

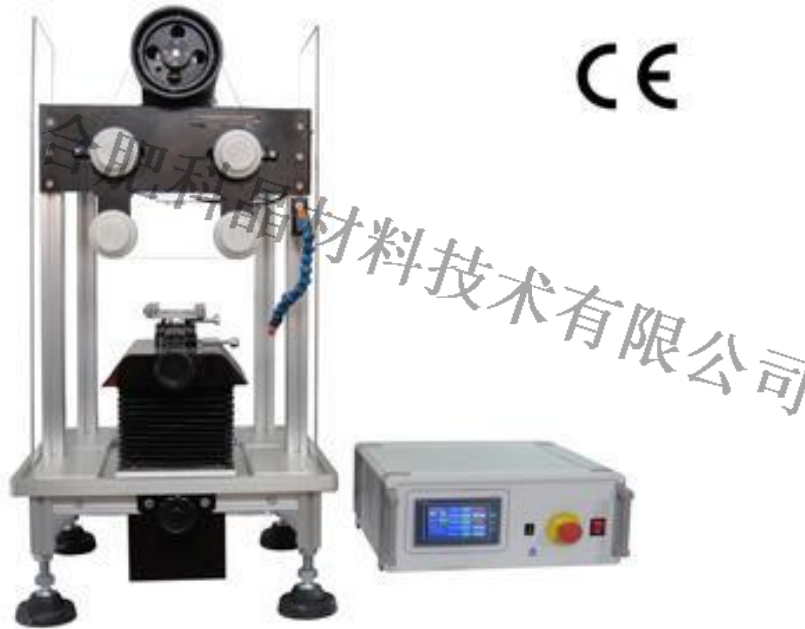
Polishing Machine Application

Equipments:

Precision Wire Saw - STX-1202



Small Precision Diamond Wire Saw - STX-202A



合肥科晶材料技术有限公司

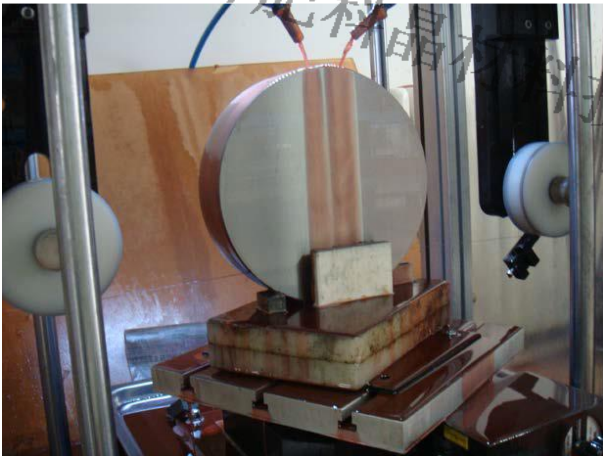
Testing Equipment#1:

Precision Wire Saw **STX-1202**



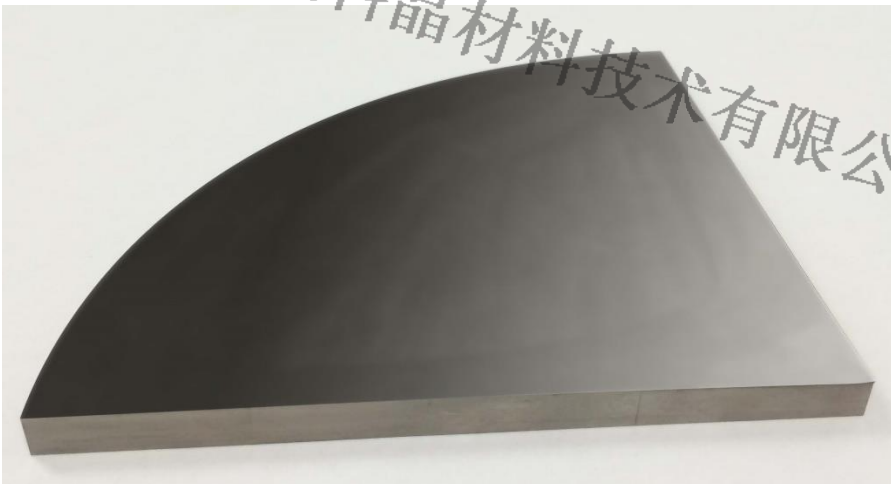
Testing Material#1:	Tungsten alloy
Testing Object:	Cutting
Wire Type	Diamond wire
Wire Dia.	0.3mm
Cutting speed	0.35mm / min
Sample Resulting Surface Roughness	Ra 1.66um

Application Images:



Note: Max. sample loading Dia. 475mm

Sample Result Images:



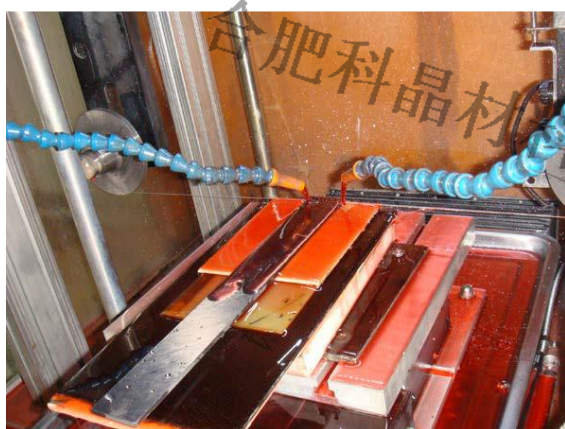
Testing Equipment#1:

Precision Wire Saw - STX-1202



Testing Material#2:	Lamination Materials
Testing Object:	Cutting
Wire Type	Diamond wire
Wire Dia.	0.3mm
Cutting speed	10 mm / min
Sample Resulting Width	5mm

Application Images:



Sample Result Images:



Material included:
(from up to bottom)

Carbon fiber
Aramid fiber
Glass fiber
Carbon fiber
Refractory glass fiber

Testing Equipment#2:

Small Precision Diamond Wire Saw - STX-202A



Testing Material#1:	Rock
Testing Object:	Thin Piece Cutting
Wire Type	Diamond wire
Wire Dia.	0.3mm
Cutting speed	0.25mm / min
Sample Resulting Thickness	500um

Sample Result Images:



Note: Min. achievable thickness is 95 um, but with low success rate 10%

Testing Material#2:	Alumina Ceramic
Testing Object:	Piece Cutting
Wire Type	Diamond wire
Wire Dia.	0.3mm
Cutting speed	0.15mm / min
Sample Resulting Size	30 × 30 × 0.47 mm

Sample Result Images:



Note: Min. cutting achievable thickness is 80um, but with low success rate 10%

Testing Material#3:	Red glass
Testing Object:	Piece Cutting
Wire Type	Diamond wire
Wire Dia.	0.3mm
Cutting speed	0.15mm / min
Sample Resulting Thickness	50 × 45 × 0.16 mm

Sample Result Images:



Note: Min. achievable thickness is 100um, but with low success rate 10%