



Quality • not only on the surface

BRUSH SANDING SYSTEM



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Many customers have asked us for a document covering the total customer process for surface sanding, including advice on how to optimize the sanding implementation and reduce the time spend on hand sanding.

Flex Trim® is the market leader in surface sanding, with a knowledge and experience from many years of working with customers like you. We are wood people ourselves and our products are developed by wood people for wood people. Our knowledge is your knowledge.

We are proud of our technical team, who is out there working with customers in improving their sanding process. It is important for Flex Trim® that the customer must be able to see and feel an improvement in the quality of their finished product using a Flex Trim® solution.

Customers will either buy a sanding machine or Build one from scratch. In both implementations you will have to specify many parameters to obtain the optimized sanding solution. In many cases you will also have to look at the process before the sanding stations, remember if the foundation is not perfect the sanding stations will have a difficult time producing the quality product you expect.

This document covers the elements important for producing an outstanding products, that makes your company very competitive in a market seeing more specialized and complex products.

Following elements are covered in this document

- **Brush Sanding System**

- **Abrasives**
 - Grit, Media, Trim (Height) and Cuts
 - Sanding Pressure
- **Support Brushes**
- **Sanding Heads**
 - Diameter, Length and Bore Size
 - The right Speed
 - Hub Diameter vs RPM
 - The number of Heads
 - Feed Speed vs number of heads
- **Sanding Quadrant**



- **Brush Sanding Solutions**

- **Raised Panel Profile Sanding**
- **Outer Edge Profile Sanding**
- **Customer Testimony**



- **Sanding Systems**

- **FlexSander Systems**
- **Flex Trim® Brush Sanding System installed on**

The team at Flex Trim® US is looking forward to working with you to improve your quality of sanding, reduce hand sanding and reduce the cost of sanding by offering long stand time and reduction of lacquer used

Do not hesitate to contact:

1-855-437-3390 for pricing, product information, visit and product availability

BRUSH SANDING SYSTEM

Abrasives: Grit, Media



The unique Flex Trim® brush sanding system is very effective and produces results previously thought to be impossible or limited only to hand sanding. The brush sanding strips are made up of two parts, sandpaper that is cut like a comb, with brush fiber (Mexico or Horsehair) clamped directly behind them. When pushed against the workpiece surface, the brush and sandpaper conforms to the workpiece contours, much like pushing sandpaper only with your fingers, thereby smoothing the surfaces.

It is the attention to detail here, and the wealth of knowledge that has been accumulated from application over the last 10 years, that is included with every Flex Trim® product.

Flex Trim® brush sanding system offers following grit, trim (height), media and cut:

- Grit: See table below
- Media: See table below
- Trim: 20mm, 30mm, 40mm, 45mm, 55mm, 70mm, Horsehair (45mm)
- Cut: 3.0mm, 4.5mm, 6.7mm, 20mm, No Cut

	Types of Sanding Media						
	Cora	Vitex	Ceramic	Film	Silicon	Abranet	Leather
Grit			40				
	60		60				
	80		80		80	80	
	100	100	100		100		
	120	120	120		120	120	
	150	150	150		150		
	180	180	180		180	180	
	220	220	220		220		
	240	240	240	240	240	240	
	280	280	280		280		
	320	320			320	320	
	400			400	400	400	
	600			600		600	
				800			
				1200			

Brush sanding is easy to set up and Flex Trim® doesn't claim to be able to have a solution for every problem, however, with the large range of heads and combinations of strips most sanding problems can certainly be addressed. Also brush sanding does not need to be pre-shaped to sand an object because it follows a calibrated surface. The combination of the right sanding strips and complementary head, correct speed and pressure ensure optimal results.

The importance of sanding and denibbing, prior to paint application can never be over-emphasized, because it becomes a foundation, and then all other sanding that follows is complimentary.



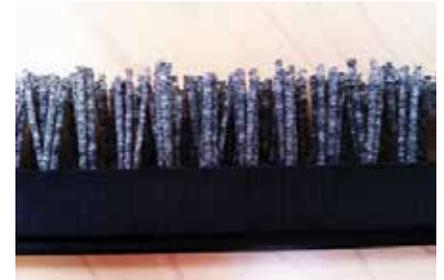
STRUCTURING

Flex Trim A/S are launching a new product line.
 Flex-Structure. As a start, the product line will contain 2 types.
 FlexTynex & FlexBrass.

The specifications are as follows:

FlexTynex

Technical specifications:	
Grit	46 (SIC)
Brush height	25mm (in average - un-cut)
Total height	45 mm (in average - un-cut)
Thickness	1,6mm
Rows	2



Achieve the wire brush look
 using your existing
 Flex Trim Hubs

FlexBrass

Technical specifications:	
Type	Twisted Brass
Brush height	30mm (in average - un-cut)
Total height	50 mm (in average - un-cut)
Thickness	27x0,175mm
Rows	2



LITE SAND



LiteSand is based on traditional principles, which means the sanding brush is delivered as a complete part with the abrasive glued on the socket of the brush.

Sanding core

The sanding cores are available in two different diameters: Ø 120mm and Ø 180mm. They are furthermore available in different lengths from 100mm up to 365mm. Lengths exceeding 365 mm, can be obtained by combining of more sanding cores to reach the needed length. The sanding cores are manufactured in Aluminum.

The end flanges are delivered with an O-Ring which ensure a quick and simple replacement of the brushes.

The sanding cores can in principle be fitted on all kind of sanding machines as long as there is a shaft and a frequency controlled motor. The system needs a frequency controlled motor to obtain the best possible result as the right speed is critical to the sanding process. Shaft diameter of end flanges - can be used on both Ø 120 mm and Ø 180 mm cores: 30 mm, 32 mm, 40 mm, 50 mm, Hexagon.

Brushes

The LiteSand brushes are supplied in four different heights; 35 mm, 45 mm, 55 mm and 70 mm.

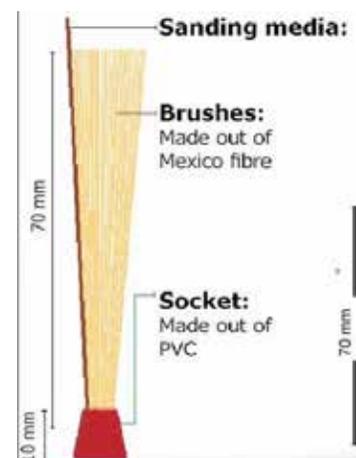
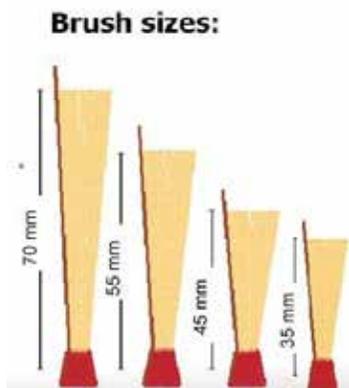
The **35 mm** brush is used for more aggressive sanding solution and when limited space is available.

The **45 mm** is a universal brush, because it can be used with advantage on flat items, which need a light sanding. The 45mm brush is able to be more aggressive by using a support brush. It is also suitable for items, which need sanding to reach into profiles.

The **55 mm and 70 mm** can be used with advantage on flat items, which need a light sanding and where deep profiles in the item has to be sanded.

Support Brush:

The 35 mm-brush is available with or without the abrasive. Without the abrasive, the brush will operate as a supporting brush. The abrasive is glued directly on the PVC socket to increase the flexibility and give a better sanding.





LITE SAND

Abrasive

As standard, LiteSand is available for use in the wood industry. The abrasive is glued directly on the PVC socket to increase the flexibility. The abrasive is available from grain 80 to grain 400.

Furthermore it is available in three different cuts:



Aluminium Oxide Grit	Silicon Carbide Grit
	80
100	100
120	120
150	150
180	180
220	220
240	240
280	280
320	320
	400

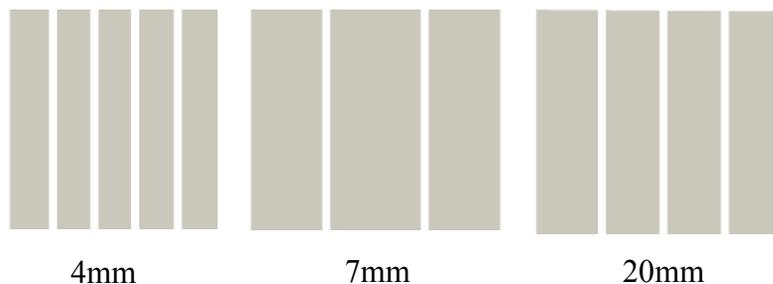
Where to use the different cuts?

4 mm is suitable for sanding rounded items and narrow profiles on flat objects.

7 mm is suitable for sanding rounded items and bigger profiles on flat objects.

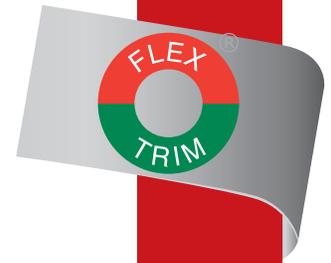
20 mm is used for “breaking” of edges on rounded items. It is also ideal on flat items with bigger profiles.

It is possible to combine the different cuts in the sanding cores depending on the job which has to be solved.

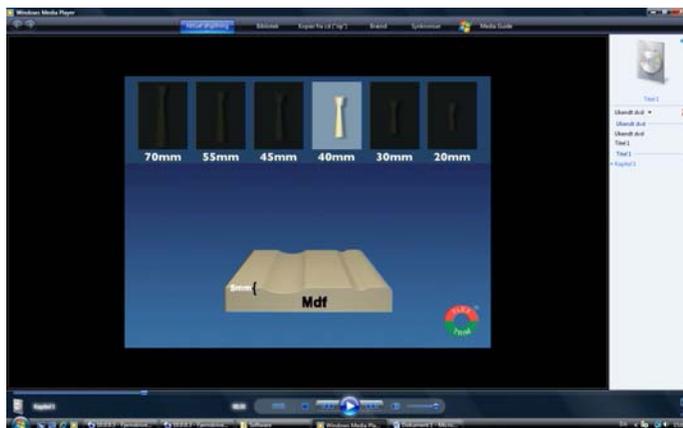


BRUSH SANDING SYSTEM

Abrasives: Trim (Height)



If you have a profile depth of 7-10mm, we suggest that you start with 45mm brush



If you have a profile depth of 4-6mm, we suggest that you start with 40mm brush

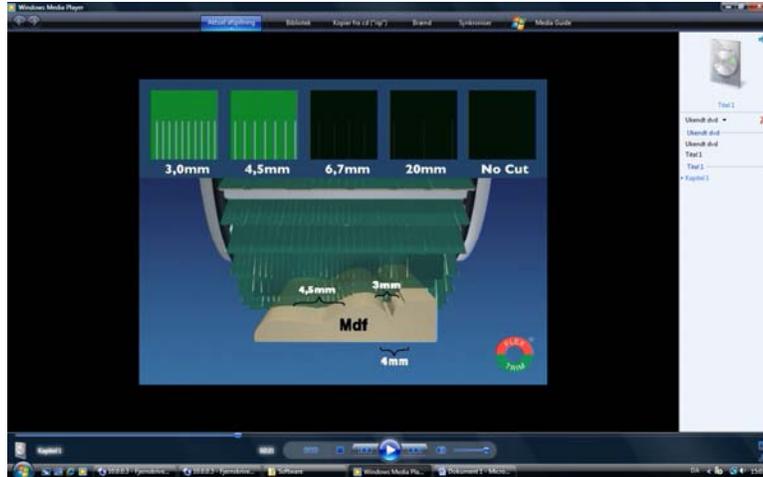


If you have a profile depth of 0-3mm, we suggest that you start with 30mm brush



BRUSH SANDING SYSTEM

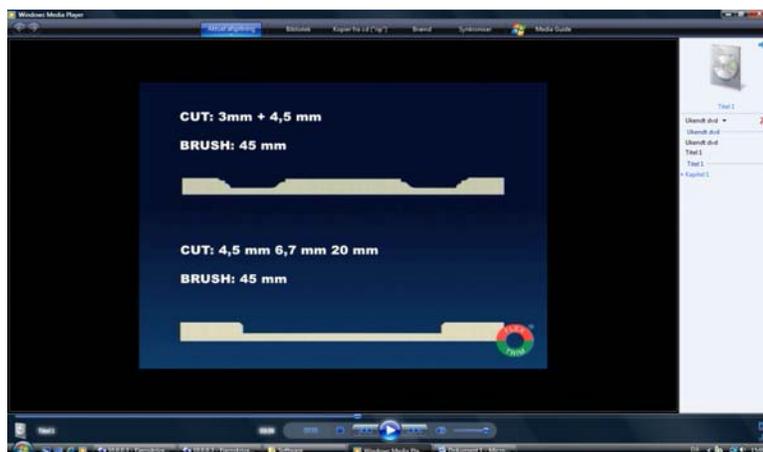
Abrasives: Cuts



Example - Small Profiles = Narrow cuts



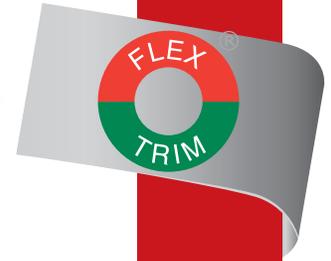
Example - Bigger Profiles = Wider cuts



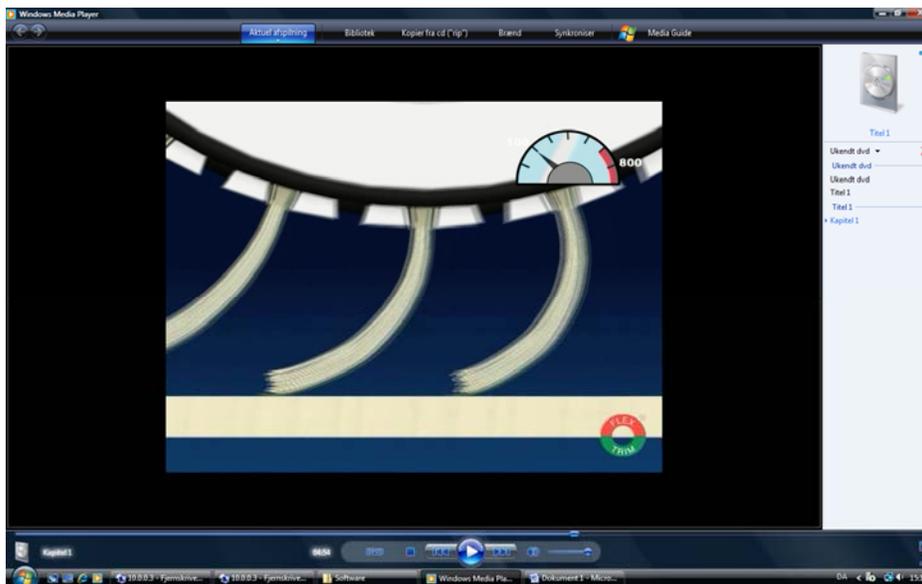
Suggestion to some common pieces

BRUSH SANDING SYSTEM

Abrasives: Sanding Pressure



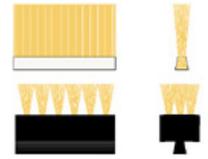
To find the right pressure you have to look at the brush (not the abrasive).
First you have to place the brush in the bottom of the profile you wish to sand.
Then add 8-12 mm more pressure. Please see the illustration below:





BRUSH SANDING SYSTEM

Support Brushes



The patented support-brushes are to be used, when you need a harder and more aggressive sanding.

The Flex Trim® support-brushes are available in two varieties (narrow and wide) and give a newly developed aggressive sanding, when sanding with brushes.

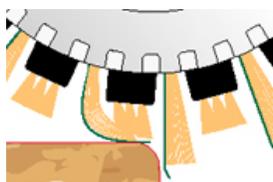
For example you get the same effect on flat items with the new wider support-brushes as you get with band sanding. With the advantage, there is no sanding through on stained items and on UV-lacquer items. Therefore with the use of the unique Flex-sanding system you will save a lot on your lacquer consumption

The support-brushes are also adaptable to the Flex Trim® system. It is quick and easy to change from a soft sanding to a harder sanding.

Support-brushes are not only used to increase the aggressiveness and hardness of the sanding. They can also be used as a back-up when doing hand sanding on different machines.

Narrow support-brushes The narrow support-brushes are suitable when a more aggressive sanding is needed on profiled items. The small support-brushes can be used on almost any item, as they are aggressive without losing their flexibility. Therefore, the small brushes are suitable on wood sanding and intermediate sanding, where a more aggressive sanding is needed.

Wider support-brushes The wide support-brushes are mainly used for flat items, but they can also be used for items with large soft profiles as they give a very even sanding. The wide support-brushes have the same effect on flat items as a band sander, but will last much longer, e.g. on U.V. lacquer.



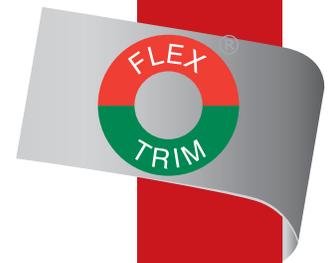
Wide



Narrow

BRUSH SANDING SYSTEM

Heads: Diameter, Length and Bore Size



The Flex-sanding hubs can be delivered in any length / diameter needed for the task/machine. There are countless ways to combine our standard heads to cover your needs in almost all cases. Special heads with a length/diameter not covered by any combinations of standard heads, can be offered for an additional fee.

One of the many advantages of the original Flex-sanding heads is that replacements of the inserted abrasives are made without dismantling the shaft and head, by the use of O-ring.

The end flanges are delivered to all hubs in either aluminum or POM with a bore size that fit your shaft (our standard bore sizes are shown on the next page. If you need a non standard bore size, it can be offered for an additional fee). With the aluminum end flanges you have the possibility of removing static electricity from the sanding heads.

Standard Head diameters and length is shown below. Using standards means the lowest price and quicker delivery. The standard length is based on **one piece** and it is possible to combine the standard lengths to get longer heads and still get the lowest price available.

	Head Diameters						
	35mm 6 Tracks	50mm 12 Tracks	80mm 20 Tracks	100mm 20 Tracks	120mm 24 Tracks	180mm 36 Tracks	280mm 54 Tracks
Standard Lengths One piece		30 mm					
		40 mm	40 mm	40 mm	40 mm	40 mm	
		50 mm	50 mm				
			60 mm	60 mm	60 mm	60 mm	
			80 mm	80 mm	80 mm		
			100 mm	100 mm	100 mm	100 mm	
				120 mm	120 mm	120 mm	
			140 mm	140 mm	140 mm	140 mm	140 mm
			200 mm	200 mm	200 mm	200 mm	
							245 mm
			250 mm	250 mm	250 mm	250 mm	
						300 mm	
					330 mm		
					365 mm	365 mm	





BRUSH SANDING SYSTEM

Heads: Diameter, Length and Bore Size

Ordinary sanding heads		Standard bore sizes mm									
Standard sizes diameter	Standard lengths	Bored						Sleeve			
		Ø15	Ø30	Ø32	Ø40	Ø50	HEX	Ø25	Ø25,4	Ø31,75	
Ø35 mm	50 mm										
Ø50 mm	30 mm										
	40 mm										
	50 mm										
	60 mm										
Ø80 mm	40 mm										
	60 mm										
	80 mm										
	100 mm										
	140 mm										
	200 mm										
Ø100 mm	40 mm										
	60 mm										
	80 mm										
	100 mm										
	140 mm										
	200 mm										
Ø120 mm	40 mm										
	60 mm										
	80 mm										
	100 mm										
	120 mm										
	140 mm										
Ø180 mm	200 mm										
	250 mm										
	300 mm										
	330 mm										
	365 mm										
	Ø280 mm	140 mm									
		245 mm									
		365 mm									
	Disc sanders		Standard bore sizes mm								
	Standard sizes diameter	Standard lengths	Bored				Sleeve				
Ø20			Ø40			Ø25	Ø25,4	Ø30	Ø31,75		
Ø125 mm	40 mm										
Ø150 mm	50 mm										
Ø180 mm	60 mm										
Special sanding heads		Standard bore sizes mm									
Standard sizes diameter	Standard lengths	Bored					Sleeve				
		Ø30	Ø40				Ø25	Ø25,4	Ø31,75		
50-90 mm	30 mm										
80-125 mm	30 mm										
120-167 mm	30 mm										
180-210 mm	30 mm										

■ = Standard items, prices according to pricelist

Additional price for extra services (boring etc.):

EUR 270,-
USD 370,-
DKK 2000,-

Min. Bore size: 12mm
(non standard)

BRUSH SANDING SYSTEM

Heads: The Right Speed (RPM)



With the Flex Trim® sanding system we always try to use the lowest possible RPM to reach the result. The lower RPM you use - the longer lifetime you will get on the abrasives. Furthermore you will allow the abrasives to work better and to get better into the profiles.

Guidelines to find the right RPM

Hubs Core Diameter

	<u>RPM</u>
280 mm	50-280
180 mm	250-400
120 mm	450-700
100 mm	600-900
80 mm	700-900
50 mm	1200-1500
35 mm	1200-1500



Disc Sander Diameter

	<u>RPM</u>
180 mm	100-500
150 mm	250-700
125 mm	400-800



Profile Head Diameter

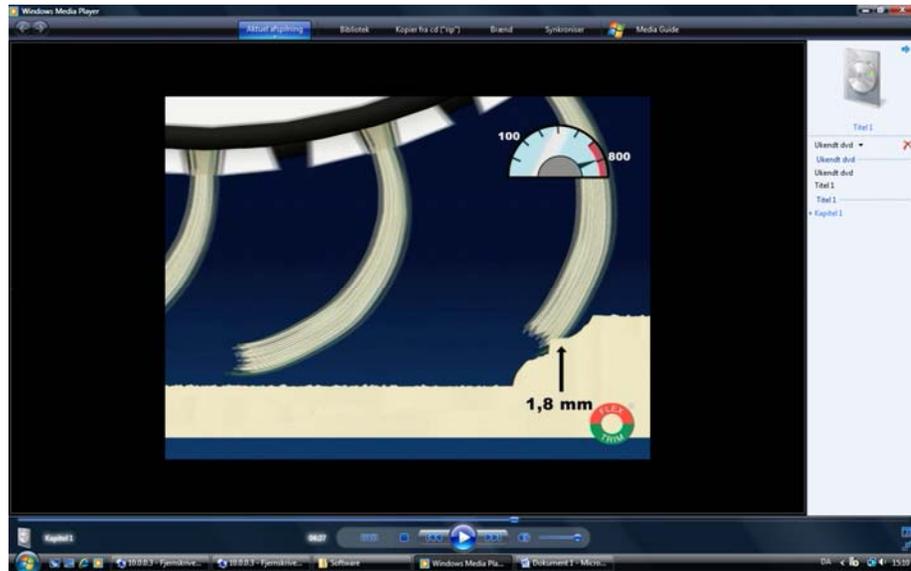
	<u>RPM</u>
50- 90mm	700-900
80-125mm	600-900
120-175mm	300-700
180-210mm	200-500



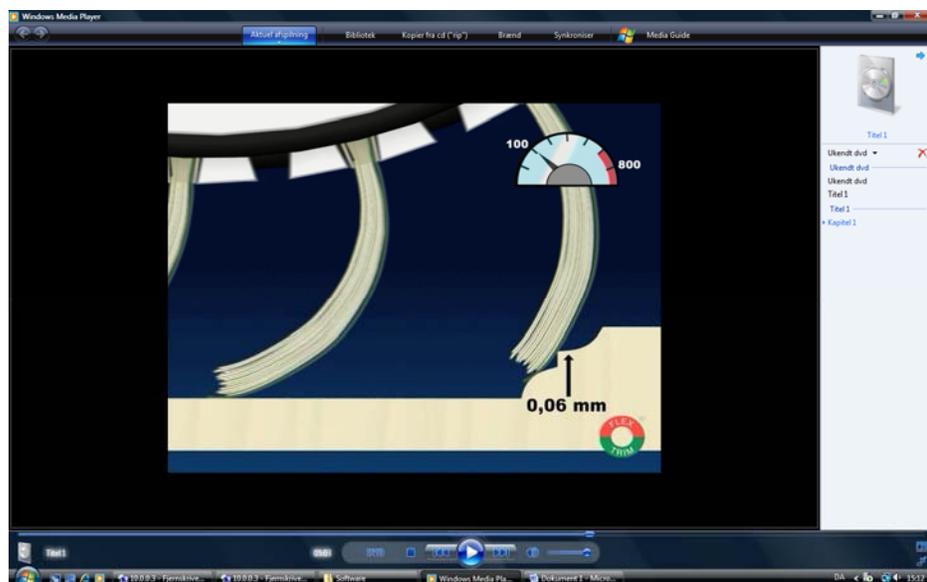


BRUSH SANDING SYSTEM

Heads: The Right Speed (RPM)



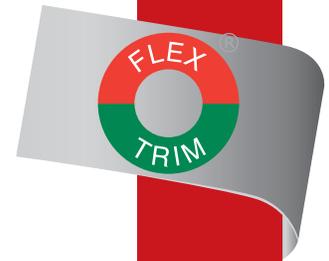
Too high speed = not enough sanding – too much rounding of corners – low lifetime on abrasives.



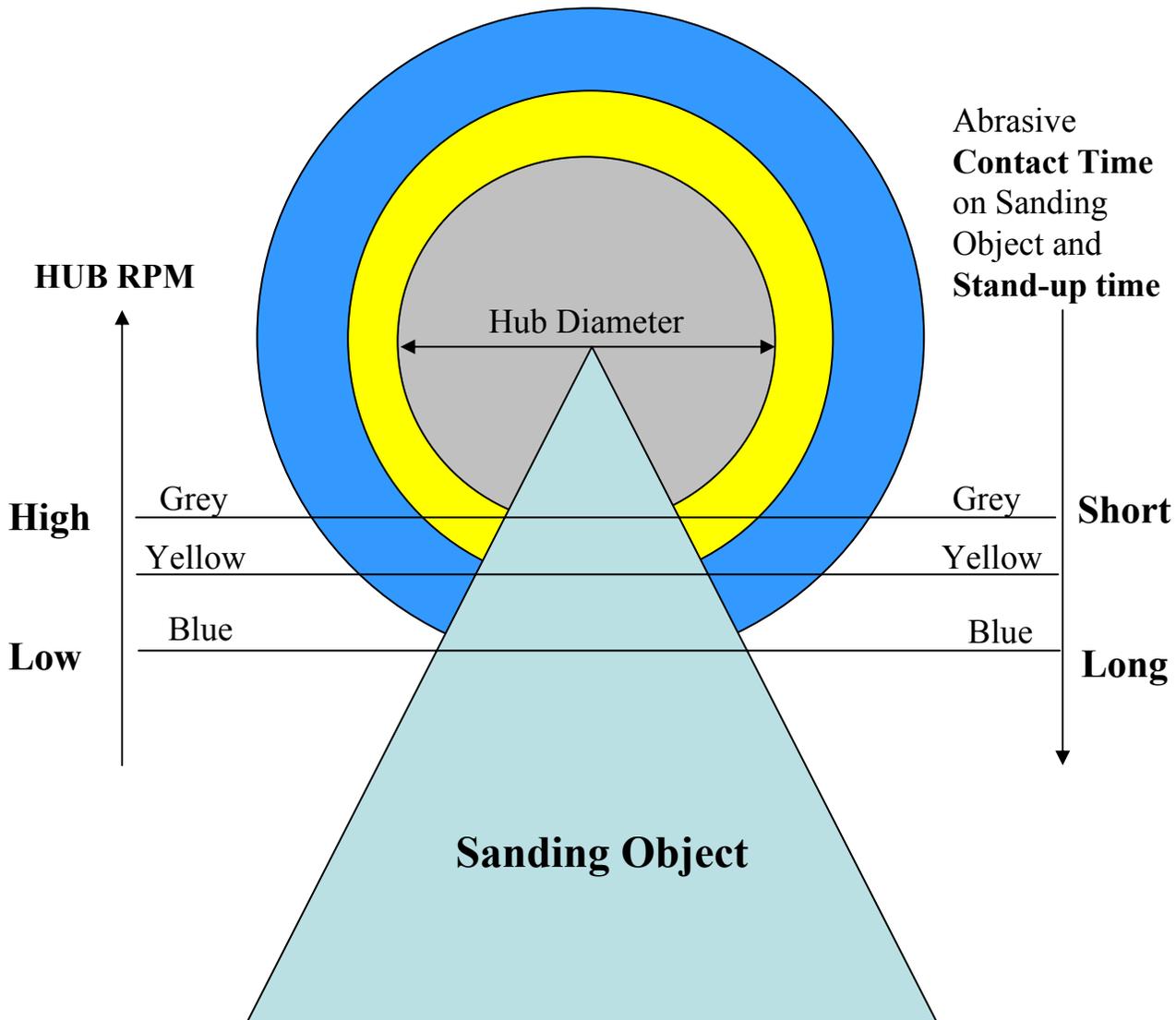
Low speed = better sanding in profiles – better edge-break – long lifetime on abrasives.

BRUSH SANDING SYSTEM

Heads: Diameter and RPM



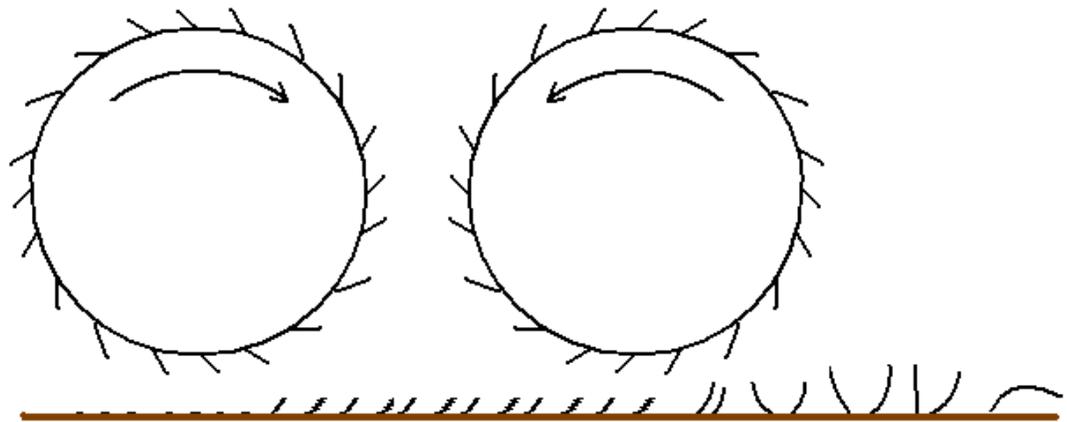
In order to obtain the best possible results, always try to work with the **largest possible head and the lowest possible RPM.**





BRUSH SANDING SYSTEM

Heads: The number of heads



second pass in opposite rotation cuts the standing fibers down for smooth finish

first pass cuts some fibers and brushes them all in the same direction

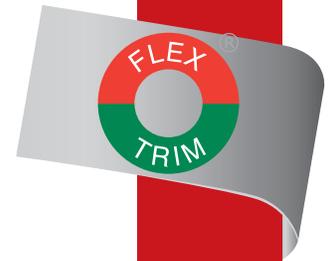
random raised fibers from milling operation

For profile sanding it is best to have at least 2 sanding heads working on the material in the same spot.

Just having one head on top will only do 1/2 the job. Each head rotates opposite the other. The first head puts all the wood fiber in the same direction and the 2nd head cuts them off.

BRUSH SANDING SYSTEM

Heads: Feed Speed vs number of heads



0-65ft/min

- Two heads
- One with and one against the fibers.

65-130ft/min

- Two or three heads
- Depending on the quality, you want to achieve.
- All with the fibers.

130-290ft/min

- Three or four heads.
- Three with and one against the fibers

In addition to the number of heads, the head RPM (depending on the diameter of the head) must be in the range shown on page 8



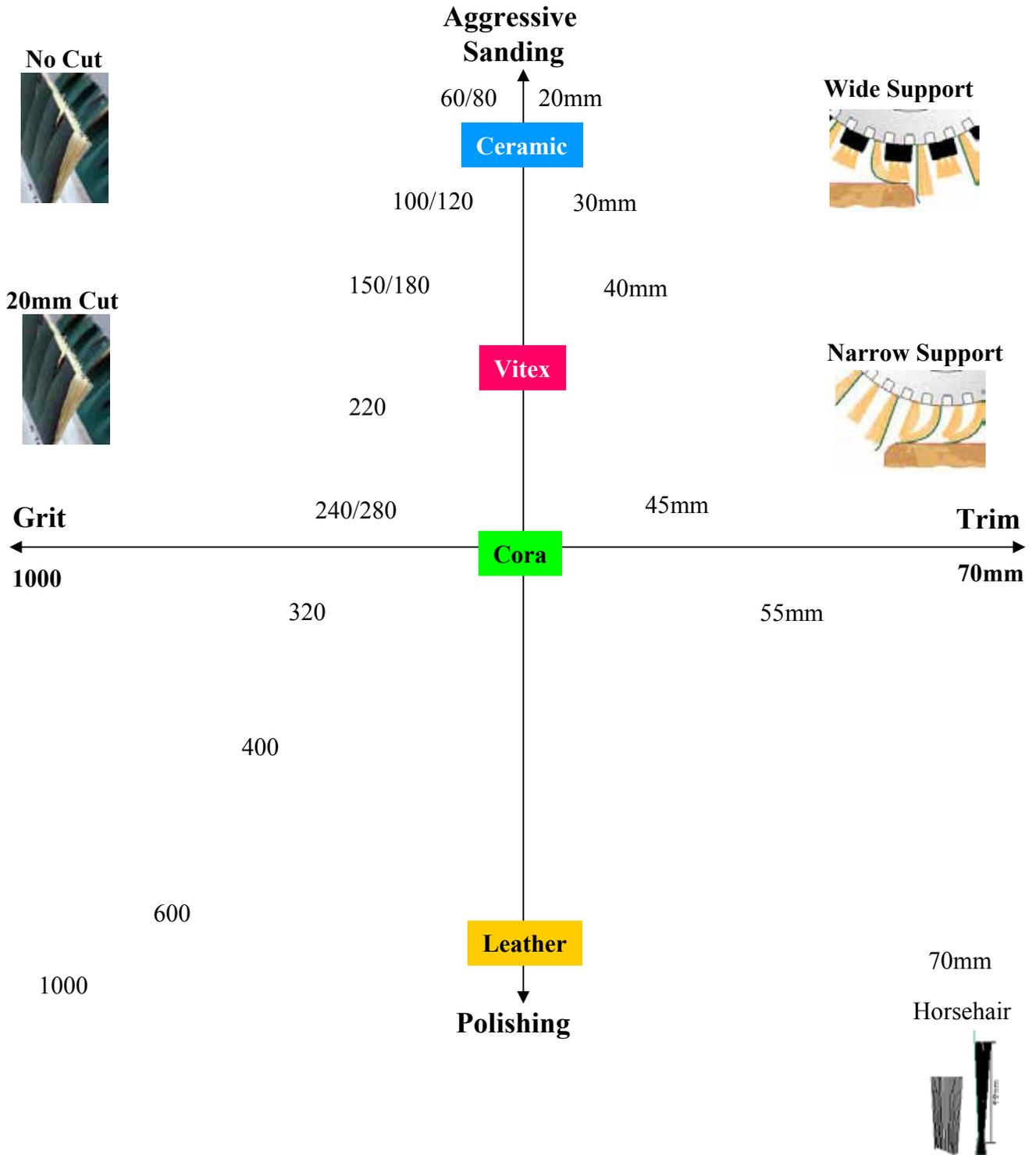
Example

<u>Hubs Core Diameter</u>	<u>RPM</u>
280 mm	50-280
180 mm	250-400
120 mm	450-700
100 mm	600-900
80 mm	700-900
50 mm	1200-1500
35 mm	1200-1500



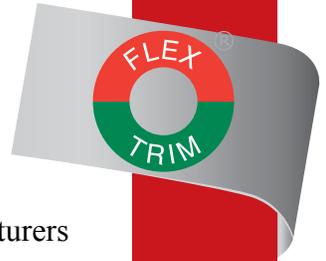
BRUSH SANDING SYSTEM

Sanding Quadrant



BRUSH SANDING SYSTEM

Raised Panel Profile Sanding



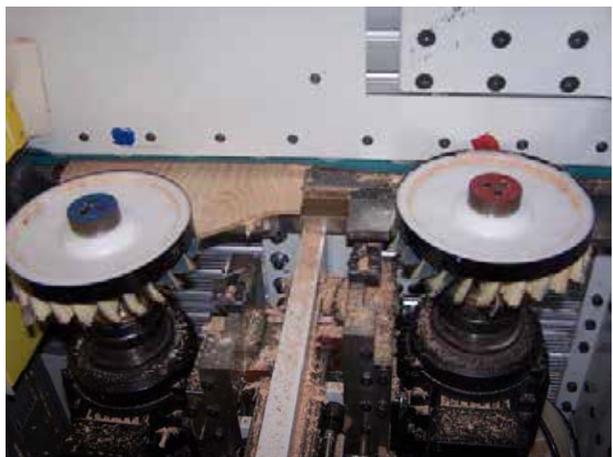
The Flex Trim® sanding system is recommended by most major sanding machine manufacturers for use in their equipment.

Our new patented modular Disc Sanding technology for shape and sander machines replaces those old “Pre-formed” and “non-woven” type sanding heads, reducing adjustment and changeover time while improving sanding quality at much lower RPM’s with increased running time.

No need to change heads when changing profiles either, as this flexible system will conform to many different shapes without adjustment.

Disc Sander (Cup Heads) being offered in following sizes:

<u>Disc Sander Model #</u>	<u>Disc Sander Diameter</u>	<u># of Slots</u>	<u>Slot Length</u>
C/0125/40/012	125mm	12	40mm
C/0150/50/018	150mm	18	50mm
C/0180/60/024	180mm	18	60mm

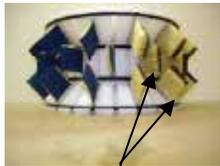




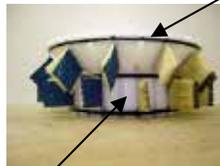
BRUSH SANDING SYSTEM

Outer Edge Profile Sanding

Flex Trim® offers four different heads for Profile Sanding. The heads can be combined depending on the profile to be sanded. The Profile Sander can be complemented with an Edge Sander either mounted below the Profile Sander or sitting on its own spindle.



Abrasive Length



Profile Sander
Model #

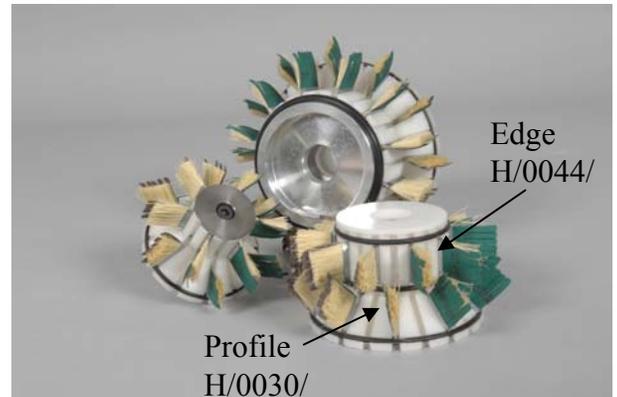
H/0030/180-210/036
H/0030/120-175/024
H/0030/080-125/020
H/0030/050-090/012

Top Diam.	Bottom Diam.	Segm Length	# of Segm.
210mm	180mm	30mm	36
175mm	120mm	30mm	24
125mm	80mm	30mm	20
90mm	50mm	30mm	12

Edge Sander:

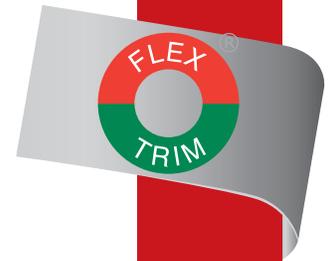
Same diameter as the bottom diameter of the Profile Sander. Comes in two lengths:

- 30mm with a segment (abrasive) length of 30mm
- 64mm with a segment (abrasive) length of 50mm



BRUSH SANDING SYSTEM

Customer Testimony



B & B Door Co, Inc

With the Flex Trim® system we are able to only use **2 sets of counter rotating heads to sand 7 different profiles.**

The Cup brush (Disc Sander) sands 2 different raised panel profiles and the combination head (Profile and Edge Sanding Heads) sands 5 different outer edge profiles. My operator loves them because it cuts his changeover time to almost nothing. Also you don't have to be nearly as particular with settings.

We are getting **3 times the life** out of Flex Trim® sand paper compared to our previous system. This amounts to about **500 -700 \$ a month in savings.**

Mike Beussink

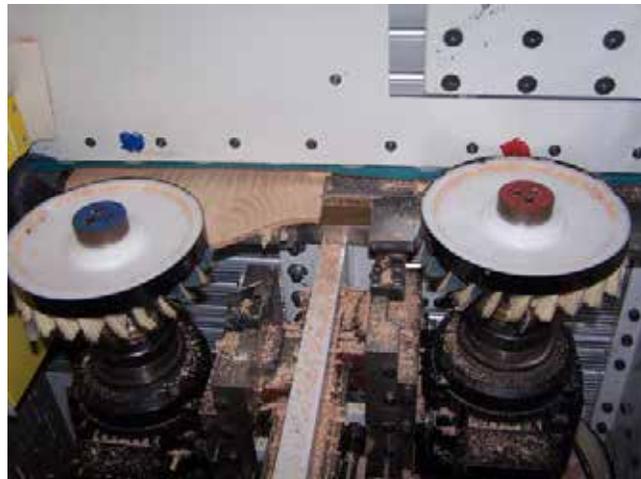
B&B Door Co



Combination Head



Disc Sander





BRUSH SANDING SYSTEM

Outer Edge Profile Sanding

**Sanding of vertical edges
directly on the lacquer line
- Big savings potential**

One of the very expensive operations in a production is to take pieces off the line to treat the edges – just to put them back on the line.

With the new solution Flex Trim will in some cases be able to avoid this. We can sand the vertical edges in the lacquering line. It has taken a long time to find the solution, but now we are ready.

Modexa AB - Kitchen Makeover - Sweden

In many years the Swedish company Modexa has been struggling with a lot of edge sanding, so some years ago they called us to see if we had a solution. They bought a FlexSander 100-100 for the woodsanding and after sending their pieces through their Fladder Gyro, the surface was fine, but they still had to take off the pieces to do some manual work in the following process. They contacted Flex Trim A/S with this problem a long time ago, but we did not have a solution. Still, we did not forget about their problem and we realized how expensive this process is in many companies – so we started developing.

In December last year we presented our idea and they accepted. The result! Today they have no manual work on their edges. The parts stay on the line from the start to the end.

Hanstholm Kitchen – Denmark

The Danish kitchen manufacturer Hanstholm Kitchen bought a UniSander many years ago, and they have actually always been very happy with the machine. Lately they have started with new designs and new models, which gave them some problems. They could not sand enough in the profiles, so they had to use an awful lot of time on manual handsanding.

We introduced the new cores for them, and agreed to install them in their UniSander. The result! Today they have minimized the handsanding with more than 30%, and the remaining handsanding is done much, much faster. Hanstholm Kitchen will always have some handsanding due to the complexity of their program.

TMK (TVIS Kitchens) - Denmark

Also at TMK they had difficulties in reaching the quality they wished on their kitchen fronts. Even though they are having more brushesanders in the line, the sanding did not come out as smooth as they would like it to be. In other words, the sanding was not aggressive enough. They visited Flex Trim A/S, and we made a test together in our showroom. The result was good. They decided to equip their Fladder sander with the new inclined brushes, and today they are using this machine for sanding the raw pieces but also for lacquer sanding. The result! Now TMK are getting the quality they were looking for even with a finer grit.

SUBJECT:

Inclined grooves

modexa
kitchen makeover®



Photos from Modexa with the new inclined grooves mounted in a Fladder Gyro



Inclined brushes in the UniSander at TMK

TMK
KØKKEN, BAD & GARDEROBE



The Fladder at TMK

FLEX SANDER 50

The Flex Trim® solution to eccentric spindle sanding is the FlexSander 50. This is ideal for manual sanding of flange items and profile and edge sanding of 5-10mm. radii.

The machine has a pneumatic drive and is supplied with a valve for regulating working speed.

Even though the machine appears heavy, operator overload is minimal. It is very easy to use, and being completely vibration free, the operator has no problems with aching arms, shoulders and wrists.

Please take a look at www.flex-trim.com if you would like to know more about this model.



Ø180mm

Technical specifications	
Motor	1 stk. 0,33kW
Sanding speed	250 - 2000rpm.
Air supply	9 bar
Dust extraction	1 x Ø50mm.port



Ø125mm

Technical specifications	
Motor	1 x 0,33kW
Sanding speed	250 - 2000rpm
Air supply	6.3 bar
Dust extraction	1 x Ø50mm.port



Ø100mm

Technical specifications	
Motor	1 x 0,33kW
Sanding speed	250 - 2000rpm
Air supply	9 bar
Dust extraction	1 x Ø40mm.port

STACK SANDER

The Stack sander is an effective edge sanding solution for stacked material.

With a weight of only 14kg., combined with suspension from a weight-regulated hoist, this machine provides the ideal man-machine unit, which protects the operator from overload injuries.

Selectable clockwise/anticlockwise operation maintains sharp corners and edges, as required.

Please take a look at www.flex-trim.com if you would like to know more about this model.



Dust extraction is in-built in the pipe system.



The sander is constructed as a two-hand machine where the controls are conveniently placed in between the handles. This makes it easy to regulate sanding direction, start/stop and emergency stop.



All electronics required by the Stack sander are contained in a wall-mounted box. For easy regulation of the sanding speed, the control button is placed on the outside of the box.



The machine itself is suspended from a weight-regulated hoist 10-14kg. The self-regulating hoist ensures minimal load for the operator.

Technical specifications:

Motor	1 x 0,55kW
Height reg. motor	1 x 120w, 24v.
Sanding roller speed	150 - 850rpm.
Electrical supply	110 - 230v 50/60Hz - 13A.
Dust extraction	1 x Ø80mm.port
Colour	RAL 9002
Air supply	1 bar



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220 PROFILE SANDER SERIES

TECHNICAL SPECIFICATIONS:

The 220 Series Profile Sander is a two spindle machine designed for use with flexible brush type sanding wheels. The spindles are counter-rotating, allowing corners to be sanded without rounding over, and to sand in two directions and/or different grits. There are two height settings, allowing it to be used for both edge and panel sanding. In the raised position, the table moves toward the spindles, under the panel sanding wheels, providing support for small panels.



SPINDLES LOWERED, TABLE FORWARD FOR EDGE SANDING



SPINDLES RAISED, TABLE BACK FOR SANDING RAISED PANELS



THE 220 SERIES features two counter-rotating spindles to be used with brush type sanding wheels. This allows parts to be sanded without noticeable rounding over on corners. The sanding technique is to sand the left corners on the right sander and the right corners on the left sander. This method has the brushes formed to the profile as they exit over the corners.

The spindles move up or down together and are controlled by an air valve. Adjustable stops are used for positioning. In addition to the vertical spindle travel, the tabletop also moves back 2" when the spindles are raised. This provides support under the lower sanding head when sanding raised panels.

Exclusive to Flex Trim USA. Proudly made in the USA in partnership with Larick Machinery.

MACHINE SPECIFICATIONS:

- Motors: (2) 1 HP 6 pole 3ph
- Voltage:

 - **Model 221:** 120 or 208-240V 1ph 50-60hz
 - **Model 222:** 208-240V 1 or 3ph 50-60hz
 - **Model 224:** 400-480V 3ph 50-60hz

- Variable speed: AC Inverter, 100-1200 rpm
- Arbor: 1" Dia. By 6" Tall
- Vertical Travel: 6"
- Table Travel: 2"
- Table Height: 36"
- Table Size: 60" X 24"
- Air Pressure Required: 80psi min
- Dust Collection: 4" round, 400cfm"



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sales@flextrimusa.com



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240 PROFILE SANDER SERIES

TECHNICAL SPECIFICATIONS:

The 240 Series Profile Sander is a two spindle machine designed for use with flexible brush type sanding wheels. The motors tilt from vertical through horizontal positions.

In the horizontal position, it can be placed at the outfeed end of a moulder to sand parts as they are exiting the machine, above a conveyor to sand mouldings or other long parts, over a table, or used to sand free-hand.

In the vertical position, parts can be sanded free-hand, or a table may be placed in front of the machine, allowing parts such as cabinet doors and fronts, plaques, or other parts with edge profiles to be sanded.

The spindles are counter-rotating, allowing corners to be sanded without rounding over, to sand in two directions, or use different grits. Motors are controlled by inverters giving variable speed.



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240 PROFILE SANDER SERIES



SPINDLES HORIZONTAL



SPINDLES VERTICAL

THE 240 SERIES features two counter-rotating spindles to be used with brush type sanding wheels. This type sanding wheel conforms to a profile as the parts are pressed into the sanding wheel.

The 240 has 18 inches of vertical adjustment, which allows the brushes to be placed above or below parts exiting machines, being transported on conveyors, or fed across tables.

Dual inverters allow the motors to run in sensorless vector mode, giving excellent speed regulation. The inverters and disconnect switch pivot and / or slide up and down on the mount. The mount can also be moved from one side to the other to provide clearance for various setups.

The tilt ranges from vertical through horizontal.

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MACHINE SPECIFICATIONS:

- Motors: (2) 1 HP 6 pole 3ph
- Voltage:
- **Model 241:** 120 or 208-240V 1ph 50-60hz
- **Model 242:** 208-240V 1 or 3ph 50-60hz
- **Model 244:** 400-480V 3ph 50-60hz
- Variable speed: AC Inverter, 100-1200 rpm
- Arbor: 1" Dia. By 6" Tall
- Vertical Travel: 18"
- Spindle Height (vert): 31"-49"
- Spindle Height (horiz): 30"-48"
- Footprint: 37.5" wide, 32" deep
- Dust Collection: 4" round, 400cfm



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260 PROFILE SANDER SERIES



TECHNICAL SPECIFICATIONS:

The 260 Series Profile Sander is a horizontal spindle machine designed for use with flexible brush type sanding wheels. The base machine has 40mm diameter spindles extending 175mm on both sides. 50mm diameter extensions can be added to either or both sides. In addition, the spindle height can be easily adjusted. Variable spindle speed is inverter controlled



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260 PROFILE SANDER SERIES



SPINDLE LOWERED



SPINDLE RAISED

THE 260 SERIES

The spindle's rotation can be changed to allow sanding to be performed on top or bottom of the brushes.

The bases can be moved side to side to provide clearance for the operator.

The inverter keypad provides Start/Stop, Speed, and rotation direction control.

Different sanding strips can be used on long spindles to vary sanding by changing brush lengths, grits, and abrasive types. Double sided strips can also be used to do whitewood sanding in one direction, and sealer sanding by reversing the rotation.

Spindle height is easily adjusted.

Exclusive to Flex Trim USA. Proudly made in the USA in partnership with Larick Machinery.

MACHINE SPECIFICATIONS:

● Motors:	(2) 1 HP 6 pole 3ph
● Voltage:	
● Model 261:	120 or 208-240V 1ph 50-60hz
● Model 262:	208-240V 1 or 3ph 50-60hz
● Model 264:	400-480V 3ph 50-60hz
● Variable speed:	AC Inverter, 100-800 rpm
● Spindle:	40mm Dia. By175mm Long
● Spindle Extensions:	50mm OD, 600mm Maximum Length
● Spindle Height:	34 to 49 inches
● Footprint:	60 by 27.5 inches



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700 PROFILE SANDER SERIES

“the best sander series for wood, metal and composite”

DISTRESSING
POLISHING
DENIBBING
SEALER SANDING



WOOD
METAL
PLASTIC

Model 722

2 top heads
9 inch conveyor

THE 700 SERIES FEED THROUGH SANDER

TECHNICAL SPECIFICATIONS:

2, 3, or 4 top heads. Optional side sanding heads can be added. Standard sanding width is 9 inches, 15 inches is optional. Brush type sanding wheels, wire brushes, or inflatable drums can be used. Compact design minimizes floor space requirements.



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700 PROFILE SANDER SERIES



Model 732
3 top heads, 9 inch conveyor



Model 732S
3 top heads, 9 inch conveyor, side heads



9 inch conveyor and hold down roller

THE 700 SERIES

The standard machine includes 2 hubs (250mm length, 180mm diameter) and 36 strips to fill.

OPTIONS (with additional fee): structuring brushes

DELIVERY TIME: 6-8 weeks

Exclusive to Flex Trim USA. Proudly made in the USA in partnership with Larick Machinery.

MACHINE SPECIFICATIONS:

- Feed rate: 4 to 40 FPM
- Spindles: 1" Dia by 10" long
- Spindle RPM: 150 to 600 RPM (TOP)
150 to 900 RPM (SIDES)
- Voltage: 208-240 1 or 3 phase
460 3 phase / 575 3 phase
- Length: 47 inch (2 Top Heads)
add 17" per additional top head
add 26" for side heads
- Width: 33 inches with 9 inch conveyor
39 inches with 15 inch conveyor



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TERMS & CONDITIONS OF SALE

Manufacturing

Prices and terms are subject to changes without notice. However, we do our best to notify customers in advance of any changes that may occur. All orders placed after the effective date will be invoiced at the new prices unless otherwise indicated by Flex Trim.

Orders with future release dates will be invoiced at the prices effective on the day of the shipment unless otherwise indicated by us. Flex Trim USA does not protect the value of inventories or the value of goods in transit. All extensions from computer generated invoices have been calculated using two decimals and are in US dollars.

Freight and Minimum Order Policy

- Expedited shipping will be prepaid and added to invoice
- Minimum Order of \$50.00 for the first order.
- No minimum order other than standard package quantities for following orders.

Shipping

- Same day complete shipping on all orders received **Mon-Fri before 1 pm EST** (unless otherwise noted).

Payment Terms

- Net 30 days from date of invoice with approved credit paid in US dollars.
- Flex Trim USA reserves the right, in addition to any other available remedy, to impose a late payment charge of 2% per month on any past-due unpaid balance (24% yearly as indicated on our invoices.)

Return Goods Policy

- Return of products without prior authorization is strictly prohibited. And will be shipped back at customers own charge.
- All returns require a return authorization number.
- Returns for other than defective product by Flex Trim USA will be considered under the following conditions.
 - Items must have been a standard stock item at the time of original invoice,
 - Items cannot be more than 3 months old from the invoice date,
 - All goods must be in the original package and in a saleable condition,
 - Returned product is subject to a 15% restocking fee,
 - Non-stock and custom items are not eligible for return or credit.

Cancellation Policy

- Cancellation of orders for standard stock items will be allowed without charge provided the order has not shipped.
- Cancellation of non-stock custom orders will be allowed without charge provided the order has not begun the manufacturing process.
- Orders which have been processed will be shipped and invoiced at the full value.

Claims Policy

- All claims related to missing or damaged goods have to be reported as quickly as possible to be processed in time
- Goods have to be verified and marked as damaged before they are unloaded at customer's location.
- All claims for shortage or damaged must be made in writing to Flex-Trim USA within 10 days of invoice.



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CALL US AT: 1-855-437-3390

Order desk opened: Monday-Friday, 8 a.m. to 5 p.m. (Est)

sales@flextrimusa.com

fax: 1-855-437-3391

FLEX Sanding Strips • FLEX Brushes
FLEX Machines for Wood, Metal & Composite



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