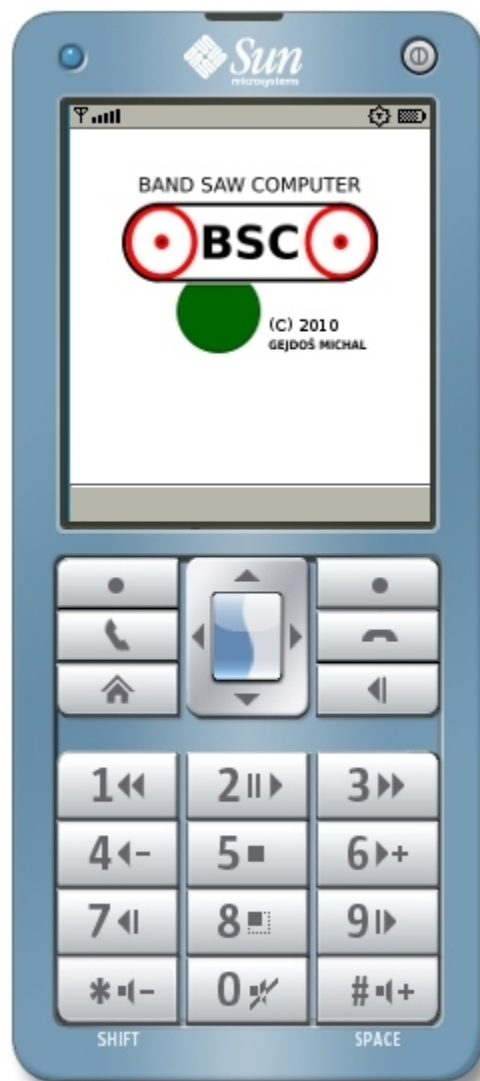# BSC

Band Saw Computer

Calculate and Count the Cut position on Cell Phone for Saw Mills with manual Scale setup

About

BSC - Band Saw Computer is j2me *(Java Micro Edition)* midlet software for mobile Cell Phones for counting and calculating cut position for Band Saw Mills with manual Scale setup. It is similar like **Accuset**, but with manual blade position setup. What you need is this java application and **Cell Phone with java support**, which is currently 99%. In this software is included also more utilities for cut sawing. This program is in limited version. For full functionality you mus purchase and buy it and then you obtain the serial number for unlock it. This program is property of Michal GEJDOŠ and all reproduction without consent is ilegal. This manual is written for version BSC 1.0.

Is recommended install this software to phone memory, not to the memory card, where is program slowly.

Program Features

Global:

- Consideration with roughness
- Metric and Anglo-American measurement system
- Free or center log position

Calc Utilities:

- Log Diameter for know Square with roughness
- Max Square from know Log diameter with four cut position result
- Center Heart position
- Width for boards from outer slabs

Cut Counter for Mill Scale:

- Count down from blade position
- Count up from blade position (Cutting is from up)
- Pattern mode - count from bed position to up
- Programming slab thickness for every program for 16 entries

Options:

- - Choose between Metric or Anglo-American units
- - Accuracy 1 mm, 1/16 inch, 1/32 inch
- - Setting bottom board thickness
- - Setting kerf thickness
- - Four programs for Down, Up and Pattern in 16 steps

Try the Software for free
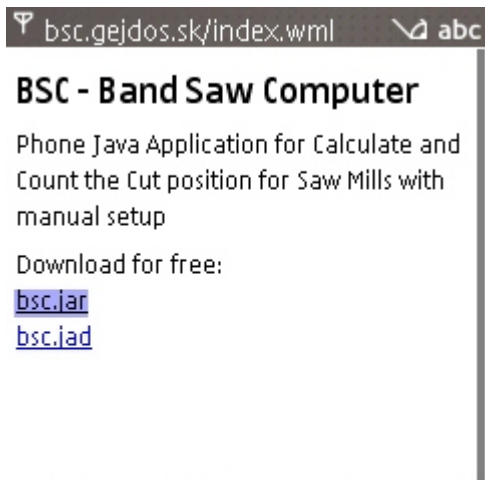
You may download limited version direct from your Cell Phone. In WAP/Internet browser in Phone enter this link: *wap.gejdos.sk* . A first download bsc.jar file. If installation failed, download bsc.jar file. If is installation successful then try the program. Is **high recommended** installing this software to phone memory, **not to the memory card**, where is program very slowly. If you have problem with downloading from phone, please check WAP/Internet settings or contact your provider. You can also ask a friend for help :-). If your device is able receive the **bsc.jar** file from PC (via Bluetooth or Cable) you can also download a first the file to PC from website *bsc.gejdos.sk* in section Download and then send to Cell Phone.
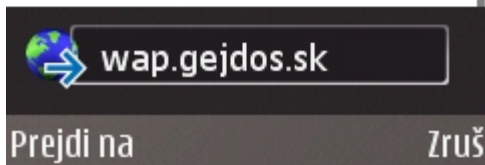
When you satisfied with this this software, then when buying it, you obtain in email the **Serial Number which is necessary for unlocking this software for Full functionality**.

A first you mus install this java (bsc.jar) software to phone and in Section/About is Register form. Obtaining code you fill in this form field. Serial Number you obtain after you buy and pay for this software.

Program Functions in Screenshots

Main Menu

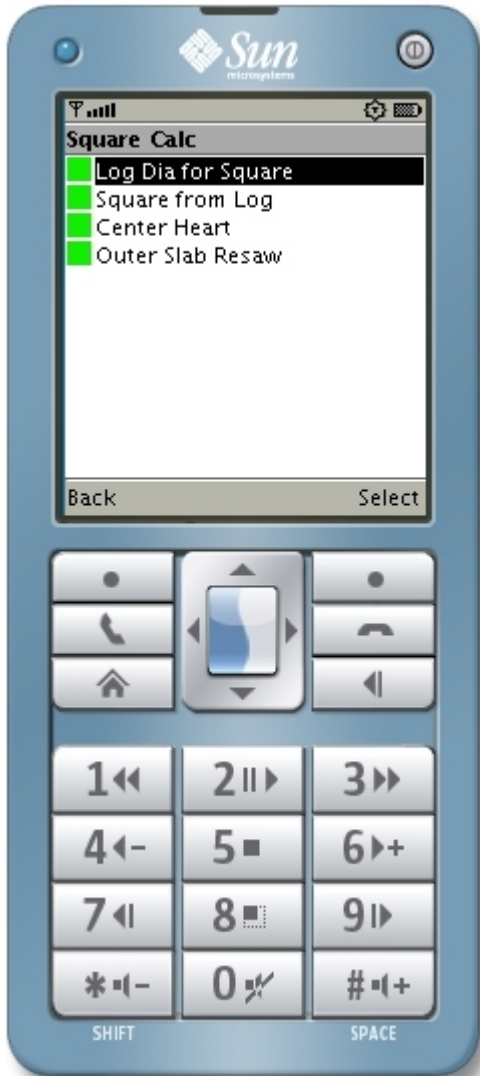Main Menu is the top level menu. Contains this choices:

Square Calc – Utilities and Square cutting
Cut Counter - Cut counter and calculator
Options - Saw and Programs setup
About - Information and registering
Exit - Exit from program

Square Calc

Square Calculator is set of utilities.

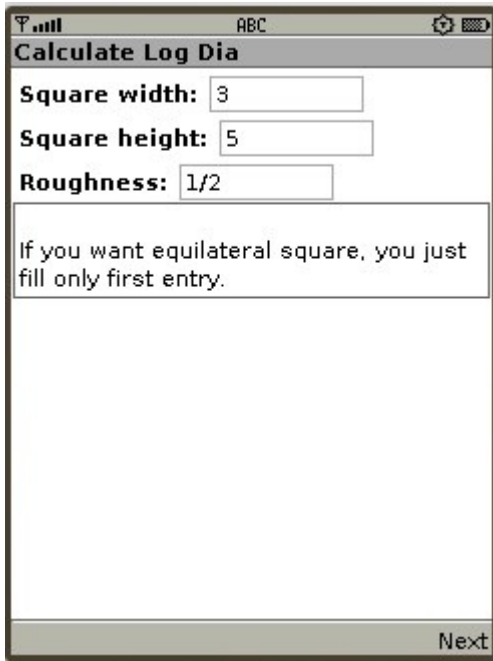**Log Dia for Square** - Calculate minimum log diameter for know square.

Square from Log - Calculate maximum square from know log diameter and cut positions with supporting.

Center Heart - Calculate how many log support and cut position for cutting center heart.

Outer Slab Resaw - Evaluate outer slab. You here calculate maximum width for new board.

Log Dia for Square

Enter width and height the final squared log. Result will be minimum log diameter on the small end. If you want equilateral square, you can just fill only first entry.
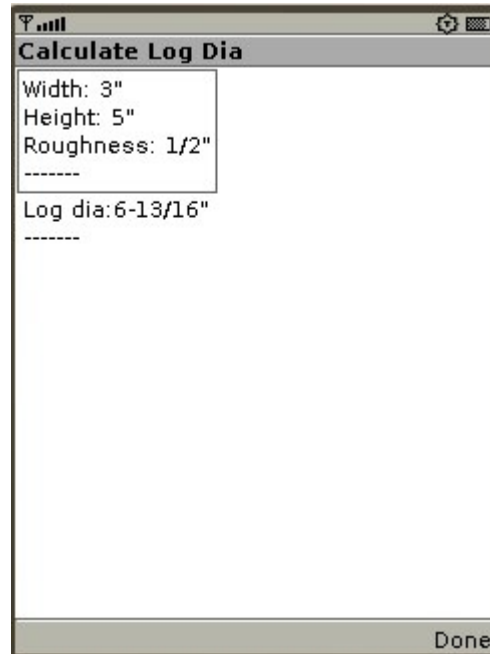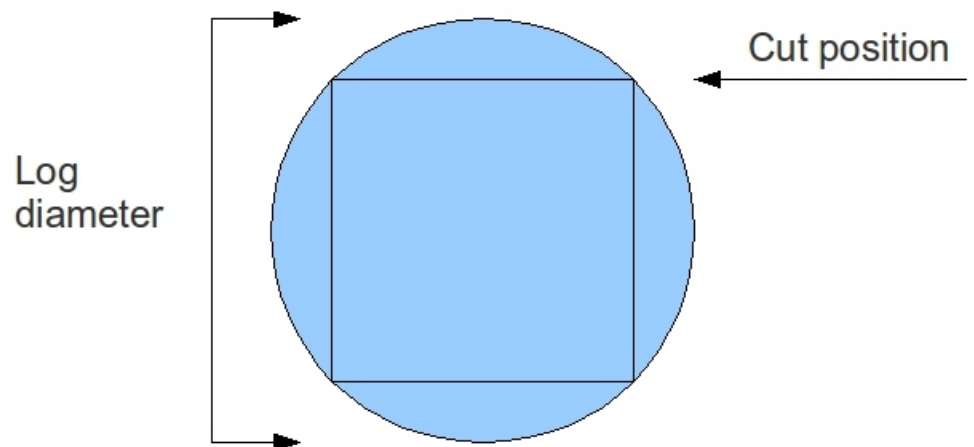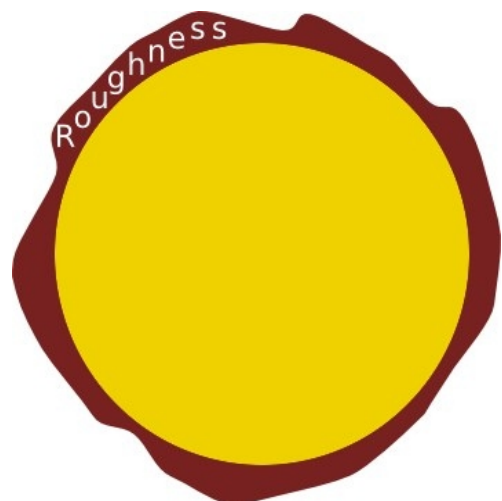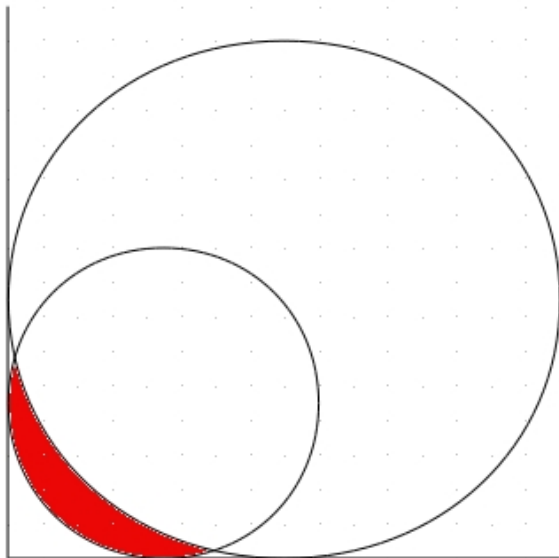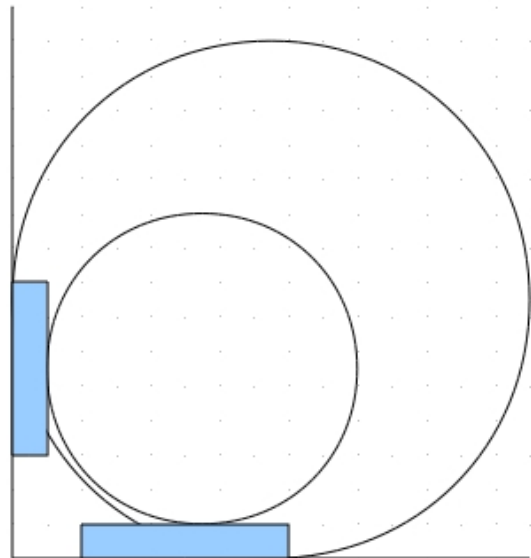

Square from log

Enter know log diameters on booth sides and

eventually one side from required square. Is calculating with roughness and **suporting on first two cuts**. When you sawing square from log, we mus support the small end! You choose too between **Free log support** or **Center log support.** Why support? Look in to the picture bellow:

Small end unsupported

Small end supported

Calculate max Square

Log dia 1: 10

Log dia 2: 12-1/2

One side/wide:
(optional) 5

Roughness: 1/2

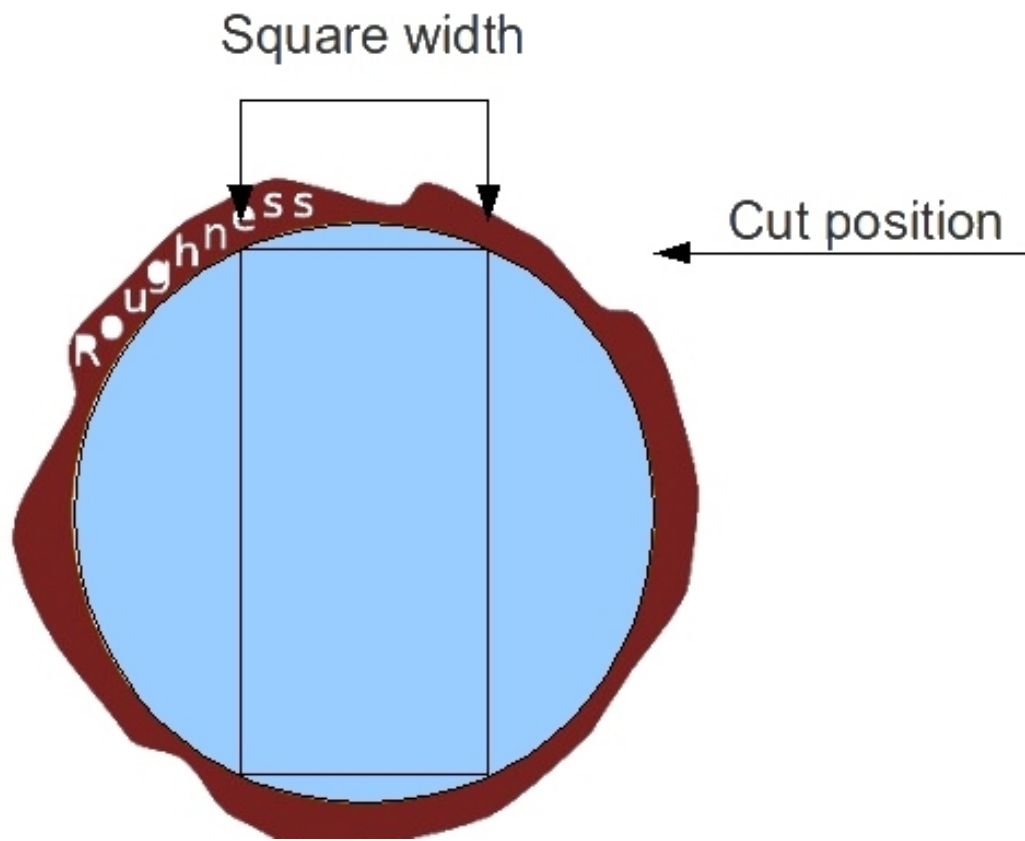Log position
◉ Free position
◯ Center position

Next

Calculate max Square

Dia 1: 10"
Dia 2: 12-1/2"

Max square measures:
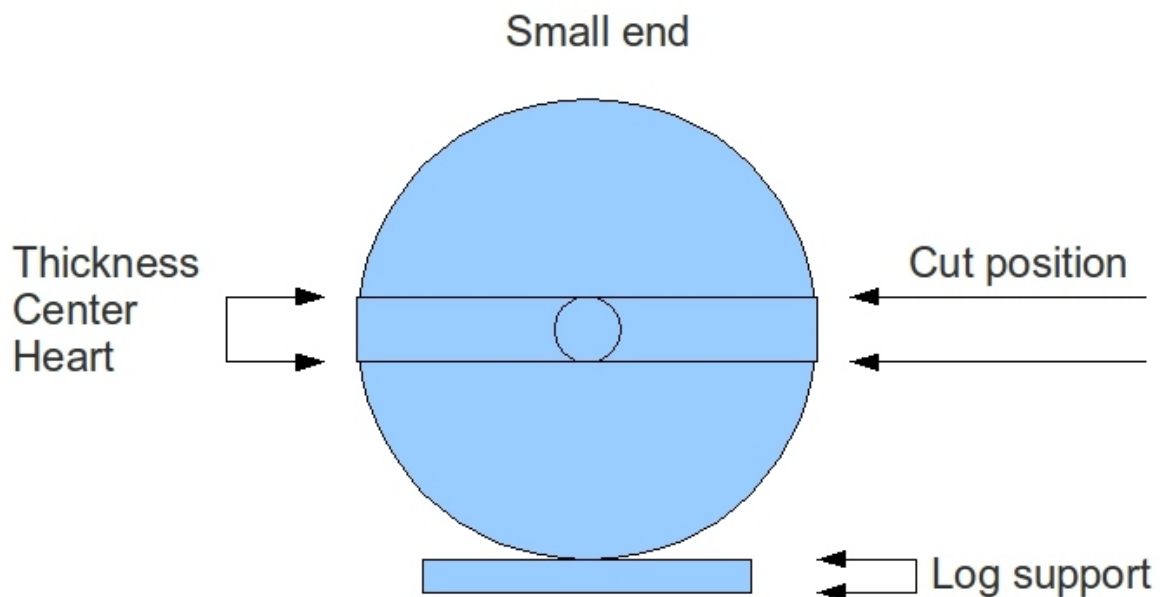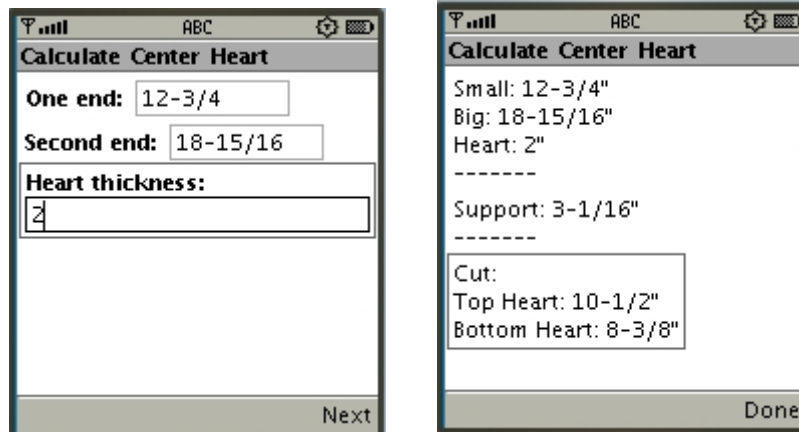Width: 5"
Height: 7-1/2"
Support: 3/8"

Free position:
Open cut: 7-7/8"
2nd cut: 9-1/8"
3rd cut: 5"
4th cut: 7-1/2"

Done

Square width

Roughness

Cut position

Center Heart

Enter log diameters on the small and big end. Enter also thickness for center Slab. Result is how many log supporting and cut positions for Center heart cutting.

Outer Slab Resaw

Enter outer slab bottom width, height and new wish slab height. Result is width for new edged board.

Screen 1:
```
Y.ull          ABC        ☼ ▣
Calculate Outer Slab Resaw

Slab bottom widht:
7

Slab height:  1-1/2

New slab height:
1

                        Next
```

Screen 2:
```
Y.ull          ABC        ☼ ▣
Calculate Outer Slab Resaw

Old width: 7"
Old height: 1-1/2"
-------

New height: 1"
New width: 4-5/16"

                        Done
```
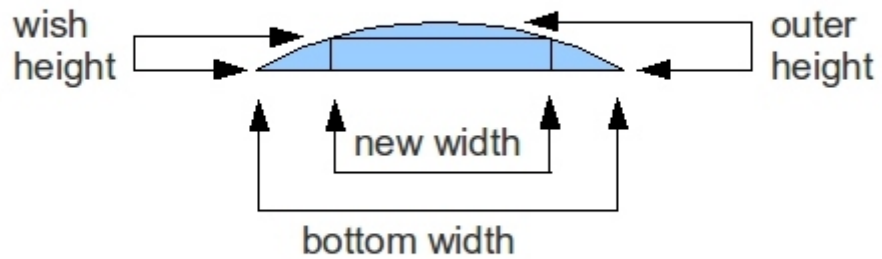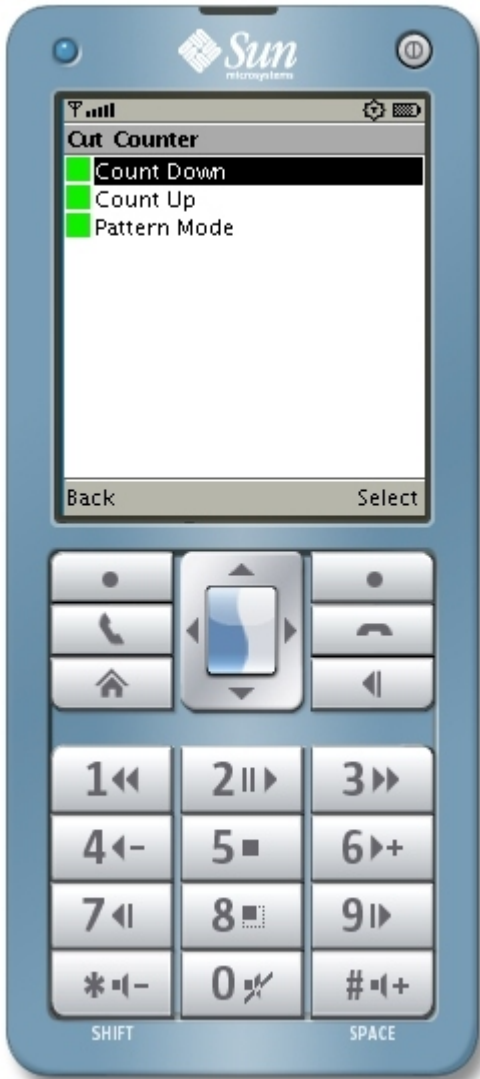
Cut Counter

Cut Counter is the main feature this program. You enter start position, slabs thickness and result is blade positions.

Count Down – Counting from top do down

Count Up – Counting from down to up, cutting is from top do down.

Pattern Mode – Counting from bed position, cutting is from top do down.

Count Down

Calculating and cutting is from up to down.

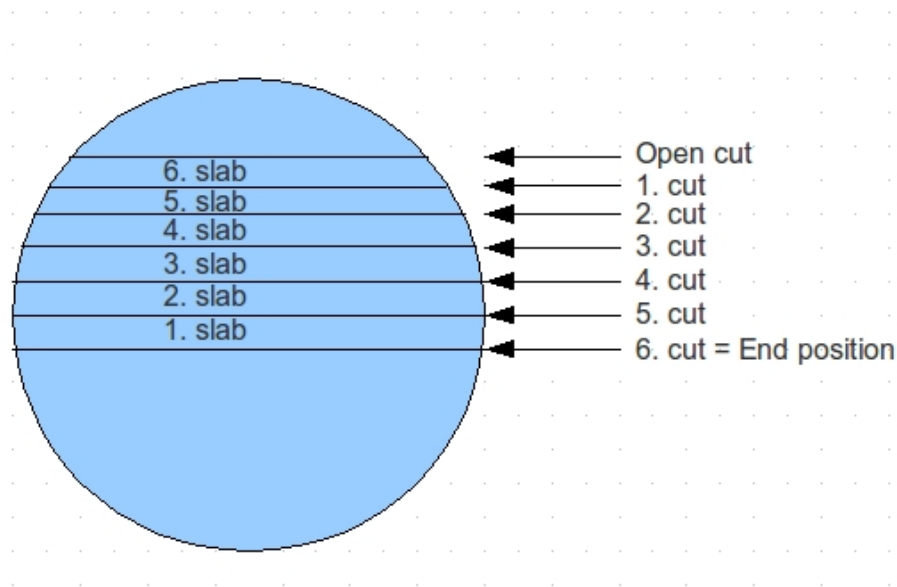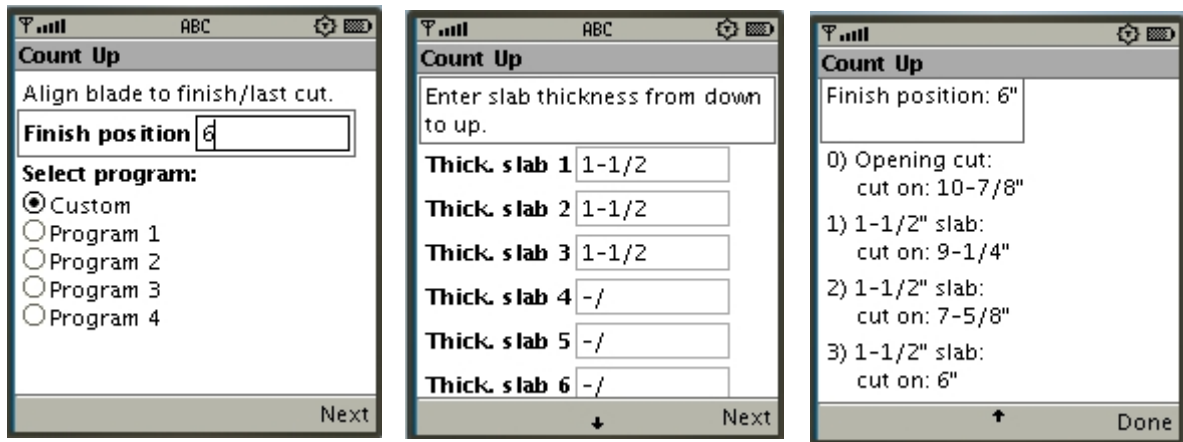| Count Down	Count Down	Count Down
Align blade with start/opening cut.	Enter slab thickness from top to down.	0) Opening cut: cut on: 21-3/16"
Start position 21-3/16	Thick. slab 1 [1]	1) 1" slab: cut on: 20-1/16"
Select program:	Thick. slab 2 [1]	2) 1" slab: cut on: 18-15/16"
⦿ Custom	Thick. slab 3 [2]	3) 2" slab: cut on: 16-13/16"
○ Program 1	Thick. slab 4 [2]	4) 2" slab: cut on: 14-11/16"
○ Program 2	Thick. slab 5 [2]	
○ Program 3	Thick. slab 6 [2]	
○ Program 4		
Next	↓ Next	↓ Done
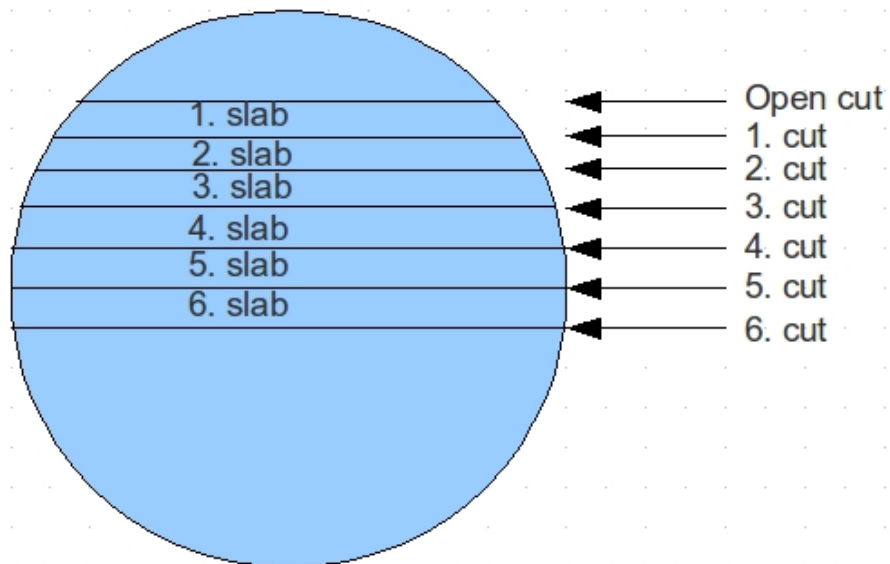
Count Up

Calculating is from down to up, but cutting is reverse, from up to down.

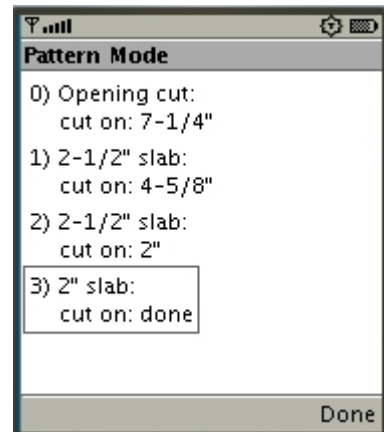|		

Count Up
Align blade to finish/last cut.
Finish position 6
 	
Select program:
◉ Custom
○ Program 1
○ Program 2
○ Program 3
○ Program 4
 	
Next
	Count Up
	Enter slab thickness from down to up.
	Thick. slab 1 1-1/2
	Thick. slab 2 1-1/2
	Thick. slab 3 1-1/2
	Thick. slab 4 -/
	Thick. slab 5 -/
	Thick. slab 6 -/
	↓ Next
		Count Up
		Finish position: 6"
		
		0) Opening cut:
		   cut on: 10-7/8"
		1) 1-1/2" slab:
		   cut on: 9-1/4"
		2) 1-1/2" slab:
		   cut on: 7-5/8"
		3) 1-1/2" slab:
		   cut on: 6"
		↑ Done

Diagram:

- 6. slab — Open cut
- 5. slab — 1. cut
- 4. slab — 2. cut
- 3. slab — 3. cut
- 2. slab — 4. cut
- 1. slab — 5. cut
- 6. cut = End position

Pattern Mode

Calculating is from bet position to up. Cutting is from down to bed.

Pattern Mode
 	
Minimum thickness for bottom slab is: 1".
 	
Select program:
⦿ Custom
○ Program 1
○ Program 2
○ Program 3
○ Program 4
 	
Next
	Pattern Mode ABC
	
	Add slab thickness from bed to up.
	
	Thick. slab 1 2
	Thick. slab 2 2-1/2
	Thick. slab 3 2-1/2
	Thick. slab 4 -/
	Thick. slab 5 -/
	Thick. slab 6 -/
	
	↓ Next
		Pattern Mode
		
		0) Opening cut:
		   cut on: 7-1/4"
		1) 2-1/2" slab:
		   cut on: 4-5/8"
		2) 2-1/2" slab:
		   cut on: 2"
		3) 2" slab:
		   cut on: done
		
		Done
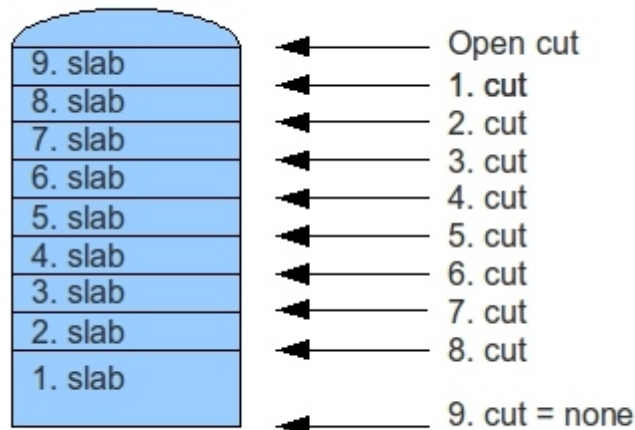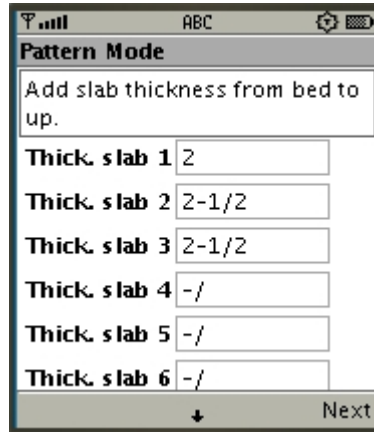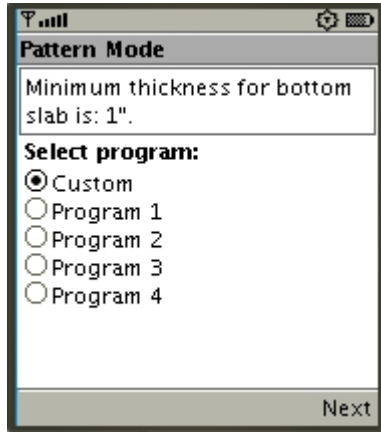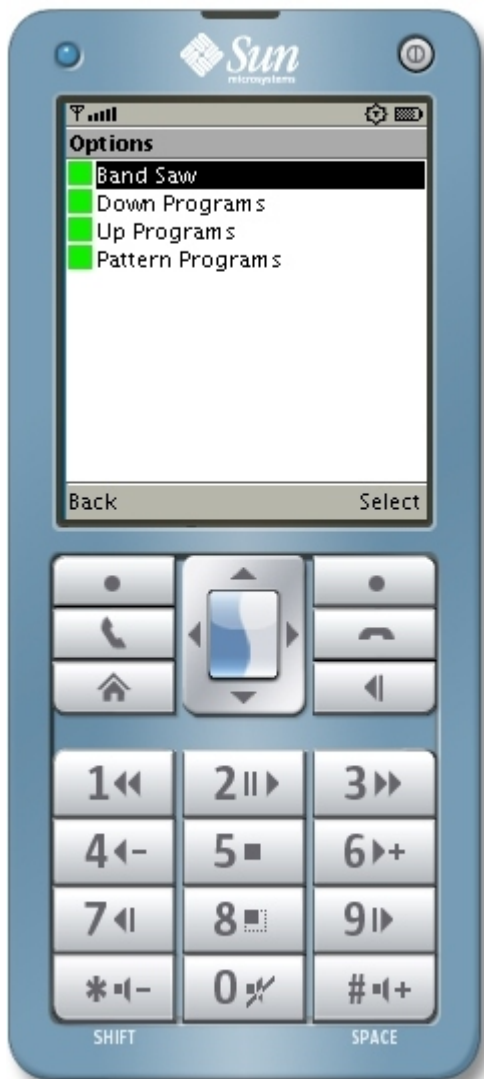
Options

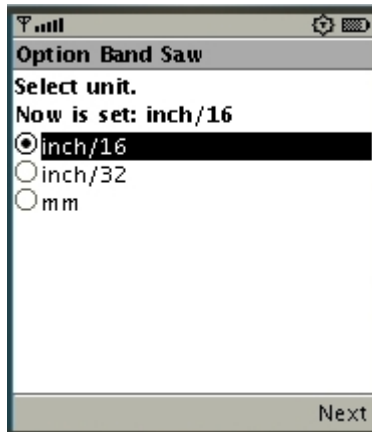Here you can setup the mill and cutting programs.

Band Saw – Setup kerf, units, minimum thickness for bed slab, default log roughness.

Down Programs – Preprogrammed four cutting programs with 16 steps.

Up Programs – Preprogrammed four cutting programs with 16 steps.

Pattern Programs – Programmed four cutting programs 16 steps.

Band Saw

Down, Up, Pattern Programs

About

Here you cat also fill the registration form if you paid   and obtain the key.