2020 一種線上加速度精密電解法於倒錐微孔噴嘴成形研究			
Graduate student : Chiu-Wei Jie		Graduate student : Chiu-Wei Jie	
	14kU X100 100mm NTNU		
	Product	Inverted tapered microhole	
	Material	SNCM616	
	ΤοοΙ	Peripheral insulation tungsten carbide microelectrode	
	Taper	0.02	
	Approach	Acceleration Precision Electro-Chemical Machining (A- PECM), In-situ ECM, Epoxy resin isolation	
	Application	Fuel injector spray in the diesel engine	
	Technical Description	The microholes with the 0.02 inverted taper rate can be finished when using the acceleration of 2.0 $\mu$ m/s <sup>2</sup> , respectively. The surface roughness with Ra<0.8 $\mu$ m on the hole-wall can be finished which meets the demand for the commercial (diesel engine) nozzle microhole.	

## 2020 一種線上加速度精密電解法於倒錐微孔噴嘴成形研究 Graduate student : Chiu-Wei Jie ×100 100µm 14k∪ NTNU Product Inverted tapered microhole Material SNCM616 Tool Peripheral insulation tungsten carbide microelectrode Taper 0.09 Acceleration Precision Electro-Chemical Machining (A-Approach PECM), In-situ ECM, Epoxy resin isolation Application Fuel injector spray in the diesel engine The microholes with the 0.09 inverted taper rate can be finished when using the acceleration of $1.0 \,\mu m/s^2$ , Technical respectively. The surface roughness with Ra<0.8 µm on Description the hole-wall can be finished which meets the demand for the commercial (diesel engine) nozzle microhole.