

Metallographic Sample Cutting Machine with Max Cut Section 300x150 mm

iCut-414 is a PLC controlled automatic metallographic sample cutting machine, X, Y, Z directions were automatically and precisely controlled by micro computer. Feed speed can be changed depending on the material's hardness to achieve the fastest cutting effect.



Main Parameters:

Model	iCut-414	iCut-415	iCut-416
Control method	Manual / Automatic, three axis linkage, 10 inch touch screen control, Can be switched to the operating handle wheel		
Feature	Automatic drain system, alarm system, double LED lighting, red cursor position		
Feeding speed	3mm/min, 5mm/min, 8mm/min, 12mm/min (users may modify the set speed according to requirement)		
Cutting disc	Ø380xØ32x2 mm	Ø400xØ32x3 mm	Ø400xØ32x3 mm
Work table dimension (X*Y)	450x350 mm	485x400 mm	530x630 mm
Y axis maximum travel	250 mm	300 mm	420 mm
X axis maximum travel	100 mm	100 mm	110 mm
Z axis maximum travel	160 mm	230 mm	230 mm
Max. cutting cross section	120x100 mm	200x120 mm	300x150 mm
Fixture caliber	120 mm	200mm	300 mm
Frequency conversion motor	5.5kw, Speed: 500-2800rpm	7.5kw, Speed: 500-2800rpm	7.5kw, Speed: 500-2800rpm
Feeding motor	Servo motor	Servo motor	Servo motor
Volume of the water tank	120L	120L	120L
Dimensions	1400x1000x1850mm	1550x1100x1900mm	1650x1350x1900mm
Weight	1800kg	2200kg	2500kg