



Woodworking Machinery

Tooling & Accessories
Catalogue



Quality with Service

Established in 1996 to service the solid timber industry, Advanced Timber Systems Pty Ltd offers a full range of machinery and accessories to cover almost all facets of woodworking, but with our main focus on the solid timber industry.

Being a privately owned company and with a combined staff total of over 90 years' experience in the timber industry we offer a professional yet personal service throughout Australasia including but not limited to Fiji, New Zealand and Papua New Guinea.

Specialising in new and used machines such as

Moulders	Sanders	Ripsaws
Dust Collectors	Grinders	Timber Coating
End matchers	Fingerjointers	compressors
Docking Saws	Material Handling	

Our expertise in the timber industry allows us not only to supply a standard range of tooling and machinery but also to design & build custom equipment to meet our customer's specific requirements.

Our products are sourced from leading manufacturers in England, Germany, Sweden, Italy, China, Taiwan & Japan. As we have been dealing with most of our suppliers for more than 10 years we have a very good business rapport which enables us to offer the very best delivery of spare parts in case of an emergency.

With a fully equipped workshop complete with general engineering equipment alongside our purpose built showroom & parts store we are able to service a wide range of machinery as well as repair and/or make parts when required.

Regular visits to our manufacturing companies ensures ongoing improvement in design and allows us to maintain our:-

"Quality with Service"



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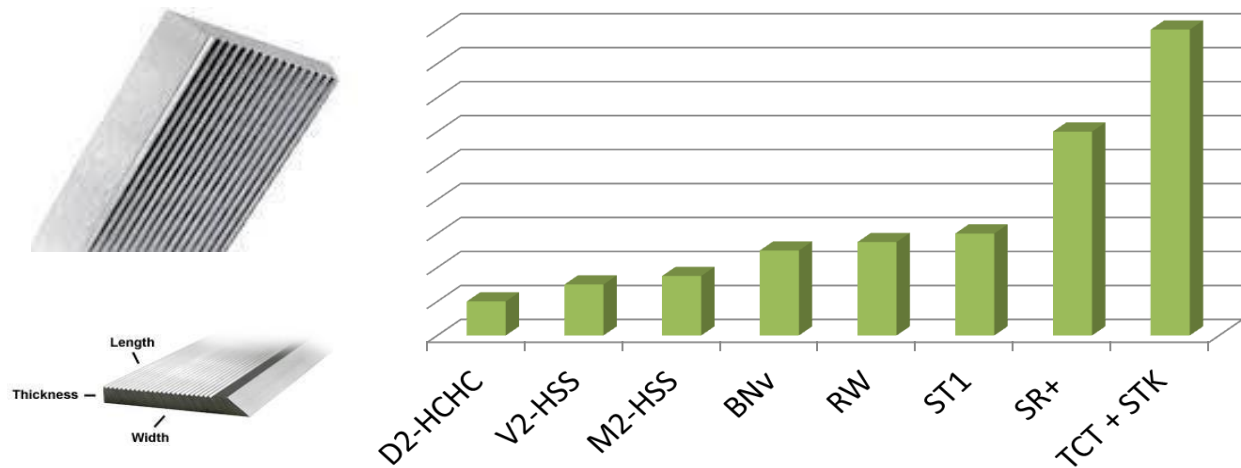


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Knife Guide



All below knives are available in set cut and balanced lengths

D2 - HCHC

High carbon & high chrome our D2 knives are easy to grind and resist gapping in knotty softwoods.

Type	Part No.	Length	Width	Thick
Planing	KN.D21M253	1010	25	3
	KN.D21M303	1010	30	3
	KN.D21M353	1010	35	3
Serrated	KN.D2650405	650	40	5
	KN.D2650408	650	40	8
	KN.D2650508	650	50	8
	KN.D2650608	650	60	8

V2 - HSS

With an increased level of Vanadium V2 - HSS is a high performing knife steel at an economical price.

Type	Part No.	Length	Width	Thick
Planing	KN.V21M253	1050	25	3
	KN.V21M303	1050	30	3
	KN.V21M353	1050	35	3
Serrated	KN.V2650405	650	40	5
	KN.V2650408	650	40	8
	KN.V2650508	650	50	8
	KN.V2650608	650	60	8
	KN.V2650708	650	70	8

Other sizes available on request

M2 - HSS

Our premium M2-HSS offers high levels of Tungsten, Molybdenum and Vanadium giving up to 25% longer run times than D2-HSS.

Type	Part No.	Length	Width	Thick
Planing	KN.M21M303	1010	30	3
	KN.M21M353	1010	35	3
Serrated	KN.M2650405	650	40	5
	KN.M2650408	650	40	8
	KN.M2650508	650	50	8
	KN.M2650608	650	60	8

BNv - HSS

BNv offers a much higher performance and longer wear life than standard HSS knives but with the added benefit of still being easy to grind.

Type	Part No.	Length	Width	Thick
Planing	KN.BN650303	650	30	3
	KN.BN650353	650	35	3
Serrated	KN.BN650405	650	40	5
	KN.BN650408	650	40	8
	KN.BN650508	650	50	8
	KN.BN650608	650	60	8

RW - HSS

By applying a hard long wearing diamond chrome coating to the face of V2 - HSS we have increased the wear life up to 100% over standard knives.

Type	Part No.	Length	Width	Thick
Planing	KN.RW1M253	1050	25	3
	KN.RW1M303	1050	30	3
	KN.RW1M353	1050	35	3
Serrated	KN.RW650405	650	40	5
	KN.RW650408	650	40	8
	KN.RW650508	650	50	8
	KN.RW650608	650	60	8
	KN.RW650708	650	70	8

Other sizes available on request

Kanefusa ST1

For a long time Kanefusa's ST1 knife has been the benchmark for coated knife steel offering 5 times the life compared to standard HSS.

Type	Part No.	Length	Width	Thick
Planing	KN.STP635303	635	30	3
	KN.STP635353	635	35	3
Serrated	KN.STS635508	650	50	8
	KN.STS635608	650	60	8

SR+ - HSS

Super run knife steel is the best option for extended production time and tool life. An excellent option for problem timbers and long production runs. With a life increase of up to 800% over standard HSS without the inconvenience associated with carbide.

Type	Part No.	Length	Width	Thick
Planing	KN.SR650303	650	30	3
	KN.SR650353	650	35	3
Serrated	KN.SR650508	650	50	8
	KN.SR650608	650	60	8

TCT - Tungsten Inlay

TCT is a good option for overcoming run time in hardwoods and laminated board.

Type	Part No.	Length	Width	Thick
Planing	KN.TCP100303	100	30	3
	KN.TCP130303	130	30	3
	KN.TCP150303	150	30	3
	KN.TCP180303	180	30	3
	KN.TCP230303	230	30	3
	KN.TCP1M304	1010	30	4
	KN.TCP610386	610	38	6
Serrated	KN.TCS650388	650	38	8
	KN.TCS650508	650	50	8
	KN.TCS6505010	650	50	10

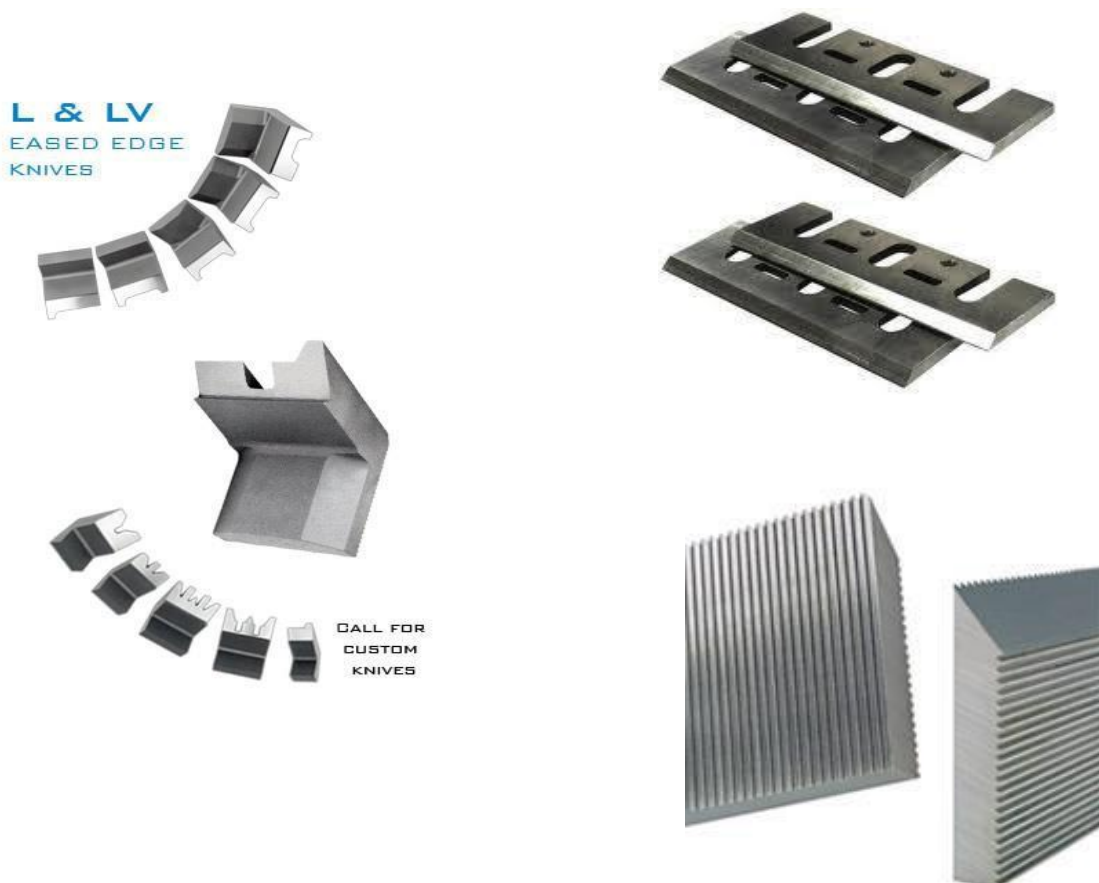
Other sizes available on request

STK - Solid Tungsten

The best option in replacement knives for long run life in hardwood. We have sourced the perfect grade to combat knife wear, chipping, cracking and easy grinding all in the one knife.

Type	Part No.	Length	Width	Thick
Planing	KN.STK100303	100	30	3
	KN.STK130303	130	30	3
	KN.STK150303	150	30	3
	KN.STK180303	180	30	3
	KN.STK230303	230	30	3
	KN.STK150304	150	30	4
	KN.STK180303	180	30	4
	KN.STK230303	230	30	4
	KN.STK260303	260	30	4
	KN.STK310303	310	30	4

We also stock many other sized knives as well as having the ability to custom order any size or grade our customers would like, we also sell a large range of specialty knives such as: LV and Rougher Header Knives.



Other sizes available on request

Turn Over Knives

Solid Carbide Turn Over Knives are a great option for many customers allowing long run times without the need to sharpen or the expense of knife breaking. Turn Over Knives can be made to nearly any profile you desire allowing for unlimited options when it comes to solid carbide tooling. We stock standard profiles along with many specialty knives to suit Flooring, Decking, Rebating and Window tooling.

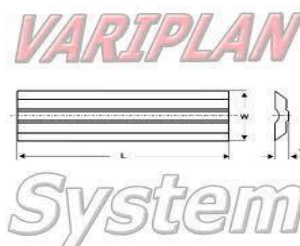
Part No.	Length	Width	Thick	Radius	Rougher
FK.000/177	12	11.5	1.5		
FK.000/180	14	14	2	yes	
FK.000/180P	28	16	2		
FK.000/181	7.5	12	1.5		
FK.000/183	12	12	1.5		
FK.000/184	15	12	1.5		
FK.000/185	20	12	1.5		
FK.000/186	30	12	1.5		yes
FK.000/187	50	12	1.5		yes
FK.000/190	14	14	1.2		

EXCELLENT	VERY GOOD	GOOD	ACCEPTABLE	NOT TOO GOOD	POOR	NOT SUITABLE
+++	++	+	0	-	--	---

GRADE	HDF	M-DF	CHIPBOARD	HARDWOOD	SOFTWOOD
T02UMG	+++	+++	+	--	--
T02SMG	++	+++	+++	-	--
T03SMG	+	++	+++	0	--
T04F	0	+	++	+	+
T08CR	0	++	++	++	+
T05UMG	+	+	+	+++	+
T06MF	-	-	-	0	+
T08MF	-	-	-	+	+
T10MG	-	0	0	++	++



We also stock a large range of revisable knives to suit the below heads:



Other sizes available on request

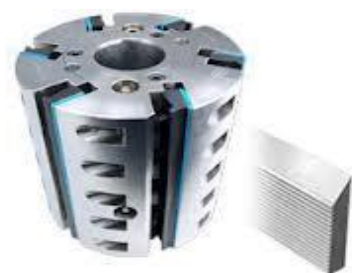
Cutterheads

Plain Bore Cutterheads are designed to suit most European and Asian moulders. With a high alloy steel body, and deeper & wider pockets to accept larger knife steel allowing additional resharpening. Available to suit both Plain and Serrated knives.



Diameter	Length	Bore	Wings
122/137/163	60	40/50	4
122/137/163	100	40/50	4
122/137/163	130	40/50	4
122/137/163	153	40/50	4
122/137/163	180	40/50	4
122/137/163	203	40/50	4
122/137/163	230	40/50	4
122/137/163	255	40/50	4
122/137/163	310	40/50	4

Hydrolock Cutterheads are designed to suit most European and Asian moulders. Made with high strength steel body, these heads suit a wide range of knife sizes. These heads are CNC machined to exact tolerances and balanced to run at speeds of up to 9000rpm. Available to suit both Plain and Serrated knives.



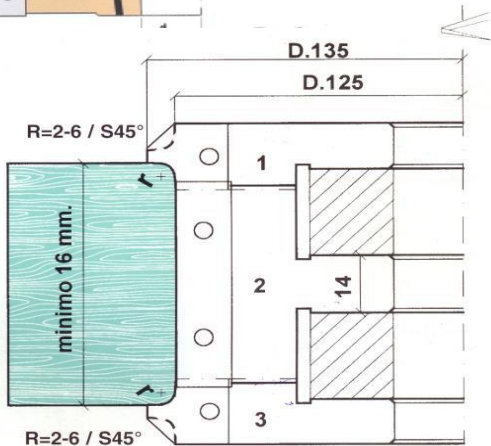
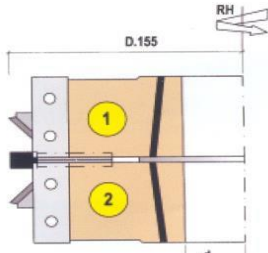
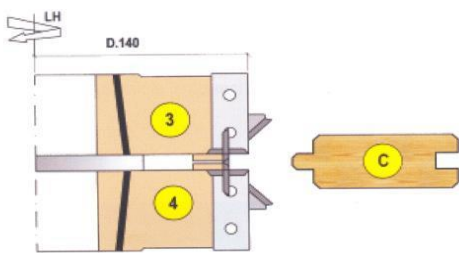
Diameter	Length	Bore	Wings
137/150/163/180/203	60	40/50	4/6/8/10/12
137/150/163/180/203	100	40/50	4/6/8/10/12
137/150/163/180/203	130	40/50	4/6/8/10/12
137/150/163/180/203	153	40/50	4/6/8/10/12
137/150/163/180/203	180	40/50	4/6/8/10/12
137/150/163/180/203	203	40/50	4/6/8/10/12
137/150/163/180/203	230	40/50	4/6/8/10/12
137/150/163/180/203	255	40/50	4/6/8/10/12
137/150/163/180/203	310	40/50	4/6/8/10/12

Other sizes available on request

Turn Over Knife Cutterheads offer great flexibility without the need of a grinder or grinding. With an endless availability of sizes, shapes and profiles, turn over knife cutterheads are a good option for quick setup of difficult profiles. Standard Planing sizes are listed but other sizes available on request.



Diameter	Length	Bore	Wings
125/150	100	40/50	6/8
125/150	130	40/50	6/8
125/150	153	40/50	6/8
125/150	180	40/50	6/8
125/150	203	40/50	6/8
125/150	230	40/50	6/8
125/150	255	40/50	6/8
125/150	310	40/50	6/8



Other sizes available on request

Solid Profile Cutterheads are the most effective cutter for both short and long run applications. They are custom designed and manufactured to suit each individual customer's needs and only require a tool and cutter grinder to face grind the heads. This eliminates the need for timely profile grinding. We stock a huge range of cutters to suit most standard profiles including decking and flooring. This allows us to have cutters delivered to your door in all states and territories within 1 - 3 days from order.

Solid Spiral



Diameter	Length	Bore	Wings
125	100	40/50	6/8
125	130	40/50	6/8
125	153	40/50	6/8
125	180	40/50	6/8
125	203	40/50	6/8
125	230	40/50	6/8
125	255	40/50	6/8
125	310	40/50	6/8

Solid Planing



Diameter	Length	Bore	Wings
125	100	40/50	4/6
125	130	40/50	4/6
125	153	40/50	4/6
125	180	40/50	4/6
125	203	40/50	4/6
125	230	40/50	4/6
125	255	40/50	4/6
125	310	40/50	4/6

Solid Profile



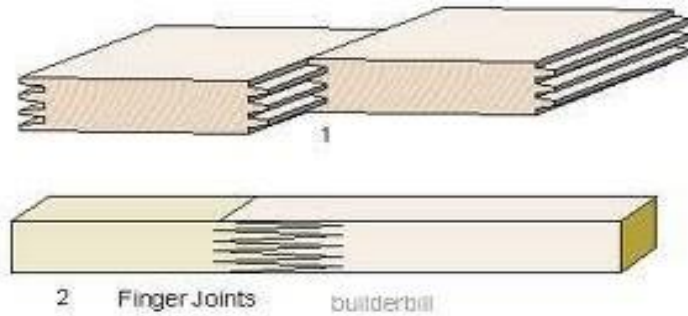
Profile	Diameter	Bore	Wings	Double Profile
19mm Decking	125/140	40/50	4/6	Yes
19-25mm Decking	140	40/50	4/6	No
20mm Decking	140/160	40/50	4/6	Yes
Reeded Decking	125	40/50	4	No
19mm Uni Nail	140	40/50	4	No
19mm Uni Nail	160	50/60	6/8	No
19mm Top Nail	140	40/50	4	No
Bottom Relief	125/140	40/50	4/6/8	Multi
Flooring End Match	140	40	8	No

Remember the above is only a guide as we have many more profiles and sizes on hand and can produce any custom profile required.

Other sizes available on request

Fingerjoint Cutters

We are able to offer a range of fingerjoint cutters in both HSS & TCT to cover most standard European and Asian Machines.



Profile	Diameter	Bore	Wings	Thickness
10mm	160	50/70	2/3/4	4
10mm	160	50/70	2/3/4	9
10mm	160	50/70	2/3/4	12
10mm	160	50/70	2/3/4	13
10mm	180	50/70	2/3/4	6
10mm	180	50/70	2/3/4	10.5



Other sizes available on request

Hydro Sleeves

Hydro Sleeves offer concentric mounting of saws and cutterheads to produce a smoother finish at higher feed rates with less tool distortion. We also offer a large range of plain bore sleeves for saws and cutters for use on standard machines.

Type	Length	Bore
GUN	75	40/50
GUN	95	40/50
GUN	115	40/50
GUN	140	40/50
GUN	190	40/50
GUN	230	40/50
GUN	240	40/50
SCREW	75	40/50
SCREW	90	40/50
SCREW	115	40/50
NON HYDRO	100	40/50
NON HYDRO	130	40/50
NON HYDRO	150	40/50
NON HYDRO	180	40/50
NON HYDRO	230	40/50

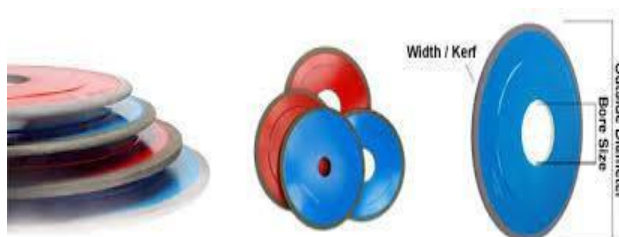


Other sizes available on request

Grinding Wheels

We stock a full range of grinding wheels and jointing stones to suit different machines and different applications.

Machine	Diameter	Bore	Width	Grit	Material	Type
Wadkin/Weinig	225	31.75/60	5	46	Vitrified	1A1
Wadkin/Weinig	225	31.75/60	5	54	Vitrified	1A1
Wadkin/Weinig	225	31.75/60	5	100	Vitrified	1A1
Wadkin/Weinig	200	31.75/60	3	D126	Dia/CBN	14A1
Wadkin/Weinig	200	31.75/60	4.7	D126	Dia/CBN	14A1
Wadkin/Weinig	200	31.75/60	6	D126	Dia/CBN	1A1
Wadkin/Weinig	200	31.75/60	8	D126	Dia/CBN	1A1
Wadkin	100	20	6	D126	Dia/CBN	6A2
Weinig	125/150	20	5	D126	Dia/CBN	6A2
Fullpower	150	16	5	D126	Dia/CBN	12A2
Weinig	150	20	5	D126	Dia/CBN	12A2
Fullpower	175	20	5	D126	Dia/CBN	12A2



Jointing Stones

Length	Width	Thickness	
35	12dia		HSS
38	12dia		HSS
38	12dia		TCT
60	20	15	HSS
60	20	15	TCT
100	19	6	HSS
100	19	6	TCT
160	60	15	HSS
230	60	15	HSS



Other products and sizes available on request

Sawblades

We are the Australasian agent for WAGEN SAWBLADES and specialise in Rip saws for Standard and Highspeed Moulders and Multi-Rip Machines. With the backing of the large Japanese company we can also offer custom manufactured sawblades to any specification with fast delivery times.



Description	Diameter	Kerf/ Plate	Bore	Teeth	Tooth Pattern
Ripping	150	2.5/1.6	40	12	BC
Ripping	150	2.5/1.8	60	18	BC
Ripping	150	3/2	40/60	12	B
Ripping	180	3.2/2.2	40	30	BC
Ripping	185	1.8/1.3	60	30	BC
Ripping	185	2.0/1.5	60	30	BC
Ripping	185	2.2/1.6	40	40	BC
Ripping	185	2.5/1.8	60	30	TC
Ripping	200	1.2/0.8	40	30	B
Ripping	200	2.0/1.5	60	18+3	B
Ripping	200	2.2/1.6	60	36	TC
Ripping	200	2.4/1.9	60	18+3	B
Ripping	200	3/2	31.75/40	24	BC
Ripping	230	2.8/2.0	60	24	B
Ripping	230	3/2	82.55	30	B
Ripping	230	3.4/2.5	60	18+2	B
Ripping	350	3.6/2.4	70	24/30	B
Ripping	350	3.8/2.4	70	12+3	B
Ripping	355	3.2/2.2	70	12+3	B
Ripping	400	4/3	30	36	BC
Ripping	405	3.5/2.5	25.4	72	BC
Ripping	405	4/3	70	18+4	B
Ripping	450	4.6/3.6	70	12+3	B
Description	Diameter	Kerf/ Plate	Bore	Teeth	Tooth Pattern
Trimming	450	4/3	30	72	BC
Trimming	450	5/4	30	108	BC
Trimming	455	5/4	30	72	BC
Trimming	455	5/4	30	96	BC
Trimming	455	5/4	30	120	BC
Trimming	455	5/4	30	136	BC
Trimming	500	5/4	30/40	108	BC

Other products and sizes available on request

Tool Room Supplies

With your tool room being the back bone of your production we don't leave you to struggle with finding the right products. We carry them on our shelves and can also offer tool room assessments to help organise and keep the flow throughout the busy day.



Description	Details	Size
Coolant	Cimstar Complete Grinding Coolant	1/4/20lt
Cleaner	Cimclean Grinder Cleaner	1/4/20lt
Tool Cleaner	Timber Plus Cutter Cleaner	5lt
Grease Gun	Standard & Hydro Grease Guns	450/400g
Grease Gun Parts	Wanner, Abbnox & Weinig Hydro Gun Parts	
Hydro Grease	Pressol	400g
Grease	Prolube Standard Machine Grease	450g
Bed Lube	Environmentally Friendly non staining bed lubrication oil	20lt
Oils	Gearbox and Hydraulic Oil	20lt
Screws	Dog Point Gibb Screws	M6/8/10/12
Gibbs	Different Size Gibb Strips Available	
Knife Setters	Magnetic Knife Setting Gauge	Set
Setting Stand	Up to 330mm Setting Stand	
Spill Kits	General Purpose Spill Kits	Kit
Air	Retractable Air Hose & Guns	
Straight Edge	Precision Straight Edges	.3/1/2m
Dresser	Diamond & Compound Dressers and Cleaning Sticks	
Filter	Grinder Filter Paper	100pcs



Other products and sizes available on request

Machine Supplies

As well as tooling we also sell all types of solid wood working machines and spare parts. Following are some standard items stocked.



Description	Details	Size
Poly Ducting	Polyurethane Flexible Ducting	75/100/125/140/150 160/178/203/250/300
Steel Flex	RadcoFlex Steel Flexible Ducting	125/150/180/205
Steel Ducting	Steel Factory Ducting	All Sizes
Steel Bends	Steel Bends and Fittings	All Sizes
Steel Feedwheels	Case Hardened and Chrome Plated Wet wood, Hardwood & Softwood	140x 5/15/20/25/35/40/50
Poly Feedwheels	Polyurethane Covered Feedwheels	140x 20/25/35/50
Drive Belts	S251, Vee, Cogged, Ribbed and Variable Speed Belts	
Bearings	Stockist of NSK, RHP and SKF Bearings	
Lube Pumps	Automatic & Manual Bed and Slide Lubrication Pumps	
Pressure Pad	Moulder Pressure Pads for Ripping and Custom Profiling	
Pressure	Top and Side Pressure Devices	
Shims	0.1-3.0mm Precision Tooling and Machinery Shims	40/50/60mmBore + Sheets
Spacers	3.0-50.0mm Precision Tooling Spacers	40/50/60mmBore
Bolts	Din Standard Machinery Bolts	M10/12
Air	Air Line and Fittings	4/6/8/10/12mm
Straight Edge	Precision Straight Edges	.3/1/2m
Outboard	Hydro Outboard Sleeves and Bearings	Wadkin/Weinig Leadermac/Fullpower Winner
Shaft & Barrels	Precision Machined Shafts and Barrel	Wadkin/Weinig Leadermac/Fullpower Winner
Tally	Trumeter Timber Counters	
Chalk	Fluoro Fault Marking Chalk	12pcs



Other products and sizes available on request

Service & Training



Advanced Timber Systems has a team of qualified trades people with an extensive knowledge of solid wood processing along with all other related industries including engineering, compressed air and dust collection.



We have a purpose built engineering workshop allowing us to repair and fabricate parts to provide the fastest turn around on repairs to your machine. We also offer regular service contracts, spindle re-builds, machine refurbishment as well as pneumatic and dust extraction fit outs and alterations.



With our team of trained staff we can also offer operator training in our training room, on our machines, or on site on your own equipment. Our training programs are tailored to suit individual needs rather than generic wood machining covering areas of no real significance. With a total of five wood machinists we can also offer a relieving service should your operator be absent due to holidays or ill health.



ATS

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