



SEIKOH GIKEN



SFP-70D2-MT with MT One-lever Action Holder

Compact MT Polisher and One-lever Action Holder

Polishing Machine : SFP-70D2-MT

Polishing Holder : PH072-MT-1Q (PC) Capacity: 1 ferrule / time
PH072-MT8A-1Q (APC) Capacity: 1 ferrule / time

■ Features

- Good for both MT ferrule full step polishing and repolishing
- Simply insert ferrule and lock down to fix
- Best solution for small volume production and touch-up

Suggested MT/PC Flock Film Polishing Process

PPS MT ferrule, For M/M OM3 fiber Core dip $\leq 50\mu\text{m}$, Fiber count: 12F & 24F

POLISHING PROCESS	POLISHING CONDITIONS			
	POLISHING PAD	FILM (service life)	LIQUID	TIME (min)
1 st . Step	PG07-490-SR3	GC07 (1)	D.I WATER	1.0 (Repolishing: 0.2)
2 nd . Step	PG07-490-SR3	AR07 (1)	D.I WATER	1.0
3 rd . Step	PG07-490-SR3	GH07 (1)	D.I WATER	1.0
Final Step	PG07-490-SR3	FM07-SOAP (1)	D.I WATER	2.5 (Repolishing: :0.5~1.5)

- Same process for MT/APC
- Repolishing for scratch removal, start from Final step.
- Repolishing for geometry rework, start from 1st. Step.

Performance

Polishing Result (Full Step N = 5 pcs for each type)

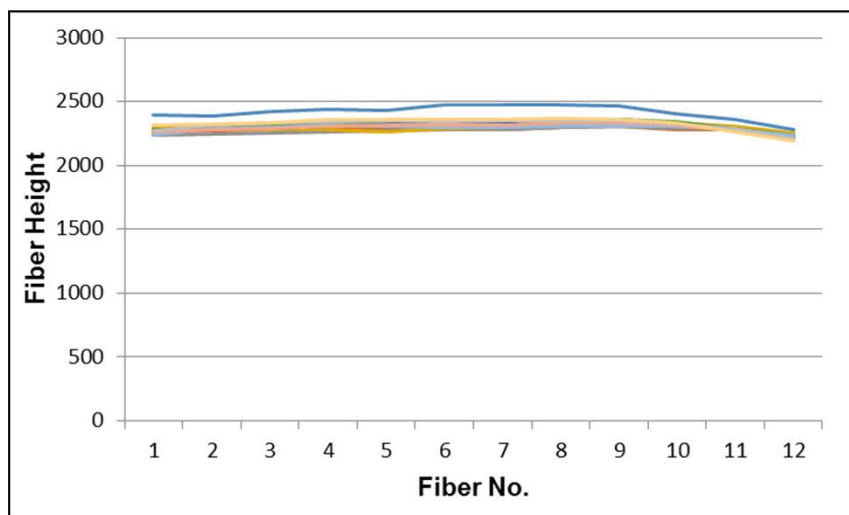
PH072-MT-1Q (MT/PC)

No.	Ferrule X angle (-)	Ferrule Y angle (-)	Ferrule X radius (mm)	Ferrule Y radius (mm)	Min fiber height (nm)	Max fiber height (nm)	Max core dip (nm)	Minus coplanarity (nm)
1	-0.06	-0.04	5974	301	2235	2356	18.9	82.9
2	0.09	0.00	8629	343	2235	2316	14.9	55.6
3	0.08	0.01	6742	327	2207	2337	14.5	83.1
4	0.07	-0.04	7180	288	2210	2353	18.7	89.5
5	-0.07	0.00	4842	285	2194	2366	29.4	98.9

PH072-MT8A-1Q (MT/APC)

No.	Ferrule X angle (deg)	Ferrule Y angle (deg)	Ferrule X radius (mm)	Ferrule Y radius (mm)	Min fiber height (nm)	Max fiber height (nm)	Max core dip (nm)	Minus coplanarity (nm)
1	0.06	8.01	6757	288	2277	2474	-	112.6
2	0.05	8.01	17770	279	2217	2306	-	55.3
3	0.04	7.97	33920	359	2225	2305	-	62.5
4	0.02	7.99	31281	269	2258	2362	-	53.8
5	0.02	8.02	6700	287	2223	2363	-	83.1

Fiber protrusion of the above 10 samples



MAX	2474.4 nm
MIN	2194.0 nm
AVE	2312.7 nm
STD	54.4

Disclaimer- 1) Polishing method with use of fibrous material is patented in the U.S (US patent No. 6106368). 2) A ferrule assembly with fiber protrusion between 0.5um and 2.5um after polishing is patented in the U.S. (US patent No. 5743785).

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