

# Flow Reader Chip

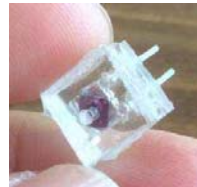
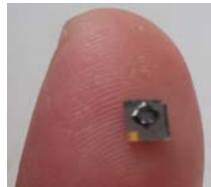
An Investment Opportunity For Technology Acquirers

Proposed by Microfluidic Foundry LLC, a microfluidic chip developer and supplier

[www.MicrofluidicFoundry.com](http://www.MicrofluidicFoundry.com)

[info@MicrofluidicFoundry.com](mailto:info@MicrofluidicFoundry.com)

1-510-296-4390



Chip (left) and  
Plug&Play  
Package (right)



Flow  
Information  
Input (left) and  
Sensing Unit  
(right)



Digital Chip  
Reader (left)  
and  
Commucation  
Unit (right)

## SAMPLE APPLICATIONS AND MARKETS

### 1. Pipeline flow metering and leakage monitoring



### 2. Wind and moving speed measurements



## ADVANTAGES

1. Modulated fluidic measurements and managements;
2. Plug and Play configurations;
3. Reads pressure, flow rate, speed etc;
4. Communicates with various smart devices;
5. Minimizes form factor and costs.

Table 1: Current Technology and Flow Reader Chip (Product Size & Price)

		Size	Unit Price (\$)
OEM for sport equipment	Flow Reader Chip	Finger Tip	10
OEM for pipeline leak-monitor	Flow Reader Chip	Finger Tip	10
OEM for high pressure pipeline flow metering	Flow Reader Chip	Finger Tip	10
Speedometer for end-customer	Radar Speedometer	Pocket	100
	Flow Reader Chip	Pen Drive	20
Gas meter for utility supplier	Thermal flow meter	3"×3"×2"	80
	Flow Reader Chip	3"×1"×1"	40
Anemometer	Cup anemometer	14"×3"×3"	400
Weather station or wind turbine	Flow Reader Chip	3"×1"×1"	200

## RETURN ON INVESTMENT

<b>Cash Flow Projections – Fluidic Microprocessor</b>					
	Pre Sales	Year 1	Year 2	Year 3	Year 4
<b>Sales (\$)</b>		3M	25M	55M	110M
<b>Speed Sensing</b>					
Unit Price (\$)		10	10	10	10
# of sales		100K	500K	1.5M	3M
<b>Flow Sensing</b>					
Unit Price (\$)		20	20	20	20
# of sales		100K	1M	2M	4M
<b>Total revenue (\$)</b>		<b>3M</b>	<b>25M</b>	<b>55M</b>	<b>110M</b>
YOY Growth			733%	120%	100%
<b>Costs (\$)</b>					
Facilities	2M				
R&D	1M				
Chip production		200K	1M	2M	3M
Packaging		1M	5M	15M	30M
<b>Cost of Sales (\$)</b>	<b>3M</b>	<b>1.2M</b>	<b>6M</b>	<b>17M</b>	<b>33M</b>
<b>Gross Profit (\$)</b>	<b>(3M)</b>	<b>1.8M</b>	<b>19M</b>	<b>38M</b>	<b>77M</b>
Margin		60%	76%	69%	70%
YOY Growth			956%	100%	103%
Salary & Benefits (\$)	(1M)	(1M)	(1.5M)	(2M)	(3M)
Overhead (\$)	(500K)	(500K)	(750K)	(1M)	(1.5M)
<b>Operating Costs (\$)</b>	<b>1.5M</b>	<b>1.5M</b>	<b>2.25M</b>	<b>3M</b>	<b>4.5M</b>
<b>Net Income (\$)</b>	<b>(4.5M)</b>	<b>300K</b>	<b>16.75M</b>	<b>35M</b>	<b>72.5M</b>
Margin		10%	67%	64%	66%
YOY Growth			5483%	109%	107%