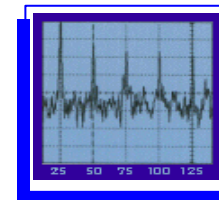
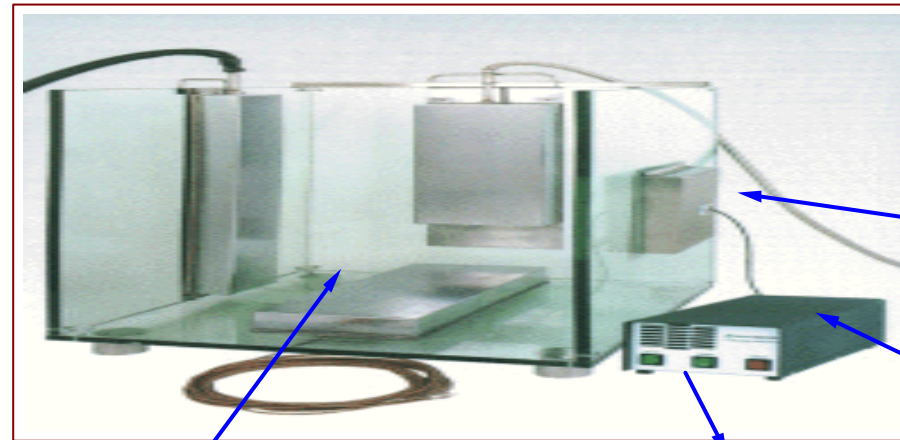
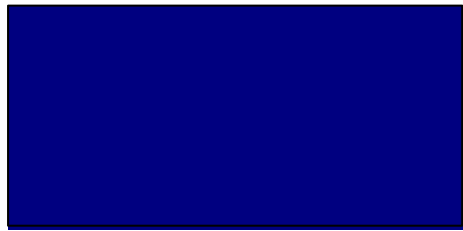


?

3.1

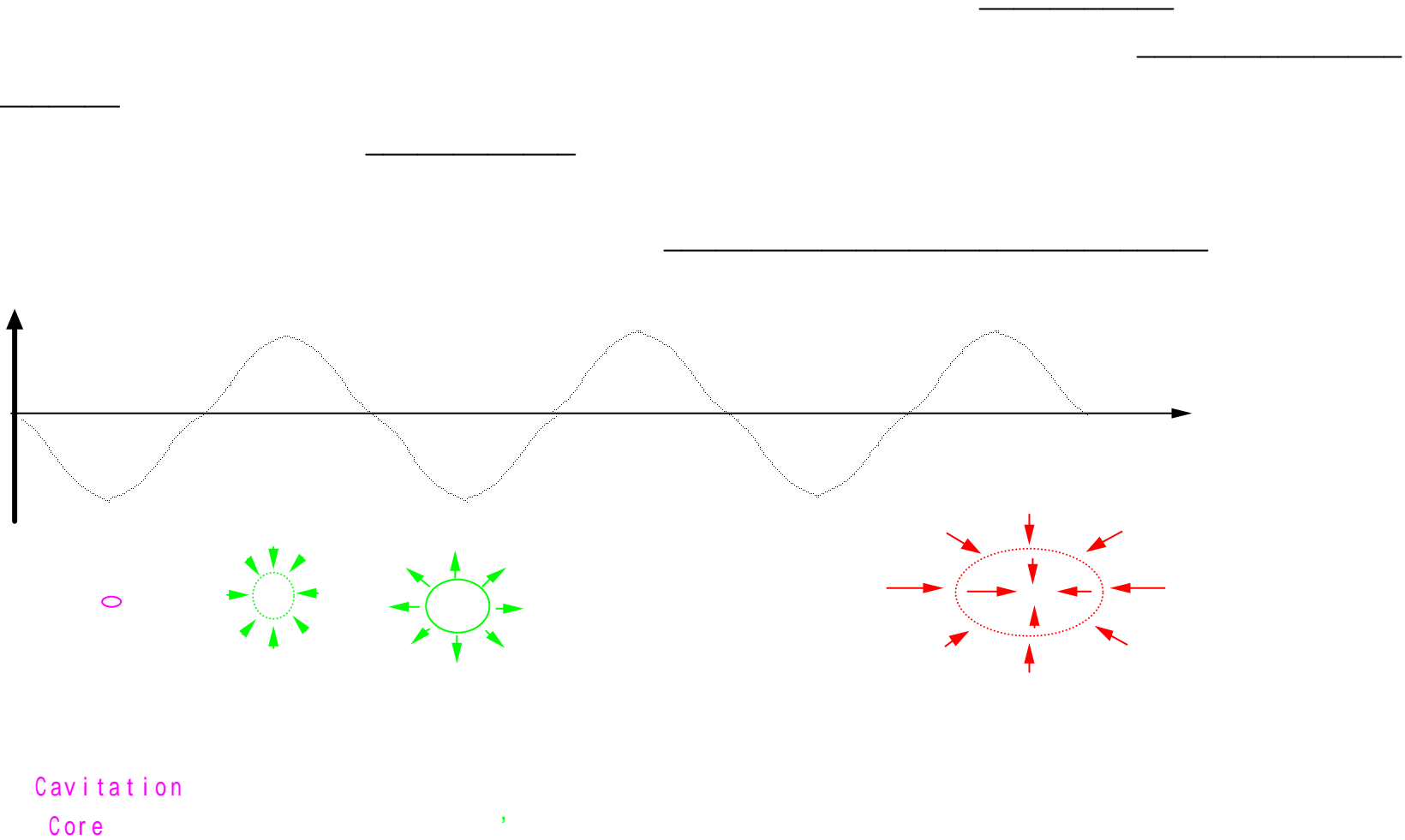
가

가



?

3.2 (Cavitation)



?

3.3

: 가 , 15~100KHz

: 300KHz

:

: 가 , 가

(Viscosty) :

:

: (Erosion) Crack .

:

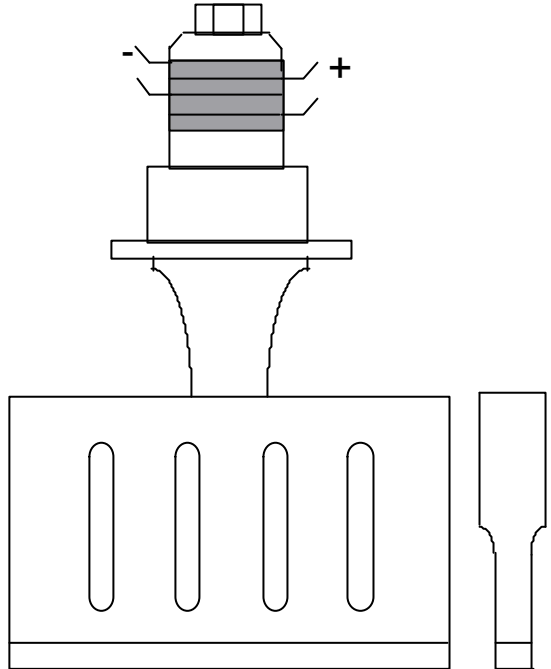
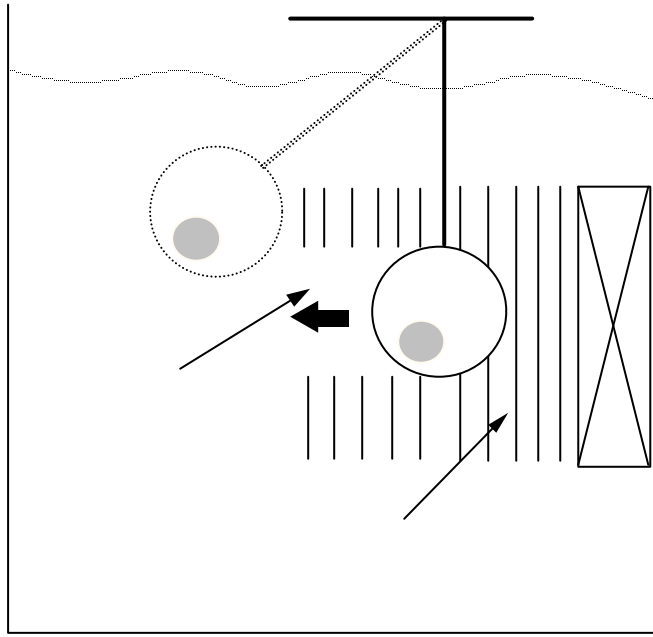
2 ,

?

3.4 直進流 : Acoustic Streaming)

: (照射)
()

가
가



<

>

<

>

?

3.5 가 (가)

가 : 가 ,
sub-micron .

$$y = A \sin T, \quad a = d^2y/dt^2 = -A \omega^2 \sin T,$$

$$a_{max} = A \omega^2 = A(2\pi f)^2 \quad : \text{가 가}$$

<가 >

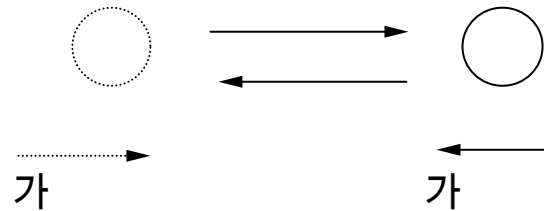
$$I = cv^2 \quad (v : \quad)$$

(I : ,
c : [pa.s/m])

$$v = (I / c)$$

$$a = v \omega = 2\pi f (I / c)$$

(a : 가 , : radian)

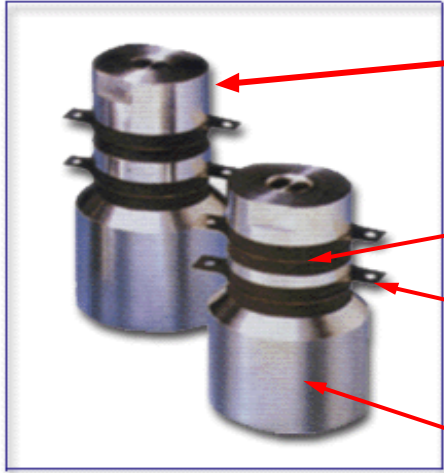


<가 >

?

3.6

: , ,
:
:
,



BLT

BLT
가 가

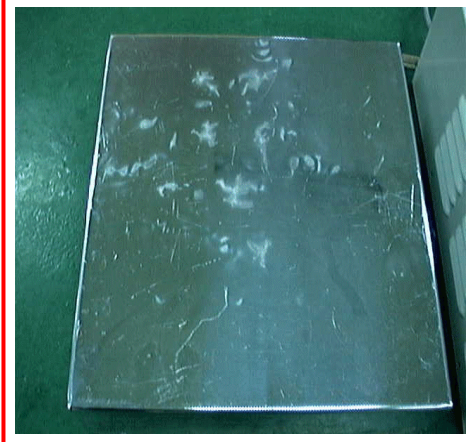
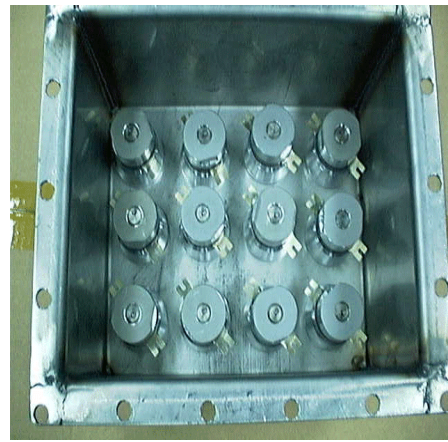
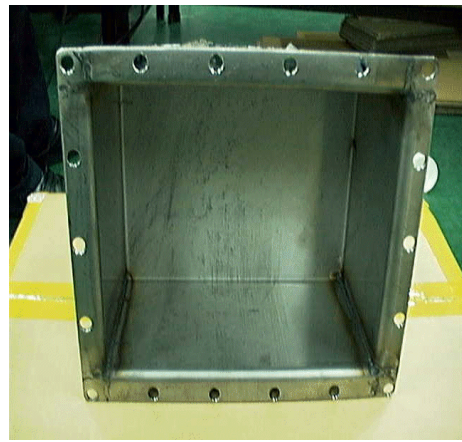
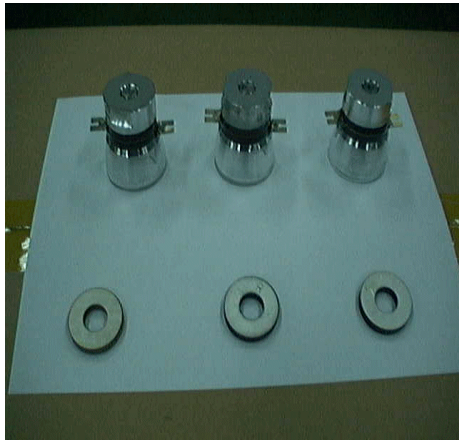
+ , - 2

가

:
:

?

3.7



1	2	3	4
	SUS304 가	1 50W 1200W 24	CHECK