

development of machining condition verification system of five-axis control machining for die and mold

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Key words : Continuous 5-axis machining, Positional 5-axis machining, Inj. mold, MC cond.,

1.

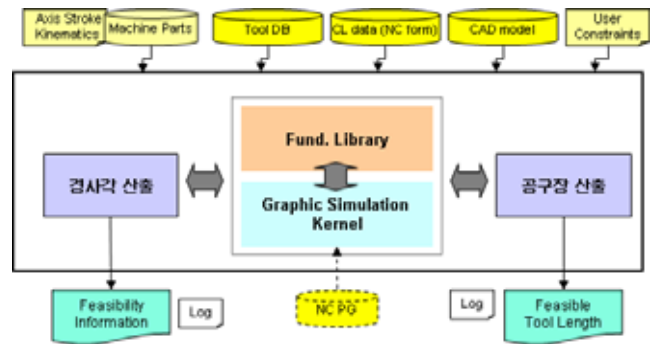


Fig. 1 Modules and input/output of machining condition verify system

2.

a

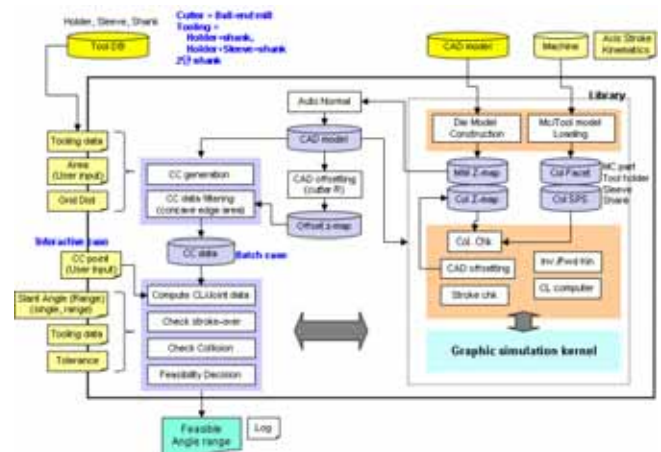


Fig. 2 Overall Procedure of rotational angles computation

2.2

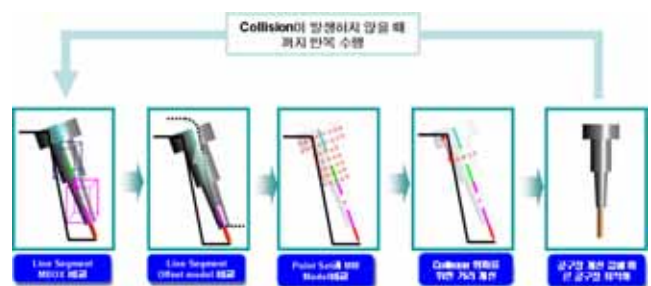


Fig. 3 A schematic diagram of the cutter length optimization procedure

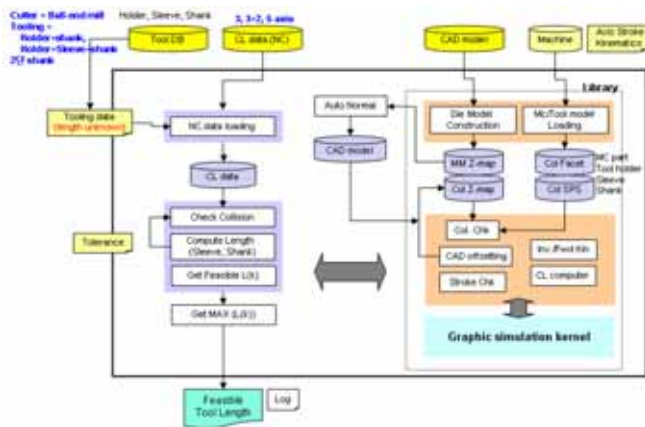


Fig. 4 Overall Procedure of cutter length optimization

3.

μ



Fig. 6 A result of rotational angles computation

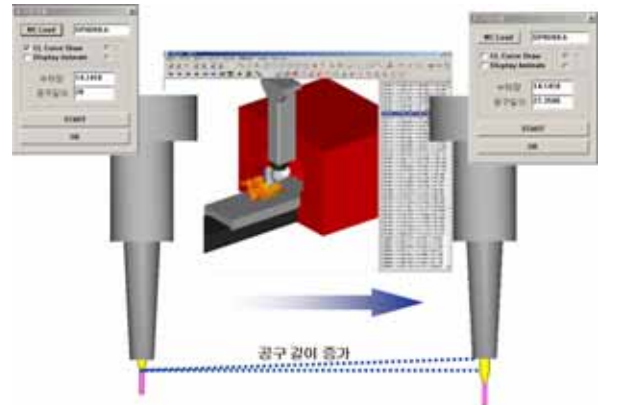


Fig. 7 A result of cutter length optimization

4.



(a)



(b)

Fig. 5 (a) Photograph of applied 5-axis machine and (b) modeling surface of mold

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