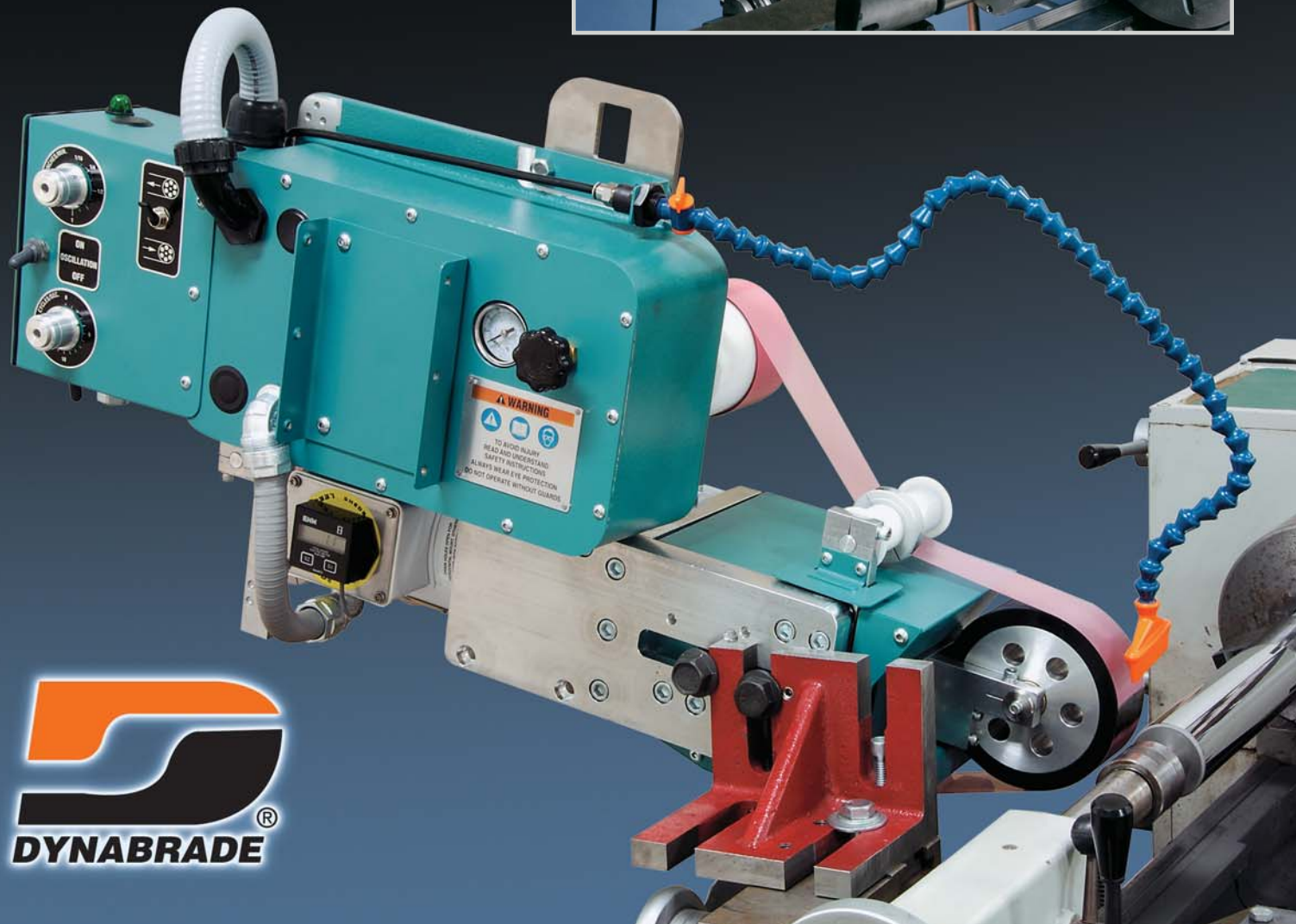


Roll Finishing Machines from Dynabrade

Featuring Tool Post Grinders and NEW SuperFinisher

- Tool Post Grinders Provide Outer Diameter Grinding, Surface Preparation and Finishing
- NEW SuperFinisher Produces Finishes that are Predictable, Consistent and Repeatable



Electric Tool Post Grinders

For Outer Diameter Grinding, Surface Preparation and Finishing

For 2" Wide x 48" Long Belts (51 mm x 122 cm)

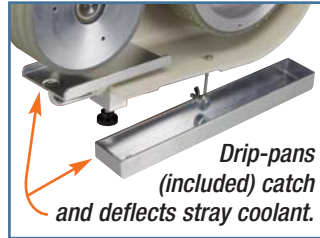
- Air-powered belt tensioning. Easily accessible belt-tracking and air belt-tensioning adjustments.
- Easy to dress contact wheel. 90 durometer fixed contact wheel (66619) is standard. Uses flexible diamond and other abrasive belts.
- Coolant nozzle with adjustable flow valve.
- Rigidly mounts to all standard lathes.

Fixed Speed Models

Model 65750 7,200 SFPM

Model 65751 6,000 SFPM

- Fixed speed for faster cutting.
- Water-tight on/off switch and built-in ammeter measures load.



Variable Speed Models

Model 65752 230 Volt, 2,500-10,500 SFPM

Model 65753 460 Volt, 2,500-10,500 SFPM

- These models include a variable speed rate motor. A digital display shows the operating speed and can be adjusted via keypad to any desired belt speed, even when the tool is in operation. Display also shows load percentage on the motor itself.

Digital Display Featured on Variable Speed Models



Model 65750



Ideal for use on steel, hard chrome, tungsten carbide, ceramics, thermal spray.

Model Number	Motor hp (W)	Motor RPM	Maximum SFPM (SMPM)	Voltage	Phase	Frequency	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Width Inch (mm)
65750	3 (2,237)	3,450	7,200 (2,187)	230	1	60 Hz	108 (49)	19 (483)	18 (457)	17 (432)
65751	3 (2,237)	2,850	6,000 (1,823)	230	1	60 Hz	108 (49)	19 (483)	18 (457)	17 (432)
65752	3 (2,237)	N/A	2,500-10,500 (762-3,200)	230	3	50-60 Hz	108 (49)	19 (483)	18 (457)	17 (432)
65753	3 (2,237)	N/A	2,500-10,500 (762-3,200)	460	3	50-60 Hz	108 (49)	19 (483)	18 (457)	17 (432)

Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

For 2" Wide x 36" Long Belts (51 mm x 915 mm)

- Air-powered belt tensioning. Easily accessible belt-tracking and air belt-tensioning adjustments.
- 90 durometer fixed contact wheel (65338) is standard. Uses flexible diamond and other abrasive belts. See page 3 for additional contact wheels.
- Coolant nozzle with adjustable flow valve.
- Rigidly mounts to all standard lathes.

Model 64991 60 Hz, 4,500 SFPM

Model 64993 50 Hz, 4,500 SFPM

- These models feature air-powered belt tensioning.

Model 65014 60 Hz, 4,500 SFPM

Model 65016 50 Hz, 4,500 SFPM

- These models feature a manual tensioning lever.

Model 64991



Model Number	Motor hp (W)	Motor RPM	Maximum SFPM (SMPM)	Voltage	Phase	Frequency	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Width Inch (mm)
64991	2 (1,491)	3,450	4,500 (1,367)	230	1	60 Hz	89 (40)	16 (406)	13-1/2 (343)	17 (432)
64993	2 (1,491)	2,850	4,500 (1,367)	230	1	50 Hz	89 (40)	16 (406)	13-1/2 (343)	17 (432)
65014	2 (1,491)	3,450	4,500 (1,367)	230	1	60 Hz	89 (40)	16 (406)	13-1/2 (343)	17 (432)
65016	2 (1,491)	2,850	4,500 (1,367)	230	1	50 Hz	89 (40)	16 (406)	13-1/2 (343)	17 (432)

Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)

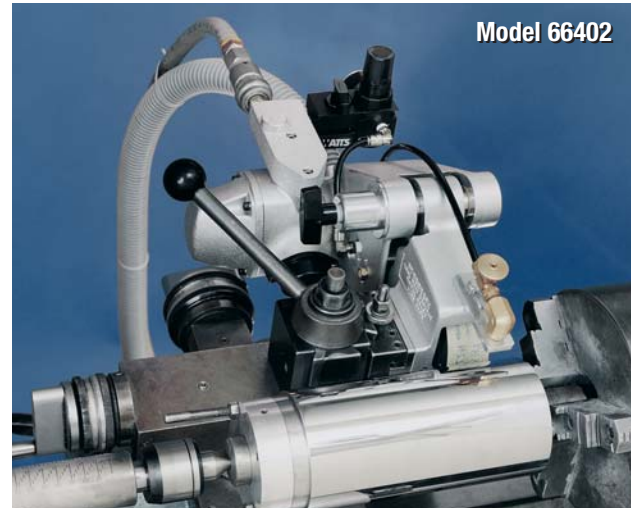
Pneumatic Tool Post Grinders

For Outer Diameter Grinding, Surface Preparation and Finishing

For 1-1/2" Wide x 24" Long Belts (38 mm x 610 mm)

Model 66402

- Lightweight – only 19 lbs. (8.6 kg)!
- For use on metal, glass, stone, rubber, ceramic, carbide composites and other hard-to-grind materials.
- Use with standard lathes. Simple tool holder mounting. Holds close tolerances.
- Rigid stainless steel and aluminum alloy machine construction.
- Surface finishes of 2-3 RA obtainable using micron-grade abrasive belts.
- Reduce surface finish on materials prior to a superfinishing process.
- In-line belt tracking prevents uneven belt stretching as found on conventional belt tracking arrangements.
- Fingertip controls for both motor on/off and adjustable air-belt tensioning.
- Cutaway housing allows working into workpiece shoulders from right to left.
- 66430 Plain-Faced Contact Wheel, 1-1/2" wide x 4" diameter (38 mm x 102 mm) is 70 durometer with other densities and styles available.



Model 66402

Model Number	Motor hp (W)	Motor RPM	Maximum Air Flow CFM (SCFM)	Maximum SFPM (SMPM)	Air Inlet Thread	Hose Size Inch (mm)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Width Inch (mm)
66402	1.86 (1,387)	7,200	9 (66)	4,700 (1,428)*	3/8" NPT	1/2 (13)	19 (8.6)	15 (381)	10 (254)	6 (152)

Additional Specifications: Air Pressure 90 PSIG (6.2 Bar) *At Maximum Load

Accessories for Model 66402

Contact Wheel Assembly Parts (Sold Separately)



Accessories for Models 64991, 64993, 65014, 65016

Precision Tool Post Grinder Contact Wheels

Part Number	Diameter Inch (mm)	Width Inch (mm)	Face Material
65237	4 (102)	2 (51)	70 Duro Rubber
65338*	4 (102)	2 (51)	90 Duro Rubber
65339	4 (102)	2 (51)	50 Duro Rubber
65340	4 (102)	2 (51)	Steel

*Standard on machine. All include 2 each of 97502 Bearing.

Precision Tool Post Grinder Contact Wheels

Part Number	Diameter Inch (mm)	Width Inch (mm)	Face Material
66429	4 (102)	1-1/2 (38)	50 Duro Plain Neoprene
66430	4 (102)	1-1/2 (38)	70 Duro Plain Neoprene
66431	4 (102)	1-1/2 (38)	90 Duro Plain Neoprene
66432	4 (102)	1-1/2 (38)	70 Duro Serrated Neoprene
66433	4 (102)	1-1/2 (38)	90 Duro Serrated Neoprene

65415 Slack Belt Attachment

- 2" (51 mm) x 36" (915 mm).
- Specialized contact arm assembly allows slack polishing of workpieces up to 20" (508 mm) diameter.



66439 Mount

- Allows offset tool installation for "facing" passes.



Accessories for Models 65750-65753

66643 Slack Belt Attachment

- 2" (51 mm) x 48" (122 cm).
- Specialized contact arm assembly allows slack polishing of workpieces up to 20" (508 mm) diameter.



NEW SuperFinisher

Achieve Predictable, Consistent and Repeatable Finishes on a Variety of Materials!

For 1", 2", 3" and 4" Wide Contact Wheels and Abrasives (25 mm, 51 mm, 76 mm, 102 mm)

64000 SuperFinisher allows the user to create repeatable high-quality surface finishes on cylindrical parts and rolls, made of materials as diverse as tungsten carbide and hard rubber. Designed around the rigid requirements of diamond lapping film, this machine has abrasive roll travel speeds as low as 1/16" per minute. Using an abrasive "recipe," finishes less than 1 Ra are repeatable, even months later! Used as a second step after refining scratch with Dynabrade Tool Post Grinders, this system eliminates the need for honing and polishing. Works great on tungsten carbide, chilled iron, stainless steel, tool steel, forged steel, chrome plating, nickel, brass, copper, aluminum, epoxy, thermal spray, composites, stone, ceramics, polyurethane, rubber, nylon and more! For all types of industries including steel mills, aluminum rolls, film extruders, decorative stainless, paper mills, textile industry, copper foil electro-deposition and more.

Adjustable Abrasive Roll Feed

Adjustable from 1/6" to 1-1/2" per minute, allowing abrasive to be fully consumed, eliminating waste of expensive abrasives.

Adaptable Control Box

Mounts on back or side of SuperFinisher or remotely with optional 15' flexible conduit for optimal customization to your lathe.

Locking Controls

Control knobs lock to maintain exact repeatability. Also reduces the possibility of setting changes if machine is bumped.

Precision Air Pressure Regulator

Ensures a uniform contact force between the workpiece and roller.

5" Diameter Contact Wheel

Allows 2" shoulder clearance on workpiece.

Changeable Contact Wheels

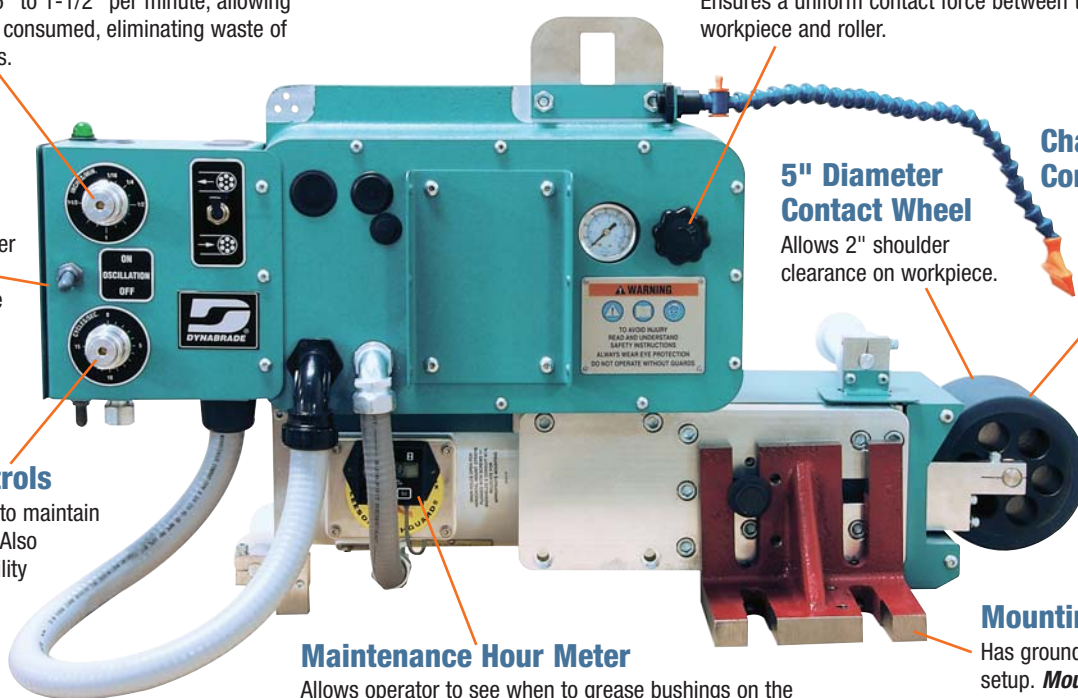
1", 2", 3" and 4" Contact Wheels are mountable for a variety of applications.

Maintenance Hour Meter

Allows operator to see when to grease bushings on the oscillating head, extending the service life of unit.

Mounting Bracket

Has ground face for easier setup. **Mounts to lathe in less than 5 minutes!**



Features & Benefits

Model 64000 115 Volt Model 64001 230 Volt

- Mounts to standard machine shop lathes in 5 minutes!
- Constantly advances new abrasive at a speed from 1/16" to 1-1/2" per minute.
- Precision air pressure regulator ensures a uniform contact force between the workpiece and roller.
- Abrasive speeds as low as 1/16" means utilizing all the abrasive, extending the abrasive life and eliminating re-use of roll with possible variance in finish. Designed with new diamond abrasives in mind.
- Replaces polishing steps – using diamond super-abrasives and lapping film, finishes less than 1 Ra are attainable.
- Compact design makes the unit easier to fit onto almost any size lathe, and provides good visibility of workpiece.
- Balanced oscillating head with adjustable 0-15 cycles/second for smooth operation.
- Front-of-lathe or back-of-lathe mounting configuration for user preference or lathes without reverse rotation.
- No tools needed to change abrasive rolls. Simple pneumatic clamping mechanism for quick abrasive changes.
- GFI protection.

Model Number	Length Inch (mm)	Width Inch (mm)	Height Inch (mm)	Machine Weight Pound (kg)	Motor hp (W)	Oscillation Amplitude	Electrical Volts / Phase / Hz	Air Inlet Thread	Abrasive Advance Inch (mm) Per Minute
64000	32 (813)	13 (330)	18 (457)	115 (52.16)	.5 (373)	1/4"	115 / 1 / 60	1/4" NPT	1/16 (1.53) - 1-1/2 (38)
64001	32 (813)	13 (330)	18 (457)	115 (52.16)	.5 (373)	1/4"	230 / 1 / 60	1/4" NPT	1/16 (1.53) - 1-1/2 (38)
64003	32 (813)	13 (330)	18 (457)	115 (52.16)	.5 (373)	1/4"	230 / 1 / 50	1/4" NPT	1/16 (1.53) - 1-1/2 (38)

SuperFinisher Accessories

Contact Wheel Assemblies

Wheel Durometer	1" (25 mm)	2" (51 mm)	3" (76 mm)	4" (102 mm)
50	63980	63983	63986	63989
70	63981	63984	63987	63990
90	63982	63985	63988	63991



15' Extended Length Conduit

Part No. 63979

- Use to mount control box remotely.
- Order a quantity of 2 for 30' length (maximum).
- Factory installed.



Tool Post Grinder Abrasive Belts

Aluminum Oxide

Diameter Inch (mm)	Width Inch (mm)	60 Grit Part No.	80 Grit Part No.	120 Grit Part No.	180 Grit Part No.	220 Grit Part No.	320 Grit Part No.
24 (610)	1-1/2 (38)	91632	91633	91634	91635	91628	91629
36 (914)	2 (51)	91637	91638	91639	91640	91641	91642
48 (1219)	2 (51)	91643	91644	91645	91646	91647	91648

SuperFinisher Microfinishing Rolls

Diamond Microfinishing Film Rolls

Length Feet (cm)	Width Inch (mm)	60 Micron	40 Micron	30 Micron	20 Micron
50 (1,524)	1 (25)	92728	92729	92730	92731
50 (1,524)	2 (51)	92744	92745	92746	92747
50 (1,524)	3 (76)	92760	92761	92762	92763
50 (1,524)	4 (102)	92776	92777	92778	92779

Aluminum Oxide Microfinishing Film Rolls

Length Feet (cm)	Width Inch (mm)	60 Micron	40 Micron	30 Micron	20 Micron	15 Micron	9 Micron
150 (4,572)	1 (25)	92720	Call for Availability	92721	Call for Availability	92722	92723
150 (4,572)	2 (51)	92736	Call for Availability	92737	Call for Availability	92738	92739
150 (4,572)	3 (76)	92752	Call for Availability	92753	Call for Availability	92754	92755
150 (4,572)	4 (102)	92768	Call for Availability	92769	Call for Availability	92770	92771

Diamond Lapping Film Rolls

Length Feet (cm)	Width Inch (mm)	30 Micron	15 Micron	9 Micron	3 Micron
50 (1,524)	1 (25)	92732	92733	92734	92735
50 (1,524)	2 (51)	92748	92749	92750	92751
50 (1,524)	3 (76)	92764	92765	92766	92767
50 (1,524)	4 (102)	92780	92781	92782	92783

Aluminum Oxide Lapping Film Rolls

Length Feet (cm)	Width Inch (mm)	30 Micron	15 Micron	9 Micron	3 Micron
150 (4,572)	1 (25)	92724	92725	92726	92727
150 (4,572)	2 (51)	92740	92741	92742	92743
150 (4,572)	3 (76)	92756	92757	92758	92759
150 (4,572)	4 (102)	92772	92773	92774	92775

NEW Coolant Filtration System

Superfinishing requires very clean coolant. If the coolant is not filtered, the grinding residue will act as an abrasive slurry, which can affect the final finish. Dynabrade's NEW 68000 Coolant Filtration System filters the coolant to 1 μ , eliminating this problem.

Model 68000

- 120 Volt System for easy hookup.
- 2-stage filters to prevent 1-micron filter from clogging prematurely.
- 40 gallon tank – removable for cleaning.
- Unit on casters for easy portability.
- Compact construction.
- Transparent Tank for viewing coolant level.
- Easy access for changing filters.
- Self-priming Centrifugal Pump.
- GFI protection.



Replacement Filters:

66631

- 1-micron Disposable Filter Cartridge.

66635

- 5-micron Disposable Filter Cartridge.

Model Number	Motor hp (W)	Flow Rate Per Minute	Voltage	Phase	Frequency	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Width Inch (mm)
68000	.5 (373)	1.5 gal.	115	1	60 Hz	103 (46.7)	36 (914.4)	28 (711.2)	28 (711.2)



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DYNABRADE, INC. • DYNABRADE INTERNATIONAL

8989 Sheridan Drive • Clarence, New York 14031-1490
 Phone: (716) 631-0100 • US Fax: 716-631-2073 • Int'l Fax: 716-631-2524

US Consumers Call Toll-Free: 1-800-828-7333

Canadian Consumers Call Toll-Free: 1-800-344-1488

DYNABRADE EUROPE S.à r.l.

Zone Artisanale • L-5485 Wormeldange—Haut, Luxembourg
 Telephone: +352 768 494 1 • Fax: +352 768 495

DYNABRADE DO BRASIL

Rua Oneda, 632 • Sao Bernardo do Campo • SP - CEP 09895-280
 Telephone 55-11-4390-0133 • Fax 55-11-4399-1067

DYNABRADE INDIA ABRASIVE POWER TOOLS Pvt Ltd.

EL-54, TTC Industrial Area, M.I.D.C. Mahape, Electronic Zone, Navi Mumbai - 400705
 Maharashtra, India • Telephone: +91 22 2763 2226 • Fax: +91 22 2763 2228

DYNABRADE AUSTRALIA PTY LTD.

Unit 2, 13-14 National Drive, Hallam, Victoria 3803, Australia
 Telephone: 03-9796 5114

Try Our U.S. Consumer Toll-Free Number
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