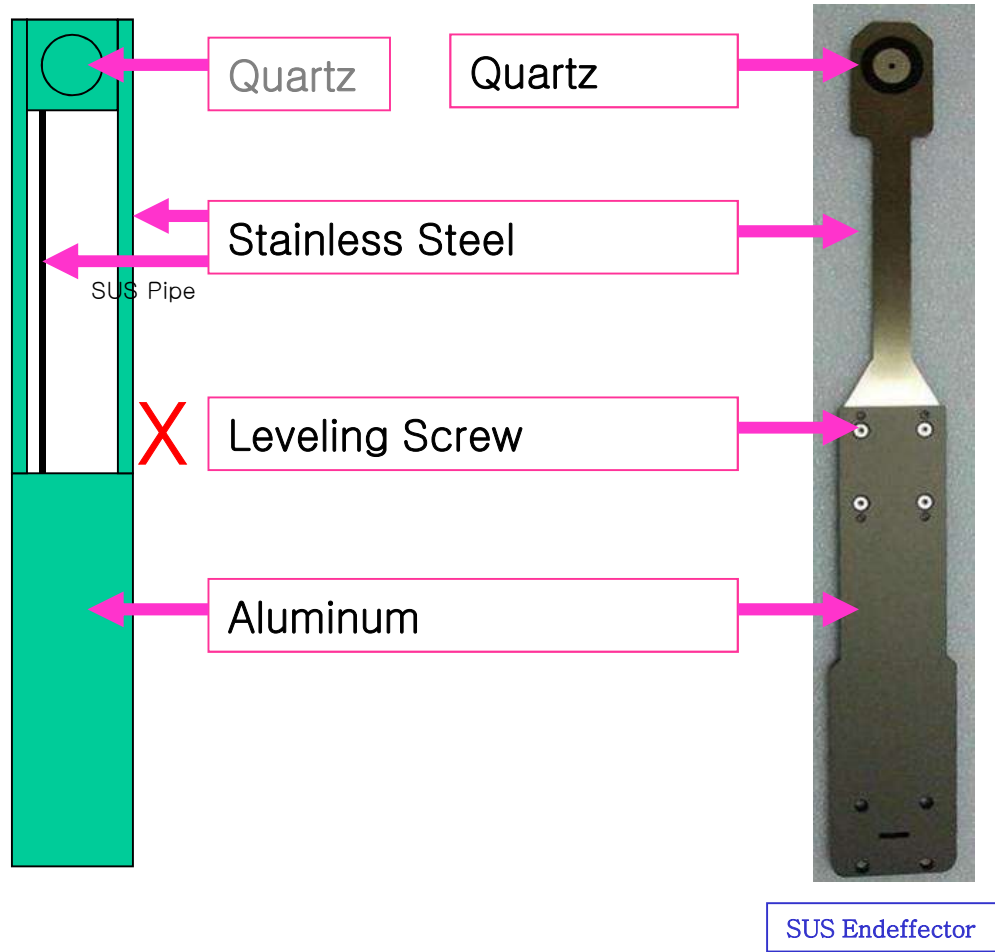


RTP Solutions  
Endeffector proposal  
Mattson RTP system

# Material

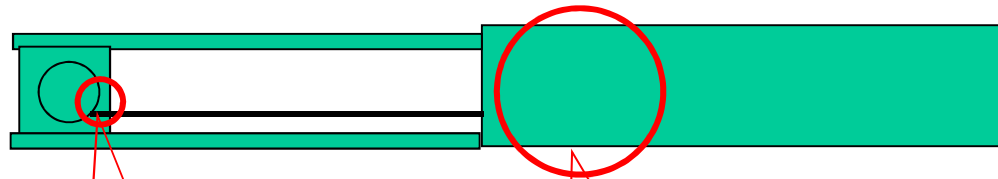


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# Mattson Endeffector weak point

## ■ Top View

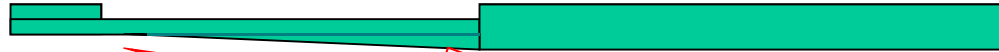


Easy to be broken ceramic bonding point and it makes vacuum leak. – get fail error

Can't level endeffector by itself.

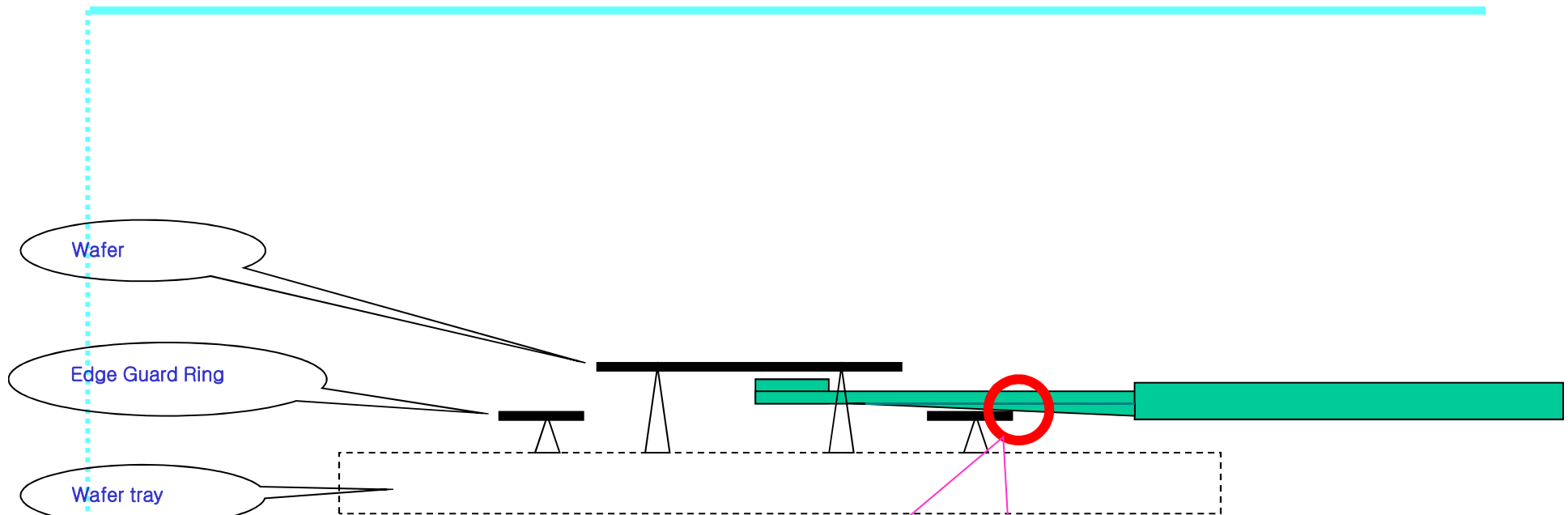
# Mattson Endeffector weak point

## ■ Side View



1. Endeffector Front thickness : 1.5mm.
2. Endeffector rear thickness : 2.5mm
3. Thick endeffector can touch edge guard ring during wafer loading and unloading. It also makes particle issue.

# Mattson Endeffector weak point

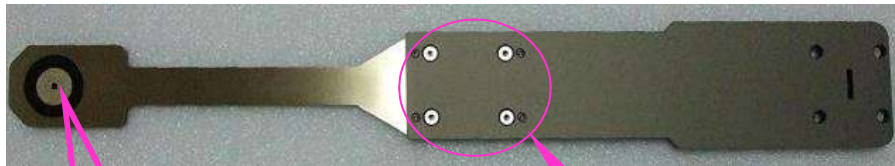


- 1. The thickness difference between front and rear.
- 2. The difference makes for engineer to perform robot teaching hard.
- 3. The touch makes particle issue.

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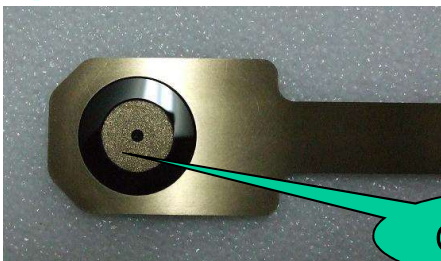
# Modified endeffector



No sus pipe line

Level screw on endeffector

Same thickness front & rear



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# Sales Record

Customer	System Model	Quantity
Samsung	AST2800	23
	AST2900	48
	AST3000	8
Hynix	AST2800	37
	AST2900	12
Magna Chip	AST2800	12
	AST3000	4
Dongbu HiteK	AST3000	2
LG Siltron	AST3000	2
Infineon Kulim	AST2800	2
JSMC	AST2800	2

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Thank you