	SUBSTRATE/CHUCK			LOADING/CHUCK/SHIM		STEPPER	WAFER diamet	TARGET THICKNESS			
	Substrate size	CHUCK name	Substrate thickness=S	Pick right chuck	Shim	chuck size	wafer size	Chuck thickness=C	C+S=12.150(+/- 0.1)mm	COMMENT	
	1/4 of 2" or less	SMALL 1/4 of 2" chuck-500um (Adam:1/4 2")	350um=0.350mm	1/4of2"/500um+sl	130um	142	50.8mm	11.646mm	11.646+0.350+0.130=12.126	OK	≤350um, use shim 130-230um
			400um=0.500mm	1/4of2"/500um+sl	130um	142	50.8mm	11.646mm	11.646+0.400+0.130=12.176	OK	(350-500)um, use shim 130-180um
*			500um=0.500mm	1/4of2"/500um	no	142	50.8mm	11.646mm	11.646+0.500=12.146mm	OK	
			604um=0.604mm	1/4of2"/500um	no	142	50.8mm	11.646mm	11.646+0.604=12.25mm	OK	limit
	1/4 of 2" or less	SMALL 1/4 of 2" chuck-635um (Adam:1/4 2")	350um=0.350mm	1/4of2"/635um+sl	180um	142	50.8mm	11.536mm	11.536+0.350+0.180=12.126	OK	≤350um, use shim 180-260um
			500um=0.500mm	1/4of2"/635um+sl	130um	142	50.8mm	11.536mm	11.536+0.500+0.130=12.166	OK	
*			635um=0.635mm	1/4of2"/635um	no	142	50.8mm	11.536mm	11.536+0.635=12.171mm	OK	
			714um=0.714mm	1/4of2"/635um	no	142	50.8mm	11.536mm	11.536+0.714=12.250mm	OK	limit
	2" and smaller	SMALL 2" CHUCK-500um (Adam:2")	350um=0.35mm	2"/500um+shim	130um	2 (for 2")	50.8mm	11.650mm	11.650+0.350+0.130=12.130	OK	≤350um, use shim 130-230um
*			500um=0.500mm	2"/500um	no	2 (for 2")	50.8mm	11.650mm	11.650+0.500=12.150mm	OK	
			600um=0.600mm	2"/500um	no	2 (for 2")	50.8mm	11.650mm	11.650+0.600=12.250mm	OK	limit
	3" and smaller	3" CHUCK-635um (Adam: 76.2mm)	350um=0.350mm	3"/635um+shim	130um	3(for 3")	76.2mm	11.570mm	11.570+0.350+0.130=12.050	OK	≤350um, use shim 130-260um
			500um=0.500mm	3"/635um	no	3(for 3")	76.2mm	11.570mm	11.570+0.500=12.070mm	OK	
*			680um=0.680mm	3"/635um	no	3(for 3")	76.2mm	11.570mm	11.570+0.680=12.250mm	OK	limit
	4" and	STANDARD CHUCK-500um (Adam: 100mm)	350um=0.350mm	4"/500um+shim	130um	100 (for 4"	100mm	11.630mm	11.630+0.350+0.130=12.11m	OK	≤350um, use shim 130-260um
*			500um=0.500mm	4"/500um	no	100 (for 4"	100mm	11.630mm	11.630+0.500=12.13mm	OK	
			620um=0.620mm	4"/500um	no	100 (for 4"	100mm	11.630mm	11.630+0.620=12.25mm	OK	limit
	4" and	BIG METAL CHUCK (Adam:Al 100mm)	350um=0.350mm	Al 100mm	130um	100 (for 4"	100mm	11.570mm	11.570+0.350+0.130=12.050	OK	≤350um, use shim 130-260um
*			500um=0.500mm	Al 100mm	no	100 (for 4"	100mm	11.570mm	11.570+0.500=12.070mm	OK	
			635um=0.635mm	Al 100mm	no	100 (for 4"	100mm	11.570mm	11.570+0.635=12.205mm	OK	
			680um=0.680mm	Al 100mm	no	100 (for 4"	100mm	11.570mm	11.570+0.680=12.250mm	OK	limit
	4" and	BLACK MULTI -720um (Adam:Black multi)	350um=0.350mm	Black multi+shim	260um	7100	76.2mm	11.440mm	11.440+0.350+0.260=12.05m	OK	limit
			500um=0.500mm	Black multi+shim	130um	7100	76.2mm	11.440mm	11.440+0.500+0.130=12.07m	OK	use shim 130-230um
			550um=0.550mm	Black multi+shim	260um	7100	76.2mm	11.440mm	11.440+0.550+0.260=12.25m	OK	limit
*			720um=0.720mm	Black multi	no	7100	76.2mm	11.440mm	11.440+0.720=12.16mm	OK	
			810um=0.810mm	Black multi	no	7100	76.2mm	11.440mm	11.440+0.810=12.25mm	OK	limit
	6"	We do have chuck Thinning down form 12.74 to	custom puddles 3C can make them	SHIMS: Shims can be cut from other material (cabinet next to stepper, first drawer. Shim Thickness: 0.01mm to 0.75mm (each color-repereseners different thickness)							

Shims:

1.metal: 130um
2.metal :170-180um
3.metal: 260um

Shims are rectangular shape.
Make sure you attach shim to chuck properly.
(Numbers for substrate size, and substrate thickenss need to be UP)

Material used for cutting shims is in first drawer, bay 6(aytostep 200)

Shims: 0.01mm to 0.75mm (thickness)