oil shut down and safety regulator fuel system
- Green certifications: EPA, CARB, LEED, CE, GS-42
- Optional engine meeting Blue Sky standards



*Source: www3.epa.gov/otaq/certdata.htm#smallsi



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LowRider Upgrades

WORKSMART™ MAINTENANCE SYSTEM

LowRider Propane Burnisher Optional Upgrades



Dust Control Collection Box

DUST CONTROL LOWRIDER

The LowRider Dust Control burnisher is for VCT, terrazzo and polished concrete floors.

Unique patent-pending vacuum system improves indoor air quality (IAQ) by containing air particulates, and an easy change floating dust skirt.

All LowRiders with dust control upgrade meet GS-42 and meets the US green building council LEED IEQ credit 3.4 requirements.



Dust Control Guide Hose

SPRAY MIST LOWRIDER

- The LowRider Spray Mist burnisher is for spray burnishing and diamond pad polishing VCT, terrazzo and polished concrete floors.
- Diamond pads last longer
- Low moisture cleaning
- Longer time between VCT stripping and concrete sealing cycles
- Longer hard floor life
- Time & labor savings while removing ground in dirt, scuffs and minor scratches in performing daily and weekly maintenance
- Adjustable spray nozzle position allows for a variable width spray radius, reaching up to a 95-degree angle

ID# 070-27-LRS



Adjustable Precision Spray Tip



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The ProScrub

WORKSMART™ MAINTENANCE SYSTEM

ProScrub 20" Automatic Scrubber

RUGGED

ECONOMICAL

DEPENDABLE

The ProScrub automatic floor scrubber wet scrubs and dry vacuums in one pass. The ProScrub is inexpensive and exceptionally simple to use and maintain. The 24-volt system delivers approximately 3 hours of run time when fully charged.



ID# 030-20

- 12 Gallon (45L) solution tank
- 15 Gallon (56L) recovery tank
- 3/4 hp Brush Motor/220 RPM
- 1/2 hp 24-volt vacuum motor
- 65 lb (29kg) scrubbing pressure
- Rugged stainless steel swivel casters
- Pad holder or brush available
- Reinforced 30" (76 cm) steel squeegee
- Easy access to key components for simple maintenance
- Stainless steel skirt hardware
- Tool-less squeegee removal for transport
- Power source 2-130 AH 12v deep cycle lead/acid batteries*

**AGM-battery package available*



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The Refresher

WORKSMART™ REFRESHER SYSTEM

The Aztec Refresher System is a machine engineered with the operator in mind. The Refresher is heavy and rugged enough to handle the aggressive demands of honing and polishing concrete, yet light and mobile enough to be highly maneuverable and smooth running for hours of continuous use.

The Refresher Multifunction 4-Step Process

STEP 1: Stripping/Deep Scrubbing

Strip or deep scrub the floor to remove VCT floor finish, sealer or deeply ground-in soils. Many polished concrete, terrazzo and marble floors have been coated with VCT floor finish or sealer, reducing their luster and making them higher maintenance.

STEP 2: Honing

Hone the floor to remove scratches or sealers using the quick-change Velcro® driver with hybrid diamonds. These diamonds will cut more deeply than resins, but not as deeply as metal diamonds, allowing the scratches or sealers to be removed. **NOTE: Do not use hybrids on marble floors.**

STEP 3: Polishing

Polish the floor using the Velcro® drivers with resin puck diamonds or the Mighty-Lok® drive with diamond pads.

STEP 4: Burnishing

Apply guard and burnish the floor using the Mighty-Lok® head to accept burnishing pads or diamond impregnated pads. Burnish until the floor heats to 90F / 32C.



- Gimbled head follows floor resulting in consistent gloss
- Planetary motion flattens while polishing floor
- Self-leveling, mechanically sealed drive unit
- Synchronous positive drive belt with metal synchronous drive pulleys
- Solid-lube multi-directional bearings with Nylons seals
- Premium German precision centrifugal clutch and custom catalytic muffler
- Rugged powder-coated US steel frame & body
- 8 Gallon water tank for wet operations
- Green certifications: EPA, CARB, LEED, CE, GS-42
- Optional engine meeting Blue Sky standards



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The Concrete and Terrazzo Floor System

WORKSMART™ CONCRETE SYSTEM



THE ULTRAGRIND: Propane Concrete Grinder & Polisher

The UltraGrind professional concrete grinder and polisher eliminates cords and generators. Starter and specialty packages available for chemicals, diamonds, propane vacuum and hand grinders.



THE ULTRAEDGE: Propane Concrete Grinding & Edging

The UltraEdge propane edger reaches 3" (7.6 cm) under a 5.25" (13.3 cm) high shelf and is part of the UltraGrind 3-piece WorkSmart cordless grinding, polishing, and edging system.



THE ULTRAVAC: Propane Powered Vacuum

For dust control when grinding, honing and polishing concrete and terrazzo floors with the WorkSmart Concrete System. Microclean air filter is 99% @ 0.5 microns with drop down dust pan for dust-free cleanup.

THE GRAND FINALE: Densifier Applicator

Evenly apply concrete densifiers, hardeners and sealers up to 25,000 sqft/hr. Water solvent-based concrete coating up to 20,000 sqft/hr. No puddles, dry spots or streaking with the battery powered precision release system.



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The UltraGrind

WORKSMART™ CONCRETE SYSTEM

The UltraGrind Propane Concrete Grinder & Polisher

ID# 040-1

The UltraGrind professional concrete grinder and polisher eliminates cords and generators. Starter and specialty packages available for chemicals, diamonds, propane vacuum and hand grinders.

- Part of the 3-piece WorkSmart cordless grinding, polishing, and edging system
- 8 Gallon (30.3 L) water tank (additional tank available upon request)
- Locking transport wheel
- Adjustable telescoping handle
- Steel body construction
- Removable panel for easy cleaning
- Transport wheel for easy loading and maneuvering
- Green certifications: EPA, CARB, LEED, CE, GS-42
- Optional engine meeting Blue Sky standards



Underside - 3 gear drive heads with 4 metal plates per head



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The UltraEdge

WORKSMART™ CONCRETE SYSTEM

The UltraEdge Propane Concrete Edger

ID# 041-1



Features include:

- Reaches 3" (7.6 cm) under a 5.25" (13.3 cm) high shelf
- Grinds and polishes within 1/4" (.6 cm) of walls
- Quick change plate system, Interchangeable with the UltraGrind
- Uses custom or standard abrasives
- Steel body construction
- Removable panel for easy cleaning
- Optional magnetic attachment system
- Green certifications: EPA, CARB, LEED, CE, GS-42
- Optional engine meeting Blue Sky standards



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The UltraVac

WORKSMART™ CONCRETE SYSTEM

The UltraVac Propane Dust Control Vacuum

ID# 040-VAC



Features include:

- 300 CFM
- 136 H₂O"/10 Hg"
- 2.75" (7 cm) inlet
- 9 Gallon (34 L) dust pan
- 12V battery start
- 28 sqft (8.5 m²) Microclean air filter
- Air filter is 99% @ 0.5 microns with drop down dust pan for dust-free cleanup
- Green certifications: EPA, CARB, LEED, CE, GS-42
- Optional engine meeting Blue Sky standards



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CONCRETE TRAINING CERTIFICATION



The Aztec Concrete Training Certification program is a comprehensive concrete floor training program to get you Concrete Certified so you can Grind, Polish, Maintain, Refresh, Color, Crack Repair, and Joint Fill Concrete Floors

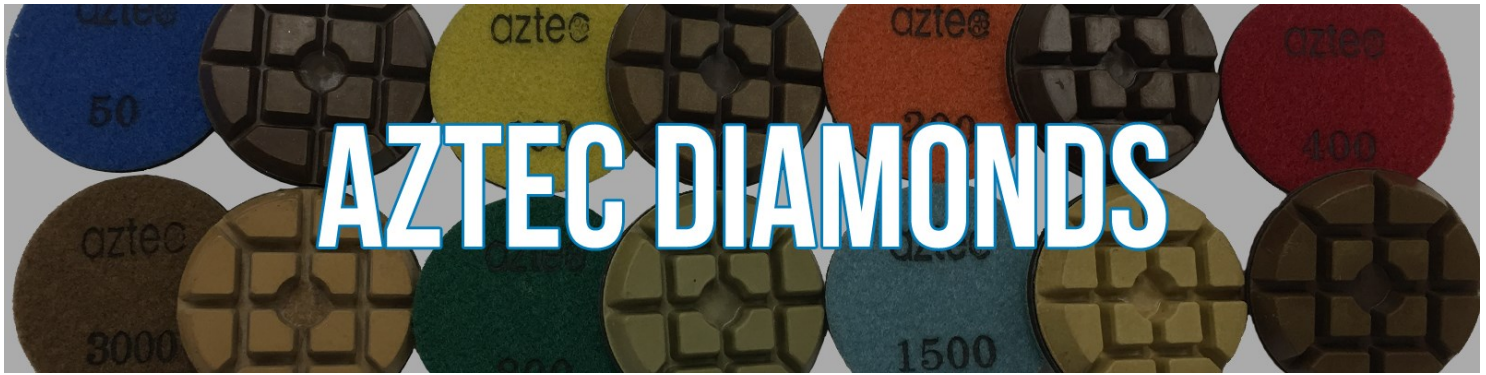
CALL: (800) 331-1423

EMAIL: marketing@aztecproducts.com

Visit: www.aztecproducts.com/concrete-training



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AZTEC DIAMONDS



METAL DIAMONDS – 5 SEG | 16-30 GRIT
 METAL DIAMONDS – 10 SEG | 16-30 GRIT
 METAL DIAMONDS – 10 SEG | 50-200 GRIT

Diamond 3" Hybrid Metal Bond Resin Diamonds, 30-Grit Aztec, for use on the Aztec [UltraGrind](#) or [UltraEdge](#). The [UltraGrind](#) machine has three (3) heads; each head holds four (4) diamonds; a complete set requires a set of twelve (12) diamond pucks. Diamonds are sold individual.

Approximate lifespan per set: 12,000 sqft, depending on the individual floor.



HYBRID DIAMONDS | 16-50 GRIT

Diamond 3" Metal Bond Diamonds for use on the Aztec [UltraGrind](#) OR the Aztec [UltraEdge](#). The [UltraGrind](#) machine has three (3) heads; each head holds four (4) diamonds; a complete set requires a set of twelve (12) diamond pucks. Diamonds are sold individual.

Approximate lifespan per set: 25,000 sqft, depending on the individual floor.



RESIN DIAMONDS | 50-3000 GRIT

Resin Diamonds are designed for use on the Aztec [UltraGrind](#), [UltraEdge](#), or [Refresher](#). Resins are sold individually. The [UltraGrind](#) and [Refresher](#) machines have three (3) heads; each head holds four (4) diamonds; a complete set requires a set of twelve (12) diamond pucks. The Aztec [UltraEdge](#) machine has one (1) head; each head holds four (4) diamonds; a complete set requires a set of four (4) diamond pucks.

Approximate lifespan per set: 8,000 sqft, depending on the individual floor.



10" FLOPPY DISCS | 30-800 GRIT

Aztec's 10" resin floppy discs are custom made for use on the [Refresher](#) and [UltraGrind](#). Each floppy disc includes six (6) embedded diamond pucks; floppy discs are sold individually. Floppy discs are easily installed with Velcro®, are more efficient, and will improve labor productivity.

The [UltraGrind](#) and [Refresher](#) machines have three (3) heads; each machine head holds one (1) floppy; a complete set requires a set of three (3) floppy discs.

aztec's

CONCRETE CHEMICALS



EZ-KUT GRINDING AGENT | 5 Gallon

Ameripolish® EZ-Kut Grinding Agent is a water based, pretreatment, rapid surface preparation agent used for the initial cut on hard, dense concrete and helps with exposing large aggregate faster than dry only or standard wet methods. EZ-Kut also helps by dramatically increasing the productivity of lower-grit diamond tooling. EZ-Kut Grinding Agent achieves this by suspending concrete solids away from the surface for diamond tools to achieve maximum efficiency. This then shortens the project time-line, reduces labor costs and extends the life of diamond tooling. EZ-Kut is also unique in that it can be used in wet and dry grinding methods.



3DHS DENSIFIER | 5 Gallon

3D Hybrid Silicate Densifier is three densifiers in one. It improves surface performance and resists the harmful effects of traffic wear and weathering. By having three different sized molecule silicates this product fully penetrates varying densities of concrete regardless of region or hardness. This improves the abrasion resistance for new or aged concrete. 3D HS is ideal for use for exposed and polished concrete, as well as cements with integral color.



3DSP GUARD | 5 Gallon

Ameripolish 3D SP is a breathable semi-penetrating / semi-topical sealer that helps to protect surfaces against stains and etching. 3D SP creates a water resistant barrier that prevents liquids from infiltrating the surface, protecting against staining and color dispersion.



REJUVENATING CLEANER | 10PK – 32OZ BOTTLES

Ameripolish® Rejuvenating Cleaner is a concentrated multipurpose cleaner that removes daily debris from hard surfaces, as well as reinforces the sealer to extend the life of polished concrete floors. Rejuvenating Cleaner contains no harsh chemicals, and leaves no build-up on the surface. In addition to polished concrete, it is ideal for use on vinyl tile, ceramic tile, terrazzo, wood, and composite materials. It rejuvenates the floor by reapplying trace amounts of densifier and stain resistant additives while you clean with an auto-scrubber.



INDUSTRY ASSOCIATIONS

Aztec is proud to be affiliated with the following industry associations and buying groups:



GREEN CERTIFICATIONS



Lowest emissions in the industry. Every propane powered engine on Aztec's equipment has been individually tested and is EPA, CARB, LEED and GS42 green certified for indoor use in approved areas, and meet the US green building council LEED IEQ credit 3.4 requirements. Optional engine meeting Blue Sky standards.*

Aztec's certifications are on the pages that follow.

*Source: www3.epa.gov/otaq/certdata.htm#smallsi



ENVIRONMENTAL CERTIFICATIONS

CARB-600V SERIES



CALIFORNIA AIR RESOURCES BOARD	AZTEC PRODUCTS INC.	EXECUTIVE ORDER U-U-056-0030 New Off-Road Small Spark-Ignition Engines at or Below 19 Kilowatts
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Pursuant to the authority vested in California Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the following engine and emission control systems produced by the manufacturer are certified for use in small off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (cc)	ENGINE CLASS	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)
2018	JAPIS.6032NA	603	4-stroke, ≥ 225 cc	LPG
DURABILITY HOURS	SPECIAL FEATURES & EMISSION CONTROL SYSTEMS		TYPICAL EQUIPMENT APPLICATION	
500	TWC		Floor Polishing Equipment, Vinyl Composition Tile (VCT), Polishing, VCT Stripping, Concrete Polishing and Concrete Grinding	
ENGINE CODES/MODELS (rated power in kilowatt, kW)	603 (10.52 kW)			
<small>ABBREVIATIONS: EM=engine modification TWC/OC=three-way/oxidizing catalyst WUTWC/WUOC=warm-up TWC/OC O2S=oxygen sensor HO2S=heated O2S EGR=exhaust gas recirculation AIR=secondary air injection PAIR=pulsed AIR MFI=multi port fuel injection SFI=sequential MFI TBI=throttle body fuel injection DFI=direct fuel injection TC/SC=turbo/super charger CAC=charge air cooler 2(parallel)=parallel (2)(series)=in series ECM=engine control module</small>				

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx), carbon monoxide (CO), and particulate matter (PM) emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2403(b)), and certification emission levels for this engine family in grams per kilowatt-hour (g/kW-hr). Engines within this engine family shall have closed crankcases in conformance with Section 1054.115(a) of the "California Exhaust Emission Standards and Test Procedures for New 2013 and Later Small Off-Road Engines," adopted October 25, 2012.

*=not applicable	HC+NOx (g/kW-hr)	CO (g/kW-hr)	PM (g/kW-hr)
STANDARD	8.0	549	*
FAMILY EMISSION LEVEL	*	*	*
CERTIFICATION LEVEL	4.8	63	*

BE IT FURTHER RESOLVED: That the family emission level(s) (FELs), as applicable, is an emission limit declared by the manufacturer for use in the averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2403(e)(1) and 2407(a).

BE IT FURTHER RESOLVED: That for the listed engines, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2404 (emission control labels) and 13 CCR Sections 2405 and 2406 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

Quarterly reports of engines produced in this engine family for sale in California shall be submitted to the Executive Officer no later than 45 days after the end of each calendar quarter.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 30TH day of April 2018.


FOR Annette Hebert, Chief
 Emissions Compliance, Automotive Regulations and Science Division

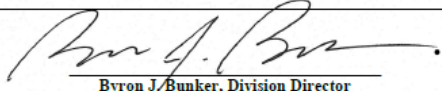




ENVIRONMENTAL CERTIFICATIONS

EPA-600V SERIES

	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 2018 MODEL YEAR CERTIFICATE OF CONFORMITY WITH THE CLEAN AIR ACT	OFFICE OF TRANSPORTATION AND AIR QUALITY ANN ARBOR, MICHIGAN 48105
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Certificate Issued To: Aztec Products Inc. (U.S. Manufacturer or Importer) Certificate Number: JAPIS.8522NS-004	Effective Date: 04/02/2018 Expiration Date: 12/31/2018	 Byron J. Bunker, Division Director Compliance Division	Issue Date: 04/02/2018 Revision Date: N/A
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Manufacturer: Aztec Products Inc. Engine Family: JAPIS 8522NS Useful Life : 1000 Hours / 5 Years Engine Class : Nonhandheld-Class II Fuel : LPG/Propane Emission Standards : CO (g/kW-hr) : 610 HC + NOx (g/kW-hr) : 8.0	
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Pursuant to Section 213 of the Clean Air Act (42 U.S.C. section 7547), 40 CFR Part 1054, 40 CFR Part 1068 and 40 CFR Part 60 (stationary only and combined stationary and mobile), and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued for the following small nonroad engine family, more fully described in the documentation required by 40 CFR Part 1054 and produced in the stated model year.

This certificate of conformity covers only those new small nonroad engines which conform in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Part 1054 and which are produced during the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Part 1054. This certificate of conformity does not cover small nonroad engines imported prior to the effective date of the certificate.

It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR 1068.20 and 1068, Subpart E and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to revocation or suspension of this certificate for reasons specified in 40 CFR Part 1054. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void *ab initio* for other reasons specified in 40 CFR Part 1054, 40 CFR Part 1068.

This certificate does not cover small nonroad engines sold, offered for sale, or introduced, or delivered for introduction, into commerce in the U.S. prior to the effective date of the certificate.



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ENVIRONMENTAL CERTIFICATIONS



CARB-390 SERIES

CALIFORNIA AIR RESOURCES BOARD	AZTEC PRODUCTS INC.	EXECUTIVE ORDER U-U-056-0029 New Off-Road Small Spark-Ignition Engines at or Below 19 Kilowatts
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Pursuant to the authority vested in California Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the following engine and emission control systems produced by the manufacturer are certified for use in small off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (cc)	ENGINE CLASS	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas)
2018	JAPIS.3902NA	340, 389	4-stroke, ≥ 225 cc	LPG
DURABILITY HOURS	SPECIAL FEATURES & EMISSION CONTROL SYSTEMS		TYPICAL EQUIPMENT APPLICATION	
1000	TWC		Floor Polishing Equipment, Vinyl Composition Tile (VCT), Polishing, VCT Stripping, Concrete Polishing and Concrete Grinding	
ENGINE CODES/MODELS (rated power in kilowatt, kW)	390 (6.15 kW), RV340 (7.2 kW)			
<small>ABBREVIATIONS: EM=engine modification; TWC/O2C=three-way/oxidizing catalyst; WUTWC/WUOC=warm-up TWC/O2C; O2S=Oxygen sensor; HO2S=heated O2S; EGR=exhaust gas recirculation; AIR=secondary air injection; PAIR=pulsed AIR; MFI=multi port fuel injection; SFI=sequential MFI; TBI=throttle body fuel injection; DFI=direct fuel injection; TC/BC=turbo/super charger; CAC=charge air cooler; Z(prefix)=parallel; Z(suffix)=in series; ECM=engine control module</small>				

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx), carbon monoxide (CO), and particulate matter (PM) emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2403(b)), and certification emission levels for this engine family in grams per kilowatt-hour (g/kW-hr). Engines within this engine family shall have closed cranks in conformance with Section 1054.115(a) of the "California Exhaust Emission Standards and Test Procedures for New 2013 and Later Small Off-Road Engines," adopted October 25, 2012.

*=not applicable	HC+NOx (g/kW-hr)	CO (g/kW-hr)	PM (g/kW-hr)
STANDARD	8.0	549	*
FAMILY EMISSION LEVEL	*	*	*
CERTIFICATION LEVEL	2.0	268	*

BE IT FURTHER RESOLVED: That the family emission level(s) (FELs), as applicable, is an emission limit declared by the manufacturer for use in the averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2403(e)(1) and 2407(a).

BE IT FURTHER RESOLVED: That for the listed engines, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2404 (emission control labels) and 13 CCR Sections 2405 and 2406 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

Quarterly reports of engines produced in this engine family for sale in California shall be submitted to the Executive Officer no later than 45 days after the end of each calendar quarter.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 30th day of April 2018.

Annette Hebert, Chief
 Emissions Compliance, Automotive Regulations and Science Division





ENVIRONMENTAL CERTIFICATIONS

EPA-390 SERIES

	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 2018 MODEL YEAR CERTIFICATE OF CONFORMITY WITH THE CLEAN AIR ACT	OFFICE OF TRANSPORTATION AND AIR QUALITY ANN ARBOR, MICHIGAN 48105
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Certificate Issued To: Aztec Products Inc. (U.S. Manufacturer or Importer) Certificate Number: JAPIS.3902NA-002	Effective Date: 04/02/2018 Expiration Date: 12/31/2018	 Byron J. Bunker, Division Director Compliance Division	Issue Date: 04/02/2018 Revision Date: N/A
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Manufacturer: Aztec Products Inc. Engine Family: JAPIS.3902NA Useful Life : 1000 Hours / 5 Years Engine Class : Nonhandheld-Class II Fuel : LPG/Propane Emission Standards : CO (g/kW-hr) : 610 HC + NOx (g/kW-hr) : 8.0	
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Pursuant to Section 213 of the Clean Air Act (42 U.S.C. section 7547), 40 CFR Part 1054, 40 CFR Part 1068 and 40 CFR Part 60 (stationary only and combined stationary and mobile), and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued for the following small nonroad engine family, more fully described in the documentation required by 40 CFR Part 1054 and produced in the stated model year.

This certificate of conformity covers only those new small nonroad engines which conform in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Part 1054 and which are produced during the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Part 1054. This certificate of conformity does not cover small nonroad engines imported prior to the effective date of the certificate.

It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR 1068.20 and 1068, Subpart E and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to revocation or suspension of this certificate for reasons specified in 40 CFR Part 1054. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void *ab initio* for other reasons specified in 40 CFR Part 1054, 40 CFR Part 1068.

This certificate does not cover small nonroad engines sold, offered for sale, or introduced, or delivered for introduction, into commerce in the U.S. prior to the effective date of the certificate.



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ENVIRONMENTAL CERTIFICATIONS

US GREEN BUILDING COUNCIL LEED REQUIREMENTS



EQ3.4 requirements

REQEQ3.1r5 | Possible point



Requirements

Implement a program for the use of janitorial equipment that reduces building contaminants and minimizes environmental impact. The cleaning equipment program must require the following:

- Vacuum cleaners are certified by the Carpet and Rug Institute "Green Label" Testing Program for vacuum cleaners and operate with a sound level of less than 70dBA.
- Carpet extraction equipment used for restorative deep cleaning is certified by the Carpet and Rug Institute's "Seal of Approval" Testing Program for deep-cleaning extractors.
- Powered floor maintenance equipment, including electric and battery-powered floor buffers and burnishers, is equipped with vacuums, guards and/or other devices for capturing fine particulates and operates with a sound level of less than 70dBA.
- Propane-powered floor equipment has high-efficiency, low-emissions engines with catalytic converters and mufflers that meet the California Air Resources Board (CARB) or Environmental Protection Agency (EPA) standards for the specific engine size and operate with a sound level of less than 90dBA.
- Automated scrubbing machines are equipped with variable-speed feed pumps and on-board chemical metering to optimize the use of cleaning fluids. Alternatively, the scrubbing machines use only tap water with no added cleaning products.
- Battery-powered equipment is equipped with environmentally preferable gel batteries.
- Powered equipment is ergonomically designed to minimize vibration, noise and user fatigue.
- Equipment is designed with safeguards, such as rollers or rubber bumpers, to reduce potential damage to building surfaces.

Keep a log for all powered cleaning equipment to document the date of equipment purchase and all repair and maintenance activities and include vendor specification sheets for each type of equipment in use.

