

APPENDIX

RELIABILITY TEST OF PIN DISTANCE

The initial and the final pin distances of three groups of metal jigs, closed, open and wide groups, were measured by a digital vernier caliper and individually tested the means of pin distances with one-way ANOVA among three groups.

Table A.1 Initial pin distance distribution of three groups of metal jigs

Group	No. of pairs of pins	Initial Pin Distance (mm.)		
		\bar{X}	SD	SE mean
Closed	30	22.59	0.08	0.01
Open	30	22.57	0.08	0.01
Wide	30	22.61	0.07	0.01

One-way ANOVA: F-value = 1.9274

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

There was no significant difference of initial pin distance among three groups of metal jigs ($p > 0.05$).

Table A.2 Final pin distance distribution of three groups of metal jigs

Group	No. of pairs of pins	Final Pin Distance (mm.)		
		X	SD	SE mean
Closed	30	20.14	0.12	0.02
Open	30	20.17	0.11	0.02
Wide	30	20.11	0.12	0.02

One-way ANOVA: F-value = 2.1015

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

There was no significant difference of final pin distance among three groups of metal jigs ($p > 0.05$).

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