

INDUSTRIAL TOOLING

Machinery



trend[®]
industrial tooling

TSM100 SPINDLE MOULDER



The TSM100 spindle moulder is a sturdily built machine complete with a flush mounted sliding table suitable for the modern joinery shop.

- Cast, precision ground, steel table ensures maximum stability and durability.
- Five spindle speeds allow for a wide variety of different tooling to be used on the machine from small diameter profiling blocks to large diameter tenon heads for window and door production.
- The machine has been specially developed to suit our Window System tooling and can produce all eight different styles of windows and doors (optional tenon hood required for doors).

Technical Specification:

Motor Power	7.5HP (5.5KW) S1 (100%)
Table Dimensions	1100mm x 940mm
Sliding Table Dimensions	1100mm x 300mm
Vertical Spindle Stroke	140mm
Spindle Diameter	30mm (or 1-1/4")
Spindle Speeds (RPM)	2500, 4200, 6000, 8000, 10000
Maximum Useable Spindle Height	140mm
Maximum Tooling Diameter (with Std. Hood)	240mm
Maximum Tooling Diameter (with Tenon Hood)	300mm
Maximum Tooling Diameter Below Table	300mm
Table Height	920mm
Diameter of Dust Extraction Port in Hood	120mm
Diameter of Dust Extraction Port at Base of Machine	80mm
Overall Dimensions (L x W x H)	1200mm x 1240mm x 1200mm
Voltage	415V/50Hz (3 phase)
Accoustic Power	80 dBw(A)
Net Weight	560kg

Flush Mounted Sliding Table Control Panel



The aluminium flush mounted table runs on 8 high precision bearings ensuring smooth running and outstanding accuracy. A slot in the table is used for locating the tenoning clamp or the optional Tenoning Table.



The control panel is mounted on the right-hand side of the machine and contains the soft start (automatic star, delta) button, speed indication lights and emergency stop button. The optional electronic spindle height and tilting adjustment controls would also be mounted here.

Tenoning Clamp



The eccentric clamp comes as standard with the machine and fits into the locating slot on the sliding table. It provides firm and positive clamping, essential when performing any tenoning operation.

Back-fence Adjustment



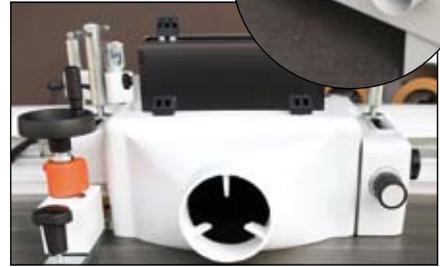
The back-fence has an integral micro-adjuster which controls the position of the complete back-fence.

Ring Fence



The ring fence comes as standard with the machine and replaces the back-fence when producing curved and circular work. It comes complete with adjustable guarding, lead on finger and a 100mm diameter dust extraction port.

Dusthood



The hood has a 120mm port for dust extraction. Also a secondary 80mm outlet at the rear of the machine provides extraction from beneath the spindle.

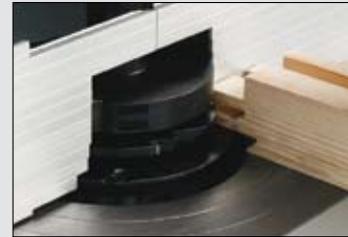
Optional Extras

Optional Power Feed



An essential piece of equipment on any spindle moulder. It provides a good finish on the material due to a constant feed speed and is the safest way to profile on a spindle moulder. It must be used with our Modular Window System. Our power feed comes complete with 3 rollers and 4 different speeds. It connects directly to a 3 phase socket on the rear of the machine.

Optional Safety Fence



The optional alloy safety fence has individually adjustable sliding fingers that can be locked in position around the cutter heads. It provides good support to the work piece when profiling and prevents the work piece from 'dropping in'.

Optional Table Extension



The optional table extension enables larger sections to be machined easily. Particularly suitable if you want to produce doors and larger windows.

Optional Tenoning Hood



The optional tenoning hood is suitable for use with larger diameter tools (up to 300mm diameter); particularly tenon tools for producing doors.

Optional Tenoning Table



The 20mm thick tenoning table fits easily into the slot on the sliding table. Used in conjunction with the tenoning clamp and fence; suitable for getting smaller workpieces closer to the cutter heads.

Description

TSM100 Spindle Moulder 30mm Shaft (CE) 7.5HP
TSM100 Spindle Moulder 1 1/4" Shaft (CE) 7.5HP

Product Ref

TSM100/75/30 £6,600.00
TSM100/75/114 £6,600.00

Price

Optional Equipment

Power Feed
Alloy Safety Fence
Manually Operated Tilting Spindle (-5 degrees, +45 degrees)
Electronic Tilting Spindle (-5 degrees, +45 degrees)
Electronic Spindle Rise and Fall
20mm Thick Tenoning Table
Tenoning Hood
Front Table Extension
Digital Spindle Height Read Out
Reverse Spindle Rotation
Speed Change by Inverter (800 to 10,000 RPM)
Motor Power Increase (per HP)
Speed Read Out
Combined Motorized Rise & Fall/tilt (Complete with Control Panel)
Suspended "Eye Level" Control Panel

TSM100/PF £650.00
TSM100/ASF £499.00
TSM100/MTS £690.00
TSM100/ETS £730.00
TSM100/ERF £1,240.00
TSM100/TT £190.00
TSM100/TH £170.00
TSM100/FTE £610.00
TSM100/DHR £480.00
TSM100/RSR £150.00
TSM100/SCI £2,100.00
TSM100/IHP £74.00
TSM100/SRO £240.00
TSM100/MRFT £1,970.00
TSM100/HCP £680.00

All prices are exclusive of VAT

Thickness Planer

These Thickness Planers have a robust construction suitable for the modern joinery shop with cast iron tables.

- Working capacity for TTP400 is 400mm x 220mm and for TTP530 is 530mm x 300mm.
- Motorised pressure roller and out-feed roller ensure a perfect finish on hard woods and soft wood.
- Easy to use, ergonomically designed controls.
- Larger capacity 630mm wide machine available.
- Large range of optional extras available, please enquire.
- Manufactured in Italy.

Technical Specification:	TTP400	TTP530
Table Dimensions	415mm x 750mm	550mm x 960mm
Working Capacity	400mm	530mm
Maximum Material Thickness	220mm	300mm
Minimum Material Thickness	4mm	4mm
Maximum Depth of Cut	8mm	8mm
Cutterblock Diameter (4 Knives)	120mm	120mm
Shaft Speed (RPM)	4,800	5,000
Feed Speeds (m/min)	6.5/13	Variable 4.0 - 20.0
Cutterblock Motor Power	4HP (3KW)	5.5HP (4KW)
Feed Motor Power	1.5HP	1.5HP
Diameter of Dust Extraction Port	120mm	140mm
Net Weight	480kg	750kg



Description

TTP400 Thicknessing Planer 400mm Capacity (CE) 4.0HP
TTP530 Thicknessing Planer 530mm Capacity (CE) 5.5HP

Product Ref

TTP400
TTP530

Price

£5,700.00
£7,100.00

Optional Equipment

Increase Motor Power (each HP)
2 Rollers on the Table (TTP 400)
2 Rollers on the Table (TTP 530)
1 Motorized Roller on the Table (TTP 530)
1 Free Roller on the Table (TTP 530)
Automatic Lifting
Sectioned Roller on Entry
3rd Upper Feeder Roller in Steel
3rd Upper Feeder Roller in Rubber
Digital Read Out
Electronic Programmer
In Feed Roller Table
Out Feed Roller Table

TTP/IHP £74.00
TTP400/ROT £402.00
TTP530/ROT £570.00
TTP530/MRT £380.00
TTP530/FRT £323.00
TTP/AL £698.00
TTP/SR £1,025.00
TTP/SFR £370.00
TTP/RFR £495.00
TTP/DRO £590.00
TTP/EP £2,095.00
TTP/IFRT £360.00
TTP/OFRT £350.00

Surface Planer

Robust construction suitable for the modern joinery shop with cast iron tables provide stability and ensure maximum accuracy.

- Easy to use, ergonomically designed controls.
- Larger capacity machine (2900mm long table) is available.
- Large range of optional extras available, please enquire.
- Manufactured in Italy.



Ergonomically Positioned Control Panel



Cutting Depth Adjustment



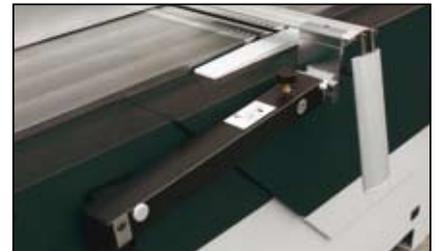
Easily Adjustable Cast Iron Fence



Technical Specification:

	TSP400	TSP500
Table Dimensions	2520mm x 400mm	2890mm x 500mm
Feed Table Length	1340mm	1520mm
Maximum Depth of Cut	10mm	10mm
Cutterblock Diameter (4 knives)	120mm	120mm
Fence Dimensions	1200mm x 170mm	1200mm x 170mm
Fence Angle Adjustment	90 - 45 degrees	90 - 45 degrees
Shaft Speed (RPM)	4,300	4,500
Cutterblock Motor Power	4HP (3KW)	5.5HP (4KW)
Diameter of Dust Extraction Port	120mm	140mm
Net Weight	450kg	510kg

Folding Safety Bridge



Description

TSP400 Surface Planer (2.5M Table) 4.0HP
TSP500 Surface Planer (2.9M Table) 5.5HP

Product Ref

TSP400
TSP500

Price

£5,500.00
£6,200.00

Optional Equipment

Mortiser in Cast Iron
Single Phase Motor
Increase Motor Power (per HP)
Motorized Lifting Infeed Table

TSP/MCI
TSP/SPM
TSP/IHP
TSP/MLI

£1,050.00
£80.00
£74.00
£740.00

TCPT410 Combined Planer/Thicknesser

The TCPT410 Combined Planer/Thicknesser has a robust construction suitable for the modern joinery shop with cast iron surfacing and thickening tables. The machine is supplied with the Fit & Go knife change system.

- Space saving, combines two operations, planing and thickening, in one machine.
- 410mm cutting width, 2120mm long planing table.
- Very quick change from planing to thickening with powered surfacer table opening (optional extra).
- Fast and accurate knife change with "Fit & Go" system.
- Manufactured in Italy.



Technical Specification:

Cutterblock Diameter (4 Knives)	100mm
Cutterblock Motor Power	5.5HP (4KW)
Feed Motor Power	1.5HP
Diameter of Dust Extraction Port	120mm
Shaft Speed (RPM)	4,800
Feed Speeds (m/min)	6.5/13
Net Weight	530kg

Surfacing:

Table Dimensions	2120mm x 410mm
Feed Table Length	1040mm
Fence Dimensions	1100mm x 160mm
Fence Angle Adjustment	90 - 45 degrees

Thicknessing:

Thicknessing Table Dimensions	410mm x 810mm
Maximum Material Thickness	230mm
Minimum Material Thickness	4mm
Maximum Depth of Cut	7mm

Description

Description	Product Ref	Price
Combined Thicknesser Planer	TCPT410	£5,700.00
Combined Thicknesser Planer (Powered Surface Tables)	TCPT410A	£6,500.00
Combined Thicknesser Planer (Power Surface/Thicknessing Tables)	TCPT410AA	£7,000.00

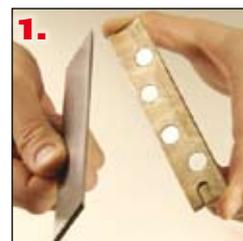
Optional Equipment

Mortiser in Cast Iron	TCPT410/MCI	£960.00
Single Phase Motor	TCPT410/SPM	£80.00
Increase Motor Power (per HP)	TCPT410/IHP	£74.00
2 Rollers on the Thicknesser Table	TCPT410/RTT	£360.00
Wheel Kit	TCPT410/WK	£250.00
Electronic Read Out	TCPT410/ERO	£545.00
Powered Thicknesser Table	TCPT410/PTT	£690.00
Powered Opening of The Surface Tables	TCPT410/POST	£910.00

Autoplanus Planer Block

Autoplanus is a simple and innovative solution that provides automatic positioning of standard planing knives to reduce knife change and set-up time. The system is suitable for all through-feed planers and moulders.

- The Autoplanus system eliminates expensive time-consuming knife changing. Knife changing couldn't be simpler!
- A unique system that allows you to plane using standard knives and maintain a constant diameter even after many re-grinds.
- Simple and quick knife change through innovative magnetic wedge design ensures automatic knife positioning every time.
- Set all of your planer knives quickly and accurately in minutes not hours!
- Uses standard planer knives (HPS, HSS or TC quality).
- Knives can be re-sharpened up to 45 times without any loss of diameter.
- Excellent cutting performance even in heavy duty applications.
- Large chip discharge area allows for increased stock removal and better quality finish.
- Designed for planing all types of wood.
- An extra set of wedges and planer knives can be kept ready to make knife changeover even quicker.
- Other cutterhead lengths are available on request.



1. With one hand holding the knife and the other the wedge (magnet side facing the back of the knife), fit the knife to the wedge.



2. The knife is held to the wedge by the magnets. By pushing the wedge from the top, the knife can be easily and precisely positioned against the wedge.



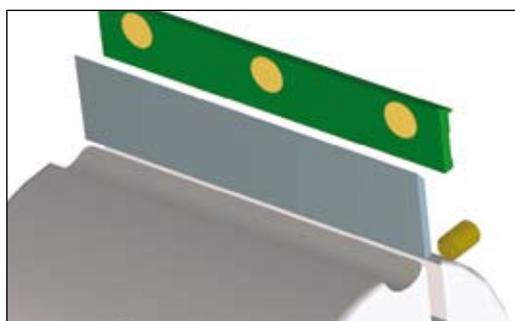
3. The cartridge is then inserted from the side...



4. ...or from the top.



5. The blades are set in minutes and the planer is ready for use.



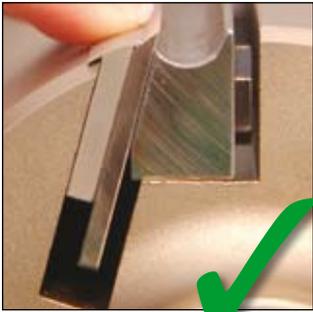
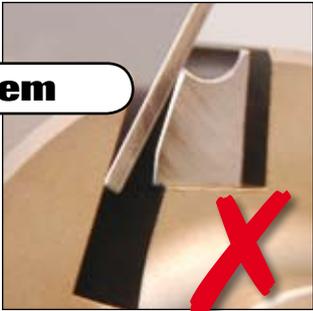
Description	Dia.	Length	Bore	Z	Product Ref	Price
Autoplanus Planer Head	125mm	130mm	40mm	4	IT/AUTO/PH009	£465.00
Autoplanus Planer Head	125mm	230mm	40mm	4	IT/AUTO/PH019	£685.00
Autoplanus Reference Head	145mm	12mm	40mm	4, V4	IT/AUTO/RH009	£269.00
		Length	Width	Thickness	Quality	
Spare Knife	130mm	30mm	3mm	HPS	IT/AUTO/B130HP	£5.70
	230mm	30mm	3mm	HPS	IT/AUTO/B230HP	£9.60
	130mm	30mm	3mm	HSS	IT/AUTO/B130HS	£8.50
	230mm	30mm	3mm	HSS	IT/AUTO/B230HS	£14.50
	130mm	30mm	3mm	TC	IT/AUTO/B130TC	£25.30
	230mm	30mm	3mm	TC	IT/AUTO/B230TC	£42.20
		Length				
Spare Wedge	130mm				IT/AUTO/W130	£46.50
	230mm				IT/AUTO/W230	£52.50



Fit & Go Planer Knife System

Fit & Go is the unique auto-positioning system that uses your existing cutterhead and standard planer knives.

- Specially developed magnetic adaptor ensures that the standard planer knife is automatically set in the cutterhead - every time.
- Constant diameter is maintained, even after many re-grinds.
- The system can be used on combination surface planers and thicknessers, universal machines, planers and thicknessers.
- Please note, the system includes a magnetic adaptor and wedge for each knife.

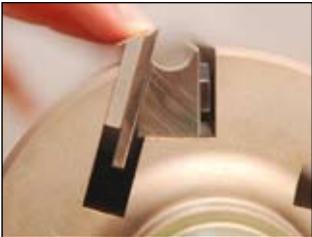


1. Fit Wedge



Fit the wedge into the slot of your planer head.

2. Insert Cartridge



Fit the cartridge (adaptor and knife) into the slot.

3. Push In



Push down until they stop.

4. Tighten Up



Tighten up the locking nuts.

Compatibility

Fit & Go has been designed to fit many of the standard planing/thicknessing machines on the market. We recommend that you check the size of your planer head slot with our compatibility gauge. Please contact our Technical Support Department (01923 249911) for your free gauge, Product Ref. IT/FG/GAUGE.



Length	Number of Blades		
	Z2	Z3	Z4
254mm	£ 339.00	£ 394.00	£ 438.00
305mm	£ 339.00	£ 394.00	£ 438.00
356mm	£ 339.00	£ 394.00	£ 438.00
400mm	£ 339.00	£ 394.00	£ 438.00
410mm	£ 349.00	£ 405.00	£ 449.00
430mm	£ 360.00	£ 415.00	£ 460.00
500mm	£ 382.00	£ 449.00	£ 515.00
510mm	£ 393.00	£ 460.00	£ 526.00
520mm	£ 398.00	£ 471.00	£ 537.00
530mm	£ 405.00	£ 482.00	£ 548.00
630mm	£ 449.00	£ 526.00	£ 614.00
640mm	£ 449.00	£ 526.00	£ 614.00

Price includes wedge and adaptor.

Drilling Unit for Espagnolette Handle

To drill three holes in wooden window frames for espagnolette handles.

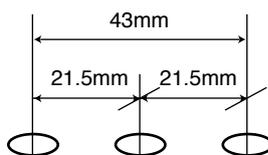
- Drills three holes to accept espagnolette handles for windows.
- For use with multibore drills with 10mm diameter shank.
- Use with a corded drill, drill stand or pillar drill.
- Centre chuck is right hand rotation and the two outside chucks are left hand rotation.



**For
Espagnolette
Handles**

Technical Specification:

Size	140mm x 212mm x 101mm
Drill Chuck Capacity (minimum)	9.5mm
Drill Centres	21.5mm
Size	10mm
Rotation	2 x left hand, 1 x right hand
Maximum Drill Lengths	57.5mm
Maximum Drill Diameter (3 tools)	10mm/25mm/10mm
Maximum Speed (RPM)	1,800
Weight	2.7kg



Description

Espag Handle Drilling Jig
(Drill bits not included)

Product Ref

IT/MWS/TRI/A

Price

£289.00

Product Ref.

Dia.	RH	LH	Price
3mm	IT/DSC30R + IT/203 952 7	-	£21.00
4mm	IT/201 281 7	IT/201 282 7	£14.00
5mm	IT/201 001 7	IT/201 004 7	£10.00
8mm	-	IT/201 016 7	£11.00
10mm	IT/201 019 7	IT/201 022 7	£12.00
11mm	IT/201 023 7	IT/201 024 7	£14.00
12mm	IT/201 025 7	IT/201 028 7	£14.00
25mm	IT/203 107 7	-	£31.00
26mm	IT/203 113 7	-	£31.00
35mm	IT/203 125 7	-	£35.50
40mm	IT/203 131 7	-	£47.50



JOINTING SYSTEMS

Archpress Clamp

The new way to joint arch window sections easily, quickly and precisely. This pneumatic press is equipped with a patented positioning system that ensures the timber pieces are correctly aligned, even at the most acute angles. Archpress eliminates old manual clamps and you can joint timber immediately.

- Archpress clamp operates completely by pneumatics.
- Built in timer it is easy to select the correct length of time to hold the wood pieces in the clamped position.
- The push-system, combined with the heavy piston force, make it possible to handle the workpiece in only a few seconds after the timber is clamped together and you no longer need to wait for the glue to dry; the timber can be machined straight away.



Height Adjustment



Adjusting the clamping height is simple. Just set the thickness of the wood on the laser marked scale and it's done.

Fully Adjustable



The indexed clamping toggle makes it easy to adjust the Archpress to suit different wood thicknesses and widths. You can also set the angle of the clamping cylinders.

Timer



The main switchboard allows you to independently adjust the opening and closing speed and also set the clamping time.

Positioner



The patented positioning system makes placing the workpiece in the correct position extremely easy because:

- It correctly spaces the right distance between workpieces.
- It has independent positioning from the workpiece angle.
- The laser marked scale allows you to align the pieces longitudinally.

Glue Tray



Excess glue will fall into the tank which will require cleaning after use.

Operates by two-handed valve push buttons for safety.

Safe

The Archpress requires two-handed operation making it very safe to use.

Technical Specification:

Dimensions

Stroke

Weight

Power Requirement

Description

Archpress (2 Cylinders)

Archpress (4 Cylinders)

Cabinet with Wheels

Work Piece Holder for Longer Sections (per pair)

Clamp Support for Wood Thickness up to 150mm

Adjustable Roller Stands

Additional Cylinder Kit (price for pair)

Product Ref

IT/ARCH/2C

IT/ARCH/4C

IT/ARCH/CW

IT/ARCH/WPHL

IT/ARCH/CS

IT/ARCH/ARS

IT/ARCH/ACK

Price

£3,700.00

£4,500.00

£999.00

£399.00

£159.00

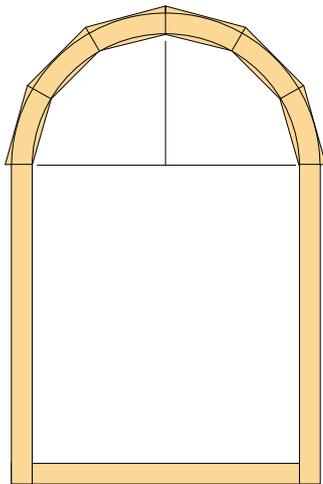
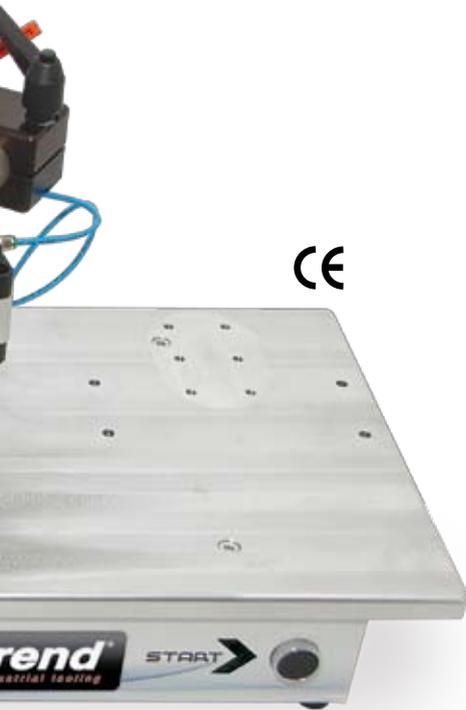
£119.00

£799.00

Glue Joint Spindle Block

Cutter head body in hard wearing steel complete with disposable tungsten carbide knives. Suitable for producing 15mm deep glue joints in solid timber.

- Designed for strong end grain joints in solid timber (can also be used for jointing small lengths of timber along the grain).
- Will joint variable thickness timber from 44mm to 92mm.
- Produces a 15mm deep finger joint for maximum gluing area.
- Especially suitable for the Archpress jointing machine to produce arch windows and doors.
- Special adjustment system allows users to micro-adjust the strength of the joint.
- Disposable inserts ensure a perfect fitting joint every time.



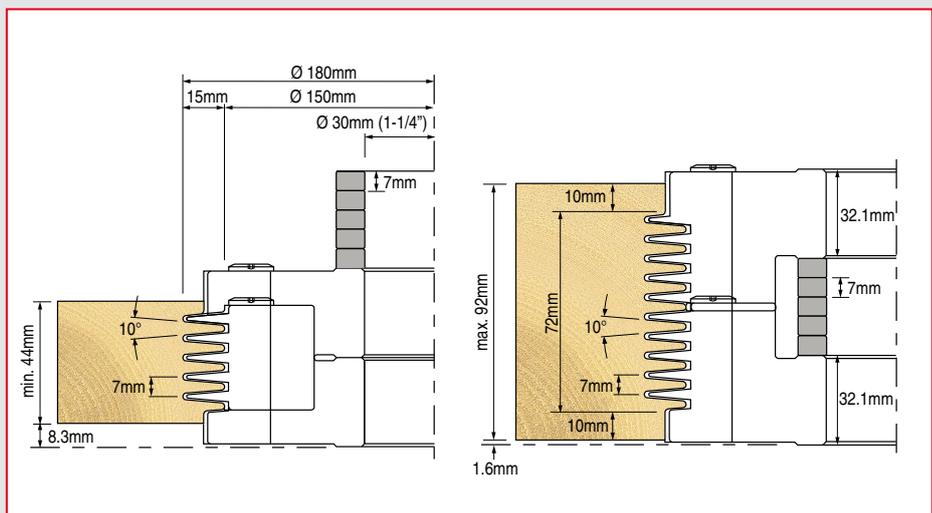
Typical arch topped timber window.

840mm x 370mm x 360mm

40mm

70kg

Pneumatics



ØD Diameter	B Height	Ød Bore	Product Ref.	n(max)	Price
150mm (180)	44 - 92mm	30mm	IT/ST/GJ001	7,800	£1,200.00
150mm (180)	44 - 92mm	1-1/4"	IT/ST/GJ007	7,800	£1,200.00

Brochures

Modular Window System Catalogue

8 different window styles, one machine, one set-up. Make wooden windows quickly and accurately on a spindle moulder with minimum set-up time.



Industrial Tooling Catalogue

High quality sawblades, spindle tooling, drilling and CNC tools, that have been developed specifically for the UK industrial woodworking market.



Routing & Woodworking Catalogue

Includes 4000 precision engineered and innovative products, which include router cutters, power tools, router tables, jigs, sawblades and a wide range of routing accessories.



CNC SMART Machine Brochure

Computer controlled routing technology, offering high performance machines for a wide variety of applications.



**Please phone
01923 249911
or visit:
www.trend-uk.com**

for your free catalogue requests and details of your nearest stockist.

Available from:



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technical@trendm.co.uk
www.trend-uk.com

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