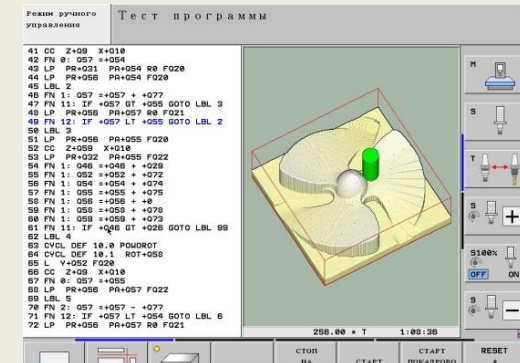
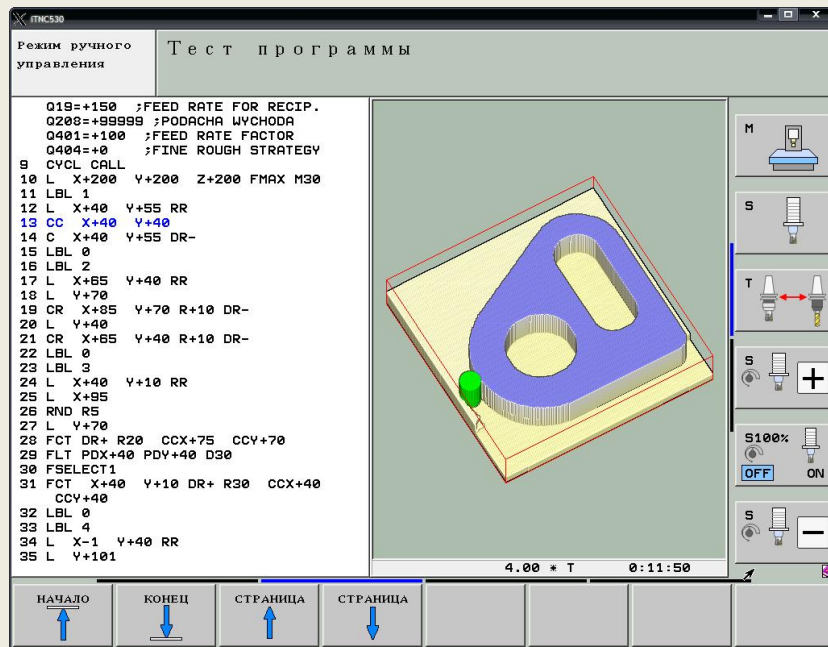


«Оптимізація технологічних процесів при програмуванні в системі HEIDENHAIN на багатокординатних верстатах з мехатронними системами керування»



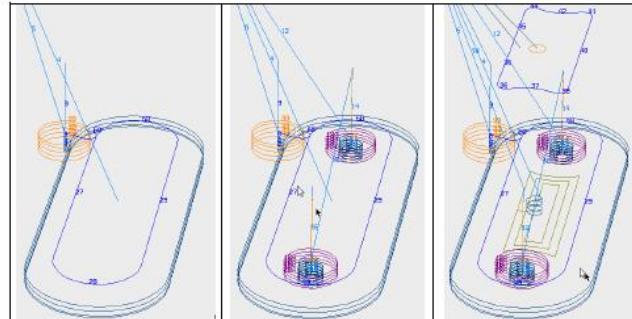
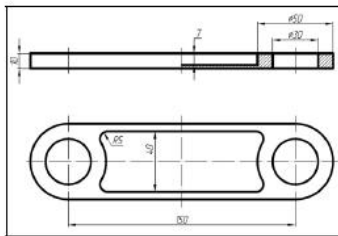
Робота за напрямом



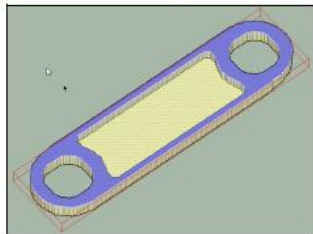
Використання отриманих знань за напрямком в дипломних роботах

СКОРОЧЕННЯ ЧАСУ ОБРОБКИ ВНУТРІШНЬОГО КАРМАНУ ДЕТАЛІ «ВАЖІЛЬ» ПРИ ПРОГРАМУВАННІ ВЕРСТАТА З ЧПК В СИСТЕМІ HEIDENHAIN iTNC 530

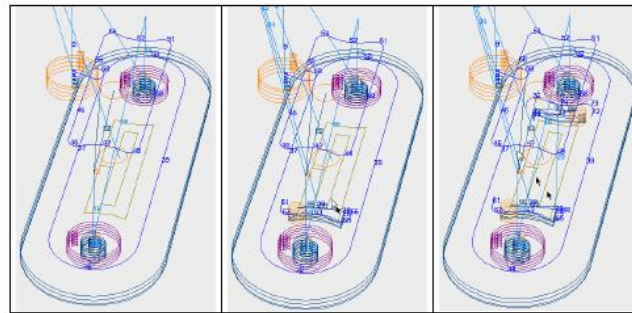
Креслення деталі «Важіль»



Тест програми



Запропоновано вести обробку внутрішнього карману двома фрезами різного діаметру



«Vazhil»	«Vazhil-1»
1. N100 G0 X0 Y0 Z0	1. N100 G0 X0 Y0 Z0
2. N101 G1 X100 Y100 Z100 F100	2. N101 G1 X100 Y100 Z100 F100
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5. N104 G1 X100 Y100 Z100 F100	5. N104 G1 X100 Y100 Z100 F100
6. N105 G1 X100 Y100 Z100 F100	6. N105 G1 X100 Y100 Z100 F100
7. N106 G1 X100 Y100 Z100 F100	7. N106 G1 X100 Y100 Z100 F100
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100. N199 G1 X100 Y100 Z100 F100	100. N199 G1 X100 Y100 Z100 F100

Витрати часу

Витрати часу	«Vazhil»	«Vazhil-1»	Різниця
На складання програми	30 хв.	60 хв.	+ 30 хв.
На обробку деталі	57хв. 49с	51хв. 52с	- 5хв. 57с
Сумарно	1 год. 27хв. 49с	1 год. 51хв. 52с	+ 24хв. 57с