



Better Frictional Resistance,

Better Thread Slip,

New Loopers from JUKI

Ti-Mo-N film surface treatment on the loopers provides low friction and wear resistance.

Smooth thread feeding improves the quality of sewing.

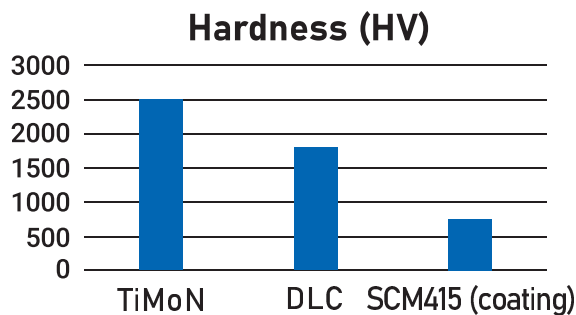
New

JUKI's first parts whose surface treated with Ti-Mo-N film. Ti-Mo-N coating greatly improves the resistance between threads and loopers. It contributes to further quality improvement.



| Long Life |

TiMoN film is a kind of titanium alloy coating film, which achieves long life like TiN or TiAlN. The surface is covered with a film with high hardness to prevent wear.



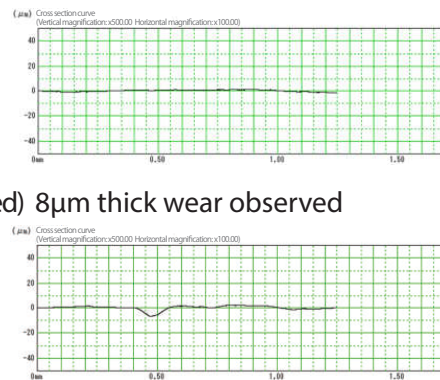
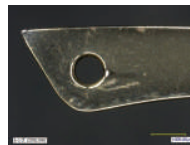
※Steel material (without heat treatment): 200 HV, aluminum/copper: 80 to 100 HV

| Wear Test of Thread Path |

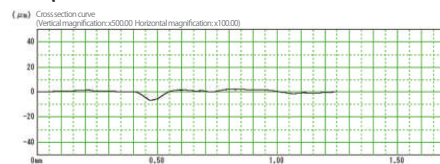
Under the conditions of thread winding speed of 2m/s and sliding distance of 200m, spun threads were impregnated with abrasive to promote wear.

● TiMoN film

No wear observed



● SCM415(carburized) 8μm thick wear observed

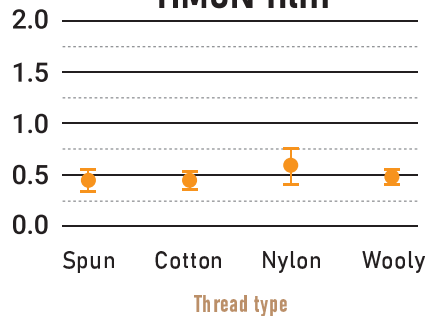


| Low Resistance |

Resistance between TiMoN film/DLC film/SCM carburized parts and 4 types of thread (spun, cotton, nylon, and wooly) measured.

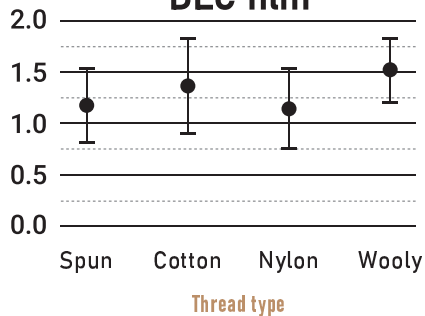
Thread threading force (N)

TiMoN film



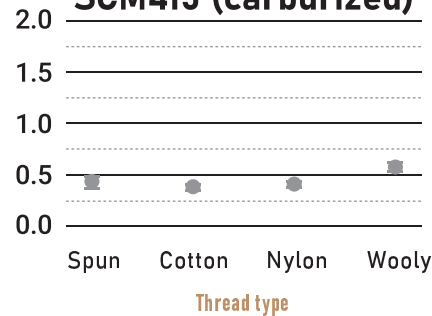
Thread threading force (N)

DLC film



Thread threading force (N)

SCM415 (carburized)



No. of TiMoN coating part	No. of standard part	Part name	Applicable model
40237550	12968509	LOOPER L	MS-1261/MS-1261M/MS-1261A
40237551	12968806	LOOPER R	MS-1261/MS-1261M/MS-1261A
40237552	12969101	LOOPER C	MS-1261/MS-1261M/MS-1261A
40237553	B2030481000	LOOPER	MH-481
40237556	13424809	LOOPER	MF-7900 Series
40237557	12120705	CHAIN LOOPER	MO-6700S-0E4/MO-6714S-BE/MO-6716S-DE4
40237559	13337902	LOOPER	MF-7500 SERIES



LOOPER 40237550



LOOPER 40237551



LOOPER 40237552



LOOPER 40237553

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