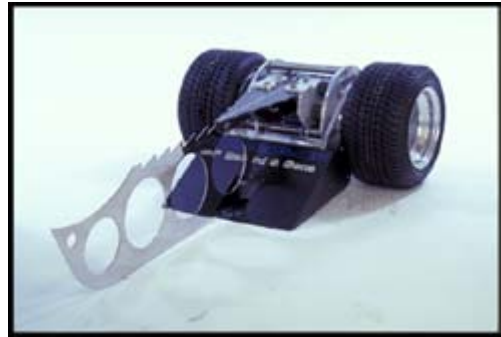


7.2.7.1 Surface Area Calculations

1) Imagine a pneumatic piston with a diameter of 4" operates this BattleBot's blade. The compressor driving it provides 100psi. How many pounds of force will be moving the blade?

2) A liquid compound can be applied to the tires to increase their grip by a factor of two. An ounce of the compound covers two square inches of tire. How many ounces of the compound do we need to buy if the tires are 10" wide, and have a diameter of 12"?



Materials needed:

Paper	Pen/Pencil	Calculator
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Calculations:

1)	2)
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