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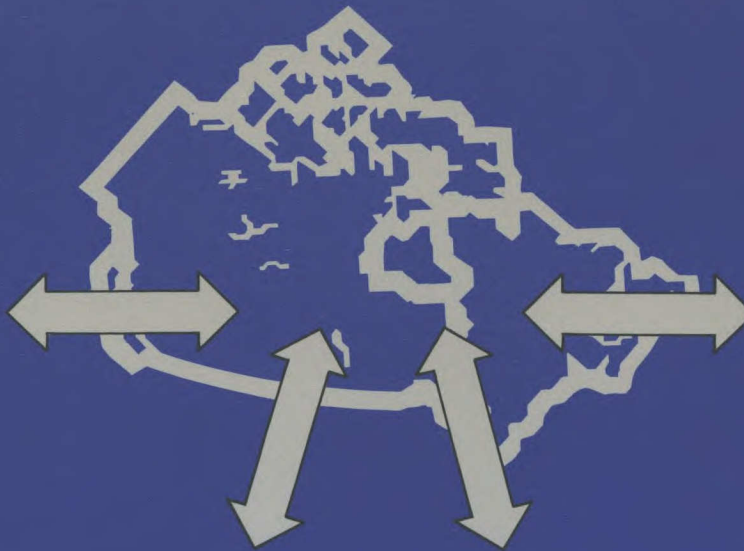
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MARKET INTELLIGENCE

SHARPENING MACHINES (TOOL OR CUTTER GRINDING)

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REFERENCE SOURCES

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Revenue Canada, Tel.: (613) 954-7007
U.S. Department of Commerce,
Bureau of the Census,
Tel.: (301) 763-7754

EXPLANATORY NOTES

Commodity Classification

Canadian Trade statistics are classified and published according to the International Convention on the Harmonized Commodity and Description Coding System (H.S.), as defined by the Canadian Customs Tariff and Statistical Nomenclature.

Valuation

For Customs purposes, imports are recorded at values established according to the provisions of the Customs Act, which, since January 1, 1985, reflects valuation methods based on the General Agreement on Tariffs and Trade (GATT) Valuation Code System. It generally requires the value for duty of imported goods be equivalent to the transaction value or the price actually paid or payable provided that a number of conditions are met. One of the important conditions is that the buyer and seller must be independent of each other. If the conditions are not met, practical rules are used to determine the Customs value. Therefore, Canadian imports are valued Free on Board (F.O.B.), place of direct shipment to Canada. The Customs value excludes freight and insurance costs in bringing the goods to Canada from the point of direct shipment. Canadian exports to the U.S. are valued F.O.B. point of exit from Canada. Prior to 1990, they were valued F.O.B. place of lading net of freight charges, discounts and allowances.

Rounding

Figures may not add due to rounding.

Canada - U.S. Exchange Rate

The Bank of Canada exchange rates were used to convert U.S. imports reported in \$US to \$Cdn.

Canada - U.S. Reconciliation

Prior to 1989, United States commodity coding was based on the Tariff Schedule of the United States (TSUSA) and comparable data are not available. Starting in January 1989, the Harmonized Commodity Description and Coding System (H.S.) was adopted by the United States. However, Canada and the United States have been exchanging import data only since January 1990 and therefore there may be discrepancies in 1989 between Canadian exports to the United States and United States imports from Canada. As of January 1990, any discrepancy between what Canada reports as exports to the United States and what the United States reports as imports from Canada is minimal resulting from exchange rates.

Abbreviation

No. - Number

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SHARPENING MACHINES (TOOL OR CUTTER GRINDING)

INTRODUCTION AND SCOPE

This is one of a continuing series of market intelligence reports designed to increase business awareness of the potential existing for production in Canada and to assist businesses and other organizations in their market research of specific products. The detailed information provided in these reports supports studies by organizations seeking to expand existing production lines, change individual product characteristics or engage in new manufacturing investment in Canada. The coverage of a market intelligence report is developed in close consultation with the client, and is tailored to meet their specific requirements. It is important to emphasize that this report does not attempt any assessment as to the feasibility of competing in a particular market.

This report is based on data from several sources for the following Harmonized System (H.S.) commodity codes:

<u>Description</u>	<u>H.S. Commodity Codes Analyzed</u>	<u>1991 Value of Imports</u> (\$ 000)
Sharpening machines, (tool or cutter grinding):		
--Numerically controlled	8460.31	
----Used or rebuilt	8460.31.00.10	54
----Other	8460.31.00.90	660
--Other	8460.39	
----Used or rebuilt	8460.39.00.10	190
----Other	8460.39.00.90	3 316
TOTAL		4 220

**SHARPENING MACHINES
(TOOL OR CUTTER GRINDING)**

CANADIAN IMPORT TRENDS

SUMMARY

<u>Description and Commodity Code</u>	<u>Total Imports</u>				<u>Major Country of Export to Canada % of Total Value</u>			
	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>
Sharpening machines, numerically controlled H.S. 8460.31.00.00								
Quantity (No.)	20	27	6	7	U.S.	U.S.	U.S.	U.S.
Value (\$000)	2 102	3 999	390	714	75	28	89	88
Sharpening machines, not elsewhere specified H.S. 8460.39.00.00								
Quantity (No.)	892	23 183	43 562	17 996	U.S.	U.S.	U.S.	U.S.
Value (\$000)	6 625	6 853	6 284	3 506	39	47	50	39
TOTAL								
Quantity (No.)	912	23 210	43 568	18 003				
Value (\$000)	8 727	10 852	6 674	4 220				

**SHARPENING MACHINES
(TOOL OR CUTTER GRINDING)**

CANADIAN IMPORT TRENDS (Cont'd)

BY MAJOR COUNTRY OF ORIGIN

**SHARPENING MACHINES, NUMERICALLY CONTROLLED
(H.S. 8460.31.00.00)**

<u>Country of Origin</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>Average Annual Growth Rate 1988-91 (%)</u>
United States					
Quantity (No.)	11	11	5	5	-23.1
Value (\$000)	1 570	1 118	349	631	-26.2
Fed. Rep. of Germany					
Quantity (No.)	1	10	1	2	26.0
Value (\$000)	44	499	41	83	23.2
Other					
Quantity (No.)	8	6	-	-	-25.0
Value (\$000)	<u>487</u>	<u>2 382</u>	<u>-</u>	<u>-</u>	<u>389.0</u>
Total					
Quantity (No.)	20	27	6	7	-29.5
Value (\$000)	2 102	3 999	390	714	-30.2

Ranked in descending order by 1991 value.

**SHARPENING MACHINES
(TOOL OR CUTTER GRINDING)**

CANADIAN IMPORT TRENDS (Cont'd)

BY MAJOR COUNTRY OF ORIGIN (Cont'd)

**SHARPENING MACHINES, NOT ELSEWHERE SPECIFIED
(H.S. 8460.39.00.00)**

<u>Country of Origin</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>Average Annual Growth Rate 1988-91 (%)</u>
United States					
Quantity (No.)	337	3 707	11 725	810	34.0
Value (\$000)	2 563	3 204	3 115	1 364	-19.0
Fed. Rep. of Germany					
Quantity (No.)	81	68	85	54	-12.6
Value (\$000)	1 435	971	1 186	733	-20.1
Taiwan					
Quantity (No.)	40	18 158	31 664	16 857	649.7
Value (\$000)	151	1 295	1 188	706	67.0
United Kingdom					
Quantity (No.)	72	25	34	30	-25.3
Value (\$000)	562	265	306	290	-19.8
Italy					
Quantity (No.)	25	47	13	212	103.9
Value (\$000)	411	383	93	128	-32.2
Switzerland					
Quantity (No.)	20	16	23	7	-29.5
Value (\$000)	359	206	291	75	-40.8
Japan					
Quantity (No.)	3	1 006	-	6	26.0
Value (\$000)	54	101	-	62	4.5
Poland					
Quantity (No.)	-	2	-	6	73.2
Value (\$000)	-	16	-	34	46.9
France					
Quantity (No.)	2	2	1	1	-20.6
Value (\$000)	58	5	35	33	-17.2
Hungary					
Quantity (No.)	-	-	-	1	0.0
Value (\$000)	-	-	-	30	0.0
Other					
Quantity (No.)	312	152	17	12	-66.2
Value (\$000)	<u>1 033</u>	<u>408</u>	<u>69</u>	<u>52</u>	<u>-63.0</u>
Total					
Quantity (No.)	892	23 183	43 562	17 996	172.2
Value (\$000)	6 625	6 853	6 284	3 506	-19.1

Ranked in descending order by 1991 value.

**SHARPENING MACHINES
(TOOL OR CUTTER GRINDING)**

CANADIAN IMPORT TRENDS (Cont'd)

BY PROVINCE OF CLEARANCE

**SHARPENING MACHINES, NUMERICALLY CONTROLLED
(H.S. 8460.31.00.00)**

<u>Province of Clearance</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>Average Annual Growth Rate 1988-91 (%)</u>
Ontario					
Quantity (No.)	9	15	4	3	-30.7
Value (\$000)	1 232	3 319	301	369	-33.1
British Columbia					
Quantity (No.)	2	2	-	3	14.5
Value (\$000)	27	94	-	307	124.4
Québec					
Quantity (No.)	8	6	-	1	-50.0
Value (\$000)	589	384	-	38	-59.9
Manitoba					
Quantity (No.)	-	1	2	-	100.0
Value (\$000)	-	47	89	-	87.9
New Brunswick					
Quantity (No.)	-	1	-	-	0.0
Value (\$000)	-	88	-	-	0.0
Alberta					
Quantity (No.)	1	2	-	-	100.0
Value (\$000)	<u>254</u>	<u>66</u>	<u>-</u>	<u>-</u>	<u>-74.0</u>
Total					
Quantity (No.)	20	27	6	7	-29.5
Value (\$000)	2 102	3 999	390	714	-30.2

Ranked in descending order by 1991 value.

**SHARPENING MACHINES
(TOOL OR CUTTER GRINDING)**

CANADIAN IMPORT TRENDS (Cont'd)

BY PROVINCE OF CLEARANCE (Cont'd)

**SHARPENING MACHINES, NOT ELSEWHERE SPECIFIED
(H.S. 8460.39.00.00)**

<u>Province of Clearance</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>Average Annual Growth Rate 1988-91 (%)</u>
Ontario					
Quantity (No.)	641	14 061	35 808	12 085	166.2
Value (\$000)	3 894	3 641	3 429	2 043	-19.3
Québec					
Quantity (No.)	72	7 000	6 387	3 953	280.1
Value (\$000)	927	1 296	938	659	-10.7
British Columbia					
Quantity (No.)	140	1 466	1 319	1 921	139.4
Value (\$000)	1 591	1 553	1 416	574	-28.8
Alberta					
Quantity (No.)	11	635	26	17	15.6
Value (\$000)	29	261	329	104	53.6
Manitoba					
Quantity (No.)	3	10	1	8	38.7
Value (\$000)	13	38	2	58	66.3
New Brunswick					
Quantity (No.)	11	4	5	2	-43.3
Value (\$000)	73	21	108	30	-25.8
Saskatchewan					
Quantity (No.)	3	2	8	7	32.6
Value (\$000)	7	17	16	25	50.0
Nova Scotia					
Quantity (No.)	10	2	4	2	-41.5
Value (\$000)	88	10	28	7	-57.6
Newfoundland					
Quantity (No.)	1	3	4	1	0.0
Value (\$000)	4	17	19	5	11.3
Total					
Quantity (No.)	892	23 183	43 562	17 996	172.2
Value (\$000)	6 625	6 853	6 284	3 506	-19.1

Ranked in descending order by 1991 value.

**SHARPENING MACHINES
(TOOL OR CUTTER GRINDING)**

CANADIAN IMPORTERS

**SHARPENING MACHINES, NUMERICALLY CONTROLLED
(H.S. 8460.31.00.00)**

There were six known importers in 1990. These importers accounted for a total import value of \$390 thousand.

Importers during 1990 are listed below in alphabetical order. This list does not include individuals. The importer is not necessarily the end-user of the product.

Name

Location

F C Machinery Ltd.	Winnipeg, Man.
General Motors Of Canada Limited	Oshawa, Ont.
Jakes Saw Sharpening Ltd.	Kleefeld, Man.
Marbel Tool & Equipment Inc.	Barrie, Ont.
Peninsula Saw Company Sales & Service Limited	Welland, Ont.
Ultra-Form Mfg. Co. Ltd.	Rexdale, Ont.

SHARPENING MACHINES (TOOL OR CUTTER GRINDING)

CANADIAN IMPORTERS (Cont'd)

SHARPENING MACHINES, NOT ELSEWHERE SPECIFIED (H.S. 8460.39.00.00)

There were 151 known importers in 1990. The principal 39 importers accounted for 80 per cent of the total import value.

<u>Principal Importers</u> (No.)	<u>Cumulative Value</u> (\$000)	<u>Cumulative % of Total Value</u>
3	1 269	20
6	2 017	32
10	2 710	43
15	3 373	54
25	4 303	68
39	5 044	80
All Importers (151)	6 284	100

The principal importers during 1990 are listed below in alphabetical order. This list does not include individuals. The importer is not necessarily the end-user of the product.

<u>Name</u>	<u>Location</u>	<u>Name</u>	<u>Location</u>
3M Canada Inc.	London, Ont.	Carbotech Inc.	Plessisville, Qué.
A.K. Tooling Limited	Mississauga, Ont.	Cincinnati Millacron-Canada Ltd.	Etobicoke, Ont.
Acklands Limited	Don Mills, Ont.	Cooper & Horton Limited	Mississauga, Ont.
Acme Tube Ltd.	Etobicoke, Ont.	Cosa Corporation of Canada Ltd.	Etobicoke, Ont.
Acorn Trading Co. Ltd.	Markham, Ont.	Craftex Industries Inc. Div. of Busy Bee Machine Tools Ltd.	Concord, Ont.
Akhurst Machinery Ltd.	Vancouver, B.C.	Crain-Drummond Inc.	Don Mills, Ont.
Allegretti Manufacturing Co. Ltd.	Tilbury, Ont.	D F Haskins Supply Co. Ltd.	North Bay, Ont.
ANC Developments Inc.	Vancouver, B.C.	Daesung Canada Inc.	Prince George, B.C.
Baader Canada Ltd.	Dartmouth, N.S.	Delta International Machinery Ltd.	Guelph, Ont.
Bauer Industrial Equipment Ltd.	Burnaby, B.C.	Distributions DCS Inc., Les Distributions J L Gourdon Ltée.	Québec, Qué.
Belmag Machinery Corporation Ltd.	Coquitlam, B.C.	EPS Recycling Inc.	Montréal, Qué.
Berks Machine Tool Div. of 444362 Ontario Ltd.	Willowdale, Ont.	Euro-Tech Services Ltd.	Aldergrove, B.C.
Black & Decker (1989) Inc.	Brockville, Ont.	European Cutters & Knives Ltd.	Calgary, Alta.
Brandt Industries Ltd.	Regina, Sask.	F S Tool Corporation	Calgary, Alta.
Brooklyn Direct Response Ltd.	Markham, Ont.	Fallis Equipment Ltd.	Markham, Ont.
Burnaby Saw Service Ltd.	Burnaby, B.C.	Ford Motor Company Of Canada Ltd.	Richmond, B.C.
C M E Blasting & Mining Equipment Ltd.	Oakville, Ont.	G & G Frères Inc.	Oakville, Ont.
Canadian Forest Products Ltd.	Vancouver, B.C.	G C Duke Equipment Ltd.	Rouyn-Noranda, Qué.
Canadian Tire Corporation Ltd.	Toronto, Ont.	Wood Tool (1989) Limited	Burlington, Ont. Galt
Candiam Ltd.	Moncton, N.B.	Glasgow Mfg. Limited	Cambridge, Ont.
			London, Ont.

**SHARPENING MACHINES
(TOOL OR CUTTER GRINDING)**

CANADIAN IMPORTERS (Cont'd)

**SHARPENING MACHINES, NOT ELSEWHERE SPECIFIED (Cont'd)
(H.S. 8460.39.00.00)**

<u>Name</u>	<u>Location</u>	<u>Name</u>	<u>Location</u>
Graff Diamond Products Ltd.	Brampton, Ont.	Outillages King-Canada Inc.	Lachine, Qué.
Groupe NMS-Sitel Inc.	Rouyn-Noranda, Qué.	Outils Royal Tools Corp.	Montréal, Qué.
Hansler Equipment Inc.	Mississauga, Ont.	Pac-Deck Wood Specialties Ltd.	Maple Ridge, B.C.
Hansler Smith Ltd.	Brockville, Ont.	Pacific Hoe Canada Ltd.	Vancouver, B.C.
Heinman Machinery Ltd.	Mississauga, Ont.	Peavey Industries Limited	Red Deer, Alta.
I K S Canadian Knife & Saw Ltd.	Langley, B.C.	Presswood Pallet Partnership Ltd.	Willowdale, Ont.
J H Huscroft Ltd.	Erickson, B.C.	Quesnel River Pulp Company Ltd.	Quesnel, B.C.
J R Normand Inc.	Sainte-Marie, Qué.	R A Machinery Limited	Oakville, Ont.
Jack Sigrist Canada Limited	Cambridge, Ont.	Remi Industries Ltd.	Mississauga, Ont.
Joseph Roediger & Company Limited	Hamilton, Ont.	S M S Machine Tools Limited	Etobicoke, Ont.
Kooij Brothers Lawn Equipment Ltd.	Etobicoke, Ont.	Scies Richelieu Inc., Les	St-Roch-de-Richelieu, Qué.
Kuusport Mfg. Co	Scarborough, Ont.	Secoroc Ltd.	Burlington, Ont.
L & S Industries Ltd.	Williams Lake, B.C.	Simonds Industries Inc.	Granby, Qué.
Leigh Textile Inc.	Pointe-aux-Trembles, Qué.	Skyway Lawn Equipment Limited	Hamilton, Ont.
Lockhart Saw Ltd.	Saint John, N.B.	Systi-Mactic Company	Kirkland, WA, U.S.*
Megatool of Canada Ltd.	Mississauga, Ont.	Trademaster Tools & Machinery Ltd.	Cambridge, Ont.
Minit of Canada Ltd.	Waterloo, Ont.	True Cutting & Grinding Ltd.	Weston, Ont.
Modern Track Machinery Canada Ltd.	Mississauga, Ont.	U A P Inc. Diesel Traction Div.	Halifax, N.S.
New Concept Machinery Ltd.	Richmond, B.C.	Whalley Hardware Div of Holland Import Inc.	Burnaby, B.C.
New Tech Dental Inc.	New Liskeard, Ont.	William M Brennan Co. (1978) Ltd.	London, Ont.
Nikolai Manufacturing Inc.	New Westminster, B.C.	Wisintainer Incorporated	Laval, Qué.
Normick Perron Inc.	La Sarre, Qué.	Woodmizer Canada 755069 Ontario Inc.	Manilla, Ont.
Oakcreek Developments Ltd.	Calgary, Alta.	Zip Power Parts Inc.	London, Ont.

* Non-resident importer.

**SHARPENING MACHINES
(TOOL OR CUTTER GRINDING)**

FOREIGN EXPORTERS TO CANADA

**SHARPENING MACHINES, NUMERICALLY CONTROLLED
(H.S. 8460.31)**

Exporters to Canada are listed in descending order of dollar value. These exporters accounted for 100 per cent of the total value of Canadian imports during 1990.

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada</u> (\$000)
United States	Gleason Works)	
	Colonial Saw Co.)	323*
Fed. Rep. of Germany	Vollner Works)	
United States	Precision Cutting Tools)	
	Vollner of America)	67*
	Southern Machinery)	
TOTAL		390

* Aggregated to preserve confidentiality of Canadian importers.

**SHARPENING MACHINES
(TOOL OR CUTTER GRINDING)**

FOREIGN EXPORTERS TO CANADA (Cont'd)

**SHARPENING MACHINES, NOT ELSEWHERE SPECIFIED
(H.S. 8460.39)**

Major exporters to Canada are listed in descending order of dollar value. These exporters accounted for 72 per cent of the total value of Canadian imports during 1990.

<u>Country of Origin</u>	<u>Name of Foreign Exporter</u>	<u>1990 Value of Exports to Canada</u> (\$000)
Taiwan	Tsu Liang Ind. Co.	1 467*
United States	Armstrong Mfg. Co.	
	Wright Machine Tool Co.	
	Wen Products Inc.	776*
Taiwan	Yung Li H Singq	
United States	Black and Decker U.S. Inc.	
United Kingdom	Bernhard Co. Ltd.	502*
Fed. Rep. of Germany	Ake Knebel GmbH	
United States	Simonds Ind. Inc.	
United States	Cincinnati Milacion	440*
	Foley Belsaw Co.	
Fed. Rep. of Germany	Gustav Goeckel	
Taiwan	Haw Yeu Enterprises	336*
Switzerland	Ewag	
Fed. Rep. of Germany	Systematic Co.	
	Michael Weinigg	301*
	Colonial Saw	
	Reform	
United States	Davis Tool Co.	246*
	Hanchett Inc.	
	Oliver Instrument Co.	
	Paramount	202*
	Newtech Products	
	ACME Tube	
	T.I. Int'l.	225*
Fed. Rep. of Germany	Stehle GmbH	
Switzerland	Ets. Micron	
United Kingdom	Wadkin Tooling	
TOTAL		4 495

* Aggregated to preserve confidentiality of Canadian importers.

**SHARPENING MACHINES
(TOOL OR CUTTER GRINDING)**

CANADIAN SHIPMENTS

According to departmental sources, sharpening machines (tool or cutter grinding) in this report are not made in Canada.

Any enquiries and/or comments regarding Canadian shipments should be directed to:

Statistics Canada
Industry Division
Survey of Manufactures Section
Ottawa, Ontario
K1A 0T6
Tel.: (613) 951-3523

**SHARPENING MACHINES
(TOOL OR CUTTER GRINDING)**

UNITED STATES IMPORTS

SUMMARY

The United States Department of Commerce reports U.S. imports under the following Harmonized System (H.S.) Commodity Codes:

<u>Description</u>	<u>H.S. Commodity Code</u>	<u>1991 Value of Imports (\$000)</u>
Sharpening (tool or cutter grinding) machines:		
Numerically controlled	8460.31.00.	
Used or rebuilt	8460.31.00.40	213
Other	8460.31.00.80	7 941
Other	8460.39.00	
Used or rebuilt	8460.39.00.10	458
Other, valued under \$3,025 each	8460.39.00.20	5 265
Other	8460.39.00.50	<u>8 939</u>
TOTAL		22 816

**SHARPENING MACHINES
(TOOL OR CUTTER GRINDING)**

UNITED STATES IMPORTS (Cont'd)

BY MAJOR COUNTRY OF ORIGIN

**SHARPENING MACHINES, NUMERICALLY CONTROLLED
(H.S. 8460.31.00.00)**

<u>Country of Origin</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>Average Annual Growth Rate 1989-91 (%)</u>
Japan					
Quantity (No.)	N/A	18	14	27	22.5
Value (\$000)	N/A	1 004	979	2 192	47.8
Australia					
Quantity (No.)	N/A	1	36	19	335.9
Value (\$000)	N/A	97	1 326	2 049	360.4
Fed. Rep. of Germany					
Quantity (No.)	N/A	61	107	57	-3.3
Value (\$000)	N/A	1 854	3 926	1 773	-2.2
Switzerland					
Quantity (No.)	N/A	23	21	29	12.3
Value (\$000)	N/A	234	227	1 399	144.5
New Zealand					
Quantity (No.)	N/A	-	-	2	0.0
Value (\$000)	N/A	-	-	87	0.0
Austria					
Quantity (No.)	N/A	-	-	1	0.0
Value (\$000)	N/A	-	-	51	0.0
Liechtenstein					
Quantity (No.)	N/A	-	-	2	0.0
Value (\$000)	N/A	-	-	36	0.0
Italy					
Quantity (No.)	N/A	2	6	4	41.4
Value (\$000)	N/A	26	45	31	10.5
United Kingdom					
Quantity (No.)	N/A	28	9	13	-31.9
Value (\$000)	N/A	92	655	20	-53.9
Other					
Quantity (No.)	N/A	219	55	48	-53.2
Value (\$000)	N/A	1 862	369	517	-47.3
Total					
Quantity (No.)	N/A	352	248	202	-24.2
Value (\$000)	N/A	5 168	7 527	8 154	25.6

NOTES: Ranked in descending order by 1991 value.

Source: U.S. Department of Commerce.

**SHARPENING MACHINES
(TOOL OR CUTTER GRINDING)**

UNITED STATES IMPORTS (Cont'd)

BY MAJOR COUNTRY OF ORIGIN (Cont'd)

**SHARPENING MACHINES, NOT ELSEWHERE SPECIFIED
(H.S. 8460.39.00.00)**

<u>Country of Origin</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>Average Annual Growth Rate 1989-91 (%)</u>
Fed. Rep. of Germany					
Quantity (No.)	N/A	651	748	1 146	32.7
Value (\$000)	N/A	5 629	3 569	3 408	-22.2
Japan					
Quantity (No.)	N/A	826	2 306	3 609	109.0
Value (\$000)	N/A	1 158	3 287	3 103	63.7
Taiwan					
Quantity (No.)	N/A	10 275	50 129	57 990	137.6
Value (\$000)	N/A	3 461	4 222	2 285	-18.8
United Kingdom					
Quantity (No.)	N/A	291	610	434	22.1
Value (\$000)	N/A	1 188	1 802	2 231	37.0
Italy					
Quantity (No.)	N/A	2 586	2 061	11 082	107.0
Value (\$000)	N/A	652	411	811	11.6
Switzerland					
Quantity (No.)	N/A	70	155	27	-37.9
Value (\$000)	N/A	1 569	1 484	561	-40.2
China					
Quantity (No.)	N/A	2 364	15 312	17 618	173.0
Value (\$000)	N/A	427	515	492	7.4
Netherlands					
Quantity (No.)	N/A	-	4	198	4 850.0
Value (\$000)	N/A	-	11	332	2 997.6
Australia					
Quantity (No.)	N/A	19	5	5	-48.7
Value (\$000)	N/A	1 351	288	331	-50.5
Other					
Quantity (No.)	N/A	379	685	9 871	410.3
Value (\$000)	N/A	<u>1 041</u>	<u>1 219</u>	<u>1 108</u>	<u>3.2</u>
Total					
Quantity (No.)	N/A	17 461	72 015	101 980	141.7
Value (\$000)	N/A	16 476	16 808	14 663	-5.7

NOTES: Ranked in descending order by 1991 value.

Source: U.S. Department of Commerce.

**SHARPENING MACHINES
(TOOL OR CUTTER GRINDING)**

UNITED STATES IMPORTS (Cont'd)

BY CUSTOMS DISTRICT OF ENTRY

**SHARPENING MACHINES, NUMERICALLY CONTROLLED
(H.S. 8460.31.00.00)**

<u>Customs District of Entry</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>Average Annual Growth Rate 1989-91</u> (%)
Detroit, Michigan					
Quantity (No.)	N/A	1	43	19	335.9
Value (\$000)	N/A	97	1 384	2 207	377.8
Boston, Massachusetts					
Quantity (No.)	N/A	24	13	17	-15.8
Value (\$000)	N/A	370	300	1 273	85.6
Savannah, Georgia					
Quantity (No.)	N/A	4	6	9	50.0
Value (\$000)	N/A	31	297	1 070	483.8
Wilmington, North Car.					
Quantity (No.)	N/A	14	11	35	58.1
Value (\$000)	N/A	277	322	753	65.0
Seattle, Washington					
Quantity (No.)	N/A	10	11	8	-10.6
Value (\$000)	N/A	270	244	672	57.9
Chicago, Illinois					
Quantity (No.)	N/A	12	11	23	38.4
Value (\$000)	N/A	255	1 158	640	58.4
Norfolk, Virginia					
Quantity (No.)	N/A	-	4	8	100.0
Value (\$000)	N/A	-	35	612	1661.2
Los Angeles, California					
Quantity (No.)	N/A	12	27	21	32.3
Value (\$000)	N/A	254	496	572	50.1
Cleveland, Ohio					
Quantity (No.)	N/A	1	2	3	73.2
Value (\$000)	N/A	126	236	175	18.0
Charleston, South Car.					
Quantity (No.)	N/A	1	2	3	73.2
Value (\$000)	N/A	28	127	71	58.5
Other					
Quantity (No.)	N/A	273	118	56	-54.7
Value (\$000)	N/A	3 461	2 928	109	-82.3
Total					
Quantity (No.)	N/A	352	248	202	-24.2
Value (\$000)	N/A	5 168	7 527	8 154	25.6

NOTES: Ranked in descending order by 1991 value.

Source: U.S. Department of Commerce.

**SHARPENING MACHINES
(TOOL OR CUTTER GRINDING)**

UNITED STATES IMPORTS (Cont'd)

BY CUSTOMS DISTRICT OF ENTRY (Cont'd)

**SHARPENING MACHINES, NOT ELSEWHERE SPECIFIED
(H.S. 8460.39.00.00)**

<u>Customs District of Entry</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>Average Annual Growth Rate 1989-91 (%)</u>
Savannah, Georgia					
Quantity (No.)	N/A	726	8 228	9 661	264.8
Value (\$000)	N/A	463	1 639	2 056	110.7
Cleveland, Ohio					
Quantity (No.)	N/A	31	18 746	10 336	1726.0
Value (\$000)	N/A	159	715	1 769	233.5
Chicago, Illinois					
Quantity (No.)	N/A	491	8 603	6 555	265.4
Value (\$000)	N/A	1 393	1 749	1 706	10.6
Baltimore, Maryland					
Quantity (No.)	N/A	679	714	27 329	534.4
Value (\$000)	N/A	1 876	1 102	1 479	-11.2
Los Angeles, California					
Quantity (No.)	N/A	6 596	5 196	1 006	-60.9
Value (\$000)	N/A	2 012	2 039	899	-33.1
New York City, New York					
Quantity (No.)	N/A	607	475	15 206	400.5
Value (\$000)	N/A	1 121	1 017	877	-11.6
Columbia-Snake					
Quantity (No.)	N/A	2 524	2 332	10 730	106.2
Value (\$000)	N/A	447	394	628	18.5
Norfolk, Virginia					
Quantity (No.)	N/A	316	368	383	10.1
Value (\$000)	N/A	216	358	556	60.5
New Orleans, Louisiana					
Quantity (No.)	N/A	4	2 727	5	11.8
Value (\$000)	N/A	43	620	494	238.2
Seattle, Washington					
Quantity (No.)	N/A	1 513	5 651	7 105	116.7
Value (\$000)	N/A	680	494	442	-19.4
Other					
Quantity (No.)	N/A	3 974	18 975	13 664	85.4
Value (\$000)	N/A	8 065	6 681	3 757	-31.7
Total					
Quantity (No.)	N/A	17 461	72 015	101 980	141.7
Value (\$000)	N/A	16 476	16 808	14 663	-5.7

NOTES: Ranked in descending order by 1991 value.

Source: U.S. Department of Commerce.

**SHARPENING MACHINES
(TOOL OR CUTTER GRINDING)**

**TARIFFS
CANADIAN**

Canadian imports included in this report are dutiable under the following Canadian tariff items:

<u>Tariff Item</u>	<u>Description of Goods</u>	<u>Tariff Treatment - 1992</u>		
		<u>Most Favoured Nation Tariff</u>	<u>General Preferential Tariff</u>	<u>United States Tariff</u>
	Sharpening (tool or cutter grinding) machines:			
8460.31.00	Numerically controlled	FREE	FREE	FREE
8460.39.00	Other	FREE	FREE	FREE

TARIFF ARRANGEMENTS AND FOREIGN COUNTRIES OF EXPORT

Exporting countries as shown in this report which qualify for the Most Favoured Nation tariff treatment: Fed. Rep. of Germany, Taiwan, United Kingdom, Italy, Switzerland, Japan and France.

Exporting countries as shown in this report which qualify for the Most Favoured Nation tariff treatment or General System of Preference tariff treatment (In order to qualify for the General System of Preference, a special certificate of origin is required.) : Poland and Hungary.

Enquiries concerning Canadian tariffs should be directed to the nearest Customs and Excise office or to:

Tariff Programs
Revenue Canada
Customs and Excise
Ottawa, Ontario
K1A 0L5
Tel.: (613) 954-7007
Fax.: (613) 954-2509

SHARPENING MACHINES (TOOL OR CUTTER GRINDING)

TARIFFS (Cont'd)

UNITED STATES

United States imports included in this report are dutiable under the following U.S. tariff items:

Tariff Item	Description of Goods	Rates of Duty - 1992		
		General	1	2
8460.31.00	Sharpening (tool or cutter grinding) machines: Numerically controlled	4.4%	FREE (A,E,IL) 0.8% (CA)	30%
8460.39.00	Other	4.4%	FREE (A,E,IL) 0.8% (CA)	30%

- 1 Generalized System of Preferences A
- United States-Canada Free-Trade Agreement CA
- Caribbean Basin Economic Recovery Act E
- United States-Israel Free Trade Area IL

2 Notwithstanding any other provisions, the rates of duty shall apply to products, whether imported directly or indirectly, of the following countries and areas pursuant to section 401 of the Tariff Classification Act of 1962, to section 231 or 257(e)(2) of the Trade Expansion Act of 1962, to section 404(a) of the Trade Act of 1974 or to any other applicable section of law, or to action taken by the President thereunder:

- | | | |
|----------------|-------------------------------------|--|
| Afghanistan | German Democratic Republic (former) | Mongolia |
| Albania | Kampuchea | North Korea |
| Bulgaria | Laos | Romania |
| Cuba | Latvia | Union of Soviet Socialist Republics (former) |
| Czechoslovakia | Lithuania | Vietnam |
| Estonia | | |

FOREIGN COUNTRIES

Enquiries concerning tariffs and other government trade regulations in foreign countries should be directed to:

Info Export
 External Affairs
 Ottawa, Ontario
 K1A 0G2
 Tel.: (613) 993-6435 or 1-800-267-8376
 Fax.: (613) 996-9709

SHARPENING MACHINES (TOOL OR CUTTER GRINDING)

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1- B-5935 Saw Blade/Right Angle Grinders

For more information on these and other opportunities, contact the nearest ISTC Regional Office listed at the end of this publication or the Market Intelligence and Technology Opportunities Service at (613) 954-4040.



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Services to Business Branch
Industry, Science and Technology Canada
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Ottawa, Ontario
K1A 0H5
Tel.: (613) 954-4970
Fax.: (613) 954-5463

OR
Advanced Manufacturing Technology Directorate
Industrial and Electrical Equipment
and Technology Branch
Industry, Science and Technology Canada
235 Queen Street
Ottawa, Ontario
K1A 0H5
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Fax.: (902) 566-7450

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Fax.: (902) 426-2624

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P.O. Box 981
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Fax.: (204) 983-2187

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Fax.: (403) 292-4578

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Whitehorse, Y.T. Y1A 2B5
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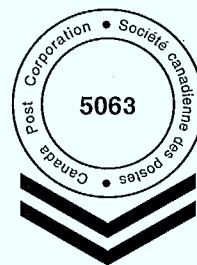
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