

# *Quality Policy Statement*

Lexus SoftMac™ is ISO 9001:2000 Company

*We, at “Lexus SoftMac”,  
make our Quality so special, So Valuable to our Customers,  
so Important to their Success,  
that our Products become their only Real Value Choice.*

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CEO

Date: 01.02.05

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# WELCOME

Get ready for a whole new experience.

Lexus Single Station Pneumatic Press (In) has a completely fresh, new look and it's easier than ever to use.

This booklet explains how to get your Lexus Single Station Pneumatic Press set up and where to turn for help, so you can enjoy the most intuitive Die Pot Fixing System yet for Real gem quality Diamonds.

Let's get started!

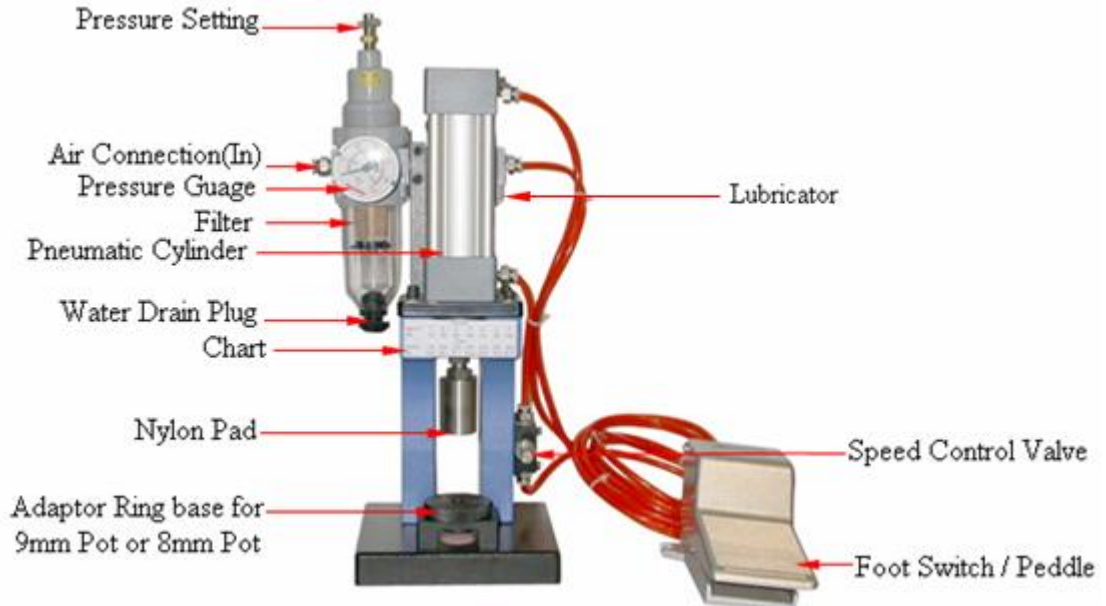
## SPECIFICATIONS

✚	Weight	: 8 kg.
✚	Dimension	: 150 x 150 x 430 mm (Without Compressor)
✚	Pressure Range	: 0 to 7 Bars (0 to 105 PSI)
✚	Force	: 61 N to 862 Newton's

## INSTALLATION INSTRUCTION

1. Connect the Compressed air line at the input connector of the FRL (Filter Regulator - Lubricator) unit.
2. Add Lubricating oil (Oil with viscosity letter then 800 SSU) – SAE 30, to the Lubricator.  
This oil will lubricate the piston when it slides up and down. Set oil dripping rate to 1 drop every four foot switch Pressing. (4 Up-Down movement)
3. Check the Movement of the cylinder piston, while pressing the Foot Switch. The speed of down movement can be controlled by setting the flow control valve (Speed Controller).

## OPERATING CONTROLS



## OPERATING INSTRUCTION

1. Select the Correct Die pot Housing. i.e. 8mm housing for normal cover and 9mm housing for wass cover.
2. Place the cover with die pot and diamond to be pressed, in position.
3. Set the desired pressure to result in desired pressing force.

PRESSURE		FORCE	
Kgf/Cm	PSI	Newton	kg
0.5	7.5	61	6.2
1	15	123	12.5
1.5	22.5	185	18.9
2	30	246	25.1
2.5	37.5	308	31.4
3	45	370	37.7
3.5	52.5	431	43.9
4	60	493	50.3
4.5	67.5	554	56.5
5	75	616	62.8
5.5	82.5	678	69.1
6	90	739	75.3
6.5	97.5	800	81.5
7	105	862	87.9

4. Press the Foot Switch to depress the Cylinder Piston.
5. Release the Foot Switch to release the pressure.

**Note:** While pressing the top in Apollo pots, make sure that the “NYLON PAD” at the bottom of the cylinder is flat.