



Price List

Item No.	Description	Range	Accuracy / Uncertainty	Price (THB)	Remark	Code
Calibration Fee						
Dimensional Metrology						
1	Iodine Stabilized He-Ne laser	633 nm	5.0×10^{-11}	36,000/piece	Beat measurement method with Iodine stabilized He-Ne laser	08011 - 10101
2	Stabilized He-Ne laser	633 nm	1.0×10^{-9}	22,530/piece	Beat measurement method with Iodine stabilized He-Ne laser	08011 - 10201
		500 - 1000 nm and 1560 nm	1.0×10^{-12}	45,000	Beat measurement method with optical comb	08011 - 10202
3	Laser Interferometer (Laser Head)	633 nm	0.1×10^{-6}	22,530/piece	Beat measurement method with Iodine stabilized He-Ne laser	08011 - 10301
4	Laser	350 - 1120 nm	1.0×10^{-7}	21,280/piece	Direct measurement method by wavelength meter	08011 - 10401
5	Wavelength meter	400 - 1000 nm	1.0×10^{-6}	21,600/piece	Direct measurement method by wavelength meter	08011 - 10501
		1000 - 2000 nm	1.0×10^{-6}	21,600/piece		08011 - 10502
6	Rectangular Gauge Block, Material : Steel, Ceramic, Tungsten Carbide, Chromium Carbide.	< 125 mm	Grade K or 00	1,500/piece	Optical Interferometry method,	08021 - 10101
		< 0.5 mm		2,560/piece	Deviation from central length Measuring faces inspection without lapping. Both side wringing	08021 - 10102
7	Rectangular Gauge Block, Material : Steel, Ceramic, Tungsten Carbide, Chromium Carbide.	0.1 mm to 125 mm	Grade K or 00	1,730/piece	Optical Interferometry method, Variation in length measurement. Measuring faces inspection without lapping.	08021 - 10103
8	Rectangular Gauge Block, according to Euramet cg-2/v.02 (03/2011)	0.5 mm to 100 mm	Grade K or 00	1,500/piece	Optical Interferometry method, Deviation from central length Measuring faces inspection without lapping. Both side wringing	08021 - 10201
9	Rectangular Gauge Block, Material : Steel, Ceramic, Carbide	0.5 mm to 100 mm	Grade 0	750/piece	Comparison method, <i>Dlc</i> , Deviation from central length, Variation (<i>fo</i> , <i>fu</i>) Measuring faces inspection without lapping	08021 - 10301
		125 mm	0, 1, 2	3,030/piece		08021 - 10302
10	Rectangular Gauge Block, Material : Steel, Ceramic, Tungsten Carbide, Chromium Carbide.	0.5 mm to 100 mm	Grade K	1,905/pair	Direct Measurement by gauge block comparator, Difference in central length, variation in length and measuring face inspection without lapping.	08021 - 10303
11	Gauge Block Accessory	up to 100	As Specification	5,530/piece	Flatness and parallel measurement	08021 - 10401
12	Rectangular Gauge Block (inch), Material : Steel, Ceramic, Carbide.	0.005 inch to 4 inch	Grade 0	750/piece	Comparison method, <i>Dlc</i> , Deviation from central length, Variation (<i>fo</i> , <i>fu</i>) Measuring faces inspection without lapping	08021 - 10501
13	Long Gauge Block (Metric Rectangular, Square)	125 mm to 500 mm	Grade 0, 1, 2	3,380/piece	Comparison Method, <i>Dlc</i> , Deviation from central length, Variation (<i>fo</i> , <i>fu</i>) Measuring faces inspection without lapping.	08021 - 10601
		600 mm to 1000 mm	Grade 0,1, 2	6,750/piece		08021 - 10603
14	Length Bar	5 mm to 600 mm	Grade 1	3,380/piece	Comparison Method, <i>Dlc</i> , Deviation from central length, Variation (<i>fo</i> , <i>fu</i>) Measuring faces inspection.	08021 - 10701
			Grade 2	3,380/piece		08021 - 10702
	Ball Bar / Nest Bar	Length up to 800 mm	1.2 μ m	3,780	Comparative method with laser interferometer	08021 - 10703
15	Long Gauge Block Material : Steel	125 mm to 500 mm	Grade K or 00	8,100/piece	Optical Interferometry method, Deviation from central length Measuring faces inspection and lapping. Both side wringing	08021 - 10801
		600 mm to 1000 mm	Grade K or 00	12,000/piece		08021 - 10802
16	Thermal expansion coefficient of long gauge block	150 to 1000 mm	Grade K or 00	18,000	Laser interferometer	08021 - 10901



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17	Square Gauge Block	Up to 100 mm	Grade K	1,730/piece	Optical Interferometry method,	08021 - 11001
	Material : Steel				Deviation from central length Measuring faces inspection without lapping. Both side wringing	
18	Autocollimator (Analog, Digital)	± 1000"	0.2"	15,030/piece	Calibration by standard autocollimator	08031 - 10101
		± 1000"	0.11"	18,000/piece	Calibration by self calibration rotary encoder system	08031 - 10102
19	Rotary Encoder	0 - 360 degree	0.05"	24,000/piece	Calibration by self calibration rotray encoder system	08031 - 10201
20	Polygon	8 faces	0.2"	9,000/piece	Calibration by one autocollimator	08031 - 10301
		12 faces		11,250/piece		08031 - 10302
		36 faces		18,000/piece		08031 - 10303
		72 faces		45,000/piece		08031 - 10304
		8 faces	0.34"	6,750/piece	Calibration by two autocollimator	08031 - 10305
		12 faces		8,440/piece		08031 - 10306
		36 faces		13,500/piece		08031 - 10307
		72 faces		31,530/piece		08031 - 10308
		8 to 72 faces	0.1"	18,000/piece	Calibration by self calibration rotray encoder system	08031 - 10309
		21	Angle Gauge Block	up to 90°	0.21"	2,500/piece
22	Indexing Table	0° to 360°	0.2"	9,000/piece	Cal. by polygon 8 and 12 faces	08031 - 10501
			0.16"	15,000/piece	Calibration by self calibration rotray encoder system	08031 - 10502
23	Electronic Inclinometer	±1000" or 4,85 mm/m	0.3" or 1.7 μm/m	7,030/piece	Calibration by autocollimator	08031 - 10901
	Electronic Level	-50° to 50°	2'	4,210/piece	Calibration by rotary encorder	08030 - 10902
	Electronic Inclinometer	±4000" or 20 mm/m	0.29" or 1.4 mm/m	10,000/piece	Calibration by rotary encorder	08031 - 10903
24	Cylindrical Square	Up to 600 mm	2 μm+ 6.0x10 ⁻⁶ l	6,530/piece	Comparison method with Standard square	08031 - 11101
25	Standard Square	Up to 600 mm	0.4 μm+ 2.4x10 ⁻⁶ l	4,500/piece		08031 - 11201
26	Square Master	Up to 600 mm	1 μm+ 7.2x10 ⁻⁶ l	4,210/piece		08031 - 11301
27	Precision Square	Up to 600 mm	1 μm+ 7.2x10 ⁻⁶ l	3,360/piece	Calibration by Master Square & Gauge Blocks	08031 - 11401
28	Straight Parallel	2 faces	0.6 μm + 6.0x10 ⁻⁶ l	3,380/piece	Calibration straighness measuring machine	08031 - 11801
		4 faces		6,750/piece		08031 - 11802
29	Small Angle Generator	Up to 1000 mm	0.6 μm + 6.0x10 ⁻⁶ l	5,400/piece	Calibration by autocollimator	08031 - 11901
30	Sine Bar	up to 500 mm	1"	4,500/piece	Calibration by Gauge Blocks and Angle Gauge Blocks	08031 - 12001
31	Straightness Bar	up to 1000 mm	1.4 μm	5,000/meter	Calibration straighness measuring machine	08031 - 12201
32	Straightness Measuring Machine	up to 7,500 mm	1.25x10 ⁻³ l	5,000/meter	Cal. by standard autocollimator	08031 - 12202



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33	Straightness Measuring Machine and Straightness Bar	Up to 1000 mm	0.5 μm	10,000	Cal. by Reversal Method	08031-12203
34	Plain Ring Gauge	0.1 to 300 mm	$\sqrt{(0.37)^2 + (1.3 \times 10^{-3} \cdot d)^2} \mu\text{m}$	2,410/piece		08041 - 10101
35	Plain Ring Gauge	0.5 mm to 100 mm	$\sqrt{(0.25)^2 + (1.8 \times 10^{-3} \cdot d)^2} \mu\text{m}$	4,410/piece	Measurement by using Setting Ring Gauge and Universal Length Measurement Machine	08041 - 10102
		100 to 300 mm	$\sqrt{(0.25)^2 + (1.8 \times 10^{-3} \cdot d)^2} \mu\text{m}$	4,410/piece	Measurement by using Setting Ring Gauge and Universal Length Measurement Machine	08041 - 10103
36	Go - No Go Plain Ring Gauge	0.1 to 300 mm	$\sqrt{(0.37)^2 + (1.3 \times 10^{-3} \cdot d)^2} \mu\text{m}$	2,410/side		08041 - 10201
37	Taper Plain Ring Gauge	1 to 300 mm	2.0 μm	2,410/piece	Cal. by Universal length measuring Machine	08041 - 10301
38	Go - No Go Taper Plain Ring Gauge	1 to 300 mm	2.0 μm	2,410/side	Cal. by Universal length measuring Machine	08041 - 10401
39	Plain Plug Gauge	0.1 to 1 mm	0.236 μm	2,410/piece	Cal. by Universal length measuring Machine	08041 - 10501
		1 to 100 mm	0.230 μm+1.43x10 ⁻⁶ d	2,410/piece		08041 - 10502
		100 to 300 mm	0.290 μm+1.81x10 ⁻⁶ d	2,410/piece		08041 - 10503
40	Go-No Go Plain Plug Gauge	0.1 to 1 mm	0.236 μm	2,410/side	Cal. by Universal length measuring Machine	08041 - 10601
		1 to 100 mm	0.23 μm+1.43x10 ⁻⁶ d			08041 - 10602
		100 to 300 mm	0.290 μm+1.81x10 ⁻⁶ d			08041 - 10603
41	Pin Gauge	0.1 to 1 mm	0.236 μm	2,410/piece	Cal. by Universal length measuring Machine	08041 - 10701
		1 to 100 mm	0.23 μm+1.43x10 ⁻⁶ d	2,410/piece		08041 - 10702
		100 to 300 mm	0.290 μm+1.81x10 ⁻⁶ d	2,410/piece		08041 - 10703
42	Master Ball	dia. Up to 300 mm	0.290 μm+1.81x10 ⁻⁶ d	2,410/piece	Cal. by Universal length measuring Machine	08041 - 10801
43	3-Wire Set	All sizes	0.23 μm+1.43x10 ⁻⁶ d	2,820/set	Cal. by Universal length measuring Machine	08041 - 10901
44	Plain Snap Gauge	All ranges	0.5 μm	2,410/piece		08041 - 11001
45	Go - No Go Plain Snap Gauge	All ranges	0.5 μm	2,410/side		08041 - 11101
46	Thread Snap Gauge	All ranges	1.5 μm	2,820/piece		08041 - 11201
47	Go - No Go Thread Snap Gauge	All ranges	1.5 μm	2,820/side		08041 - 11301
48	Flat Internal Limit Gauge	All ranges	0.5 μm	2,410/piece		08041 - 11401
49	Taper Plain Plug Gauge	1 to 300 mm	2.0 μm	2,820/piece		08041 - 11501
50	Go - No Go Taper Plain Plug Gauge	1 to 300 mm	2.0 μm	2,820/side		08041 - 11601
51	Parallel Thread Ring Gauge	from pitch 0.45 - 4 mm	1.5 μm	2,820/piece		08041 - 11701
52	Go - No Go Parallel Thread Ring Gauge	from pitch 0.45 - 4 mm	1.5 μm	2,820/side		08041 - 11801
53	Taper Thread Ring Gauge	from pitch 0.45 - 4 mm	2 μm	2,820/piece		08041 - 11901
54	Go - No Go Taper Thread Ring Gauge	from pitch 0.45 - 4 mm	2 μm	2,820/side		08041 - 12001
55	Parallel Thread Plug Gauge	from pitch 0.3 - 4 mm	1.5 μm	2,820/piece		08041 - 12101
56	Go - No Go Parallel Thread Gauge	from pitch 0.3 - 4 mm	1.5 μm	2,820/side		08041 - 12201
57	Taper Thread Plug Gauge	from pitch 0.3 - 4 mm	2 μm	2,820/piece		08041 - 12301
58	Go - No Go Taper Thread Plug Gauge	from pitch 0.3 - 4 mm	2 μm	2,820/side	08041 - 12401	



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59	Pitch of thread gauge	0 to 120 mm	2.6 μm	2,030/piece	Cal. By Contour Measuring Machine	08041 - 12501					
60	X-Axis Contour Measuring Machine	0 - 120 mm	1.6 μm	10,030/piece	Using Standard Scale	08041 - 12502					
61	Included angle of thread gauge	0-90 degree	0.06 degree	2,030/piece	Cal. By Contour Measuring Machine	08041 - 12601					
62	Height Master (analog/digital)	0 to 300 mm	0.3 μm + 3x10 ⁻⁶ l	13,500/piece	Cal. by Gauge block or Length Bar	08051 - 10101					
		0 to 600 mm		22,500/piece		08051 - 10102					
63	Check Master/ Step Gauge	0 to 300 mm	$\sqrt{(0.26)^2 + (1.4 \times 10^{-3} l)^2} \mu\text{m}$	10,660/piece	Cal. By Laser Interferometer	08051 - 10201					
		0 to 600 mm		13,160/piece		08051 - 10202					
		0 to 1000 mm		15,660/piece		08051 - 10203					
64	Gear standard Spur gear : Profile slope deviation	25 to 400 mm	1.0 to 3.0 μm	7,880/piece	Cal. by Coordinate Measuring Machine	08051 - 10301					
65	Gear standard Spur gear : Helix slope deviation	up to 45°	1.0 to 2.0 μm	7,880/piece		08051 - 10401					
66	Spur gear : Pitch	up to 400 mm	2.0 μm	7,880/piece		08051 - 10501					
67	Bevel Gear : form deviation	up to 300 mm	2.0 μm	7,880/piece		08051 - 10601					
68	Ball Plate	up to 1000 mm	$\sqrt{(0.26)^2 + (1.9 \times 10^{-3} l)^2} \mu\text{m}$	36,000/piece		08051 - 10701					
69	Depth Micro-Checker	0 to 150 mm	0.3 μm + 2.7x10 ⁻⁶ l	9,000/piece		Cal. by Laser Interferometer	08051 - 10801				
		0 to 300 mm		11,250/piece			08051 - 10802				
70	Inside Micro-Checker	0 to 300 mm	$\sqrt{(0.3)^2 + (2.7 \times 10^{-3} l)^2} \mu\text{m}$	9,000/piece	Cal. by Laser Interferometer	08051 - 10901					
		0 to 600 mm		11,910/piece		08051 - 10902					
71	Caliper Checker/ Vernier Checker	0 to 300 mm	$\sqrt{(0.3)^2 + (2.7 \times 10^{-3} l)^2} \mu\text{m}$	9,000/piece	Cal. by Laser Interferometer	08051 - 11001					
		0 to 600 mm		11,910/piece		08051 - 11002					
72	Focimeter/ Lensmeter	±25D	0.12D	7,530	Comparative method with laser interferometer	08061 - 10102					
73	Optical Flat	max. dia. 60 mm	0.02 μm	2,030/piece	Cal. by Flatness Interferometer	08061 - 10201					
		max. dia. 300 mm	0.05 μm	2,730/piece		08061 - 10202					
74	Glass Hemisphere Roundness specimen (High precision)	dia. Up to 355 mm	8+ 8R nm	11,500/piece	Error seperation technique by multistep method Soft file of measurement result charge +2500 baht/file	08061 - 10301					
75	Roundness of specimen/workpiece	dia. Up to 355 mm	11+ 11R nm	6,500/piece	Soft file of measurement result charge +2500 baht/file	08061 - 10401					
76	Cylinder/Cylindrical standard	Height up to 500 mm	0.09 μm + 1.04 x 10 ⁻⁴ H	6,280	Direct measurement with roundness measuring machine	08061-10402					
							Diameter up 300 mm	$\sqrt{(42)^2 + (0.91 \bullet l)^2} \text{ nm}$	7,530	Direct measurement by roundness measuring instrument based on reversal method	08061 - 10403
77	Roughness Standard (Type A), Step Height	25 nm to 32 μm	7+12Z _m nm	5,030/step	Z _m being the measured value by contract measurement	08061 - 10501					
		10 nm to 10 μm	2.4+5.4Z _m nm	6,280/step	Z _m being the measured value by non- contract measurement	08061 - 10502					



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78	Roughness Standard (Type C or Type D), Roughness Specimen	Amplitude parameter: 25 nm to 32 μm	$U(R_a)=9.6+11.9Z_m$ nm	7,530/range	Z_m being the measured value	08061 - 10601
			$U(R_z)=17.7+16.7Z_m$ nm			
		Spacing parameter: 20 mm	$U(R_{sm}) = 0.6 \mu m$			
79	Step height / depth standard	1 nm to 100 nm	0.43 nm	7,530/piece	Measurement by Metrological Nanomeasuring and Nanopositioning Machine	08061 - 10901
80	Pitch standard	0.1 μm to 100 μm	3.70 nm	7,530/piece		08061 - 11001
81	Radius of curvature	up to 50 mm	$\sqrt{(0.57)^2 + (1.6 \cdot 10^{-2} \cdot l)^2} \mu m$	2,530	Cal. by Fizeau interferometer	08061 - 11101
82	Sphericity and form error of spherical part	400 mm	≥ 23 nm	7,530/piece	Cal. by Fizeau interferometer	08061-11102
83	Focal Length	400 mm	(0.87+0.47-F)	3,780/piece	Reflective Index (n) of a lens is required	08061 - 11201
84	Riser Block	0 to 150 mm	$0.3 \mu m + 3 \times 10^{-6} l$	5,660/piece	Height and Parallelism	08071 - 10101
		0 to 300 mm				08071 - 10102
		0 to 600 mm				08071 - 10103
85	Vernier Caliper	0 mm to 1000 mm	$0.01 \text{ mm} + 1.0 \times 10^{-6} l$	3,380/piece	Cal. by Gauge Block or Length Bar	08071 - 10201
		0 mm to 1500 mm		4,500/piece		08071 - 10202
		0 mm to 2000 mm		6,750/piece		08071 - 10203
86	Height Measuring Station	0 mm to 300 mm	$0.3 \mu m + 3.0 \times 10^{-6} l$	11,250/piece	Cal. by Gauge Block or Length Bar	08071 - 10301
		0 mm to 600 mm		12,600/piece		08071 - 10302
87	Height Gauge	0 mm to 1000 mm	$6 \mu m + 1.0 \times 10^{-6} l$	9,000/piece	Cal. by Gauge Block or Length Bar	08071 - 10401
88	External Micrometer	300 mm to 500 mm	$1 \mu m + 1.0 \times 10^{-6} l$	2,820/piece	Cal. by Gauge Block	08071 - 10501
		> 500 mm to 1000 mm		3,380/piece		08071 - 10502
		> 1000 mm to 2000 mm		4,500/piece		08071 - 10503
		0 mm to 25 mm	$0.08 \mu m + 3.0 \times 10^{-6} l$	3,380/piece	- Resolution : 0.1 μm	08071 - 10504
89	Setting Zero Rod	Up to 1000 mm	$0.2 \mu m + 2.3 \times 10^{-6} l$	2,030/piece	Cal. by Gauge Block	08071 - 10601
90	Micrometer Head	0 mm to 25 mm	$0.6 \mu m + 2.3 \times 10^{-6} l$	3,380/piece	Cal. by Universal Length Measuring Machine or standard linear gauge	08071 - 10701
		0 mm to 50 mm		4,500/piece		08071 - 10702
91	Calibration Tester	0 mm to 1 mm	$0.25 \mu m + 2.3 \times 10^{-6} l$	7,880/piece	Cal. by Standard linear gauge	08071 - 10801
		0 mm to 5 mm		7,880/piece		08071 - 10802
		0 mm to 50 mm	$0.2 \mu m + 2.3 \times 10^{-6} l$	9,000/piece		08071 - 10803
		0 mm to 100 mm		11,250/piece		08071 - 10804
92	Dial Gauge Tester	0 mm to 25 mm	$0.3 \mu m + 2.3 \times 10^{-6} l$	$0.6 \mu m + 2.3 \times 10^{-6} l$	Cal. by Standard linear gauge	08071 - 10901
				$0.3 \mu m + 2.3 \times 10^{-6} l$		6,750/piece
		0 mm to 50 mm		8,780/piece		08071 - 10902
		0 mm to 100 mm		10,030/piece		08071 - 10903



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93	Torsional Recovery	0 mm to 40 mm	$0.01 \mu\text{m} + 7.0 \times 10^{-6} l$	2,820/piece	Cal. by Profile projector	08071 - 11001	
	Electronic Comparator (Mu-Checker / Millitron) (Include: Probe and display unit) Analog M-Checker	5 μm	$0.06 \mu\text{m} + 7.0 \times 10^{-6} l$	4,500/piece	Request stand and Jig fixture	08071 - 11201	
		15 μm				08071 - 11202	
		50 μm				08071 - 11203	
		150 μm				08071 - 11204	
		500 μm				08071 - 11205	
		1500 μm				08071 - 11206	
94	Calibration Gauge for Seam Metal	0 to 10 mm	$0.3 \mu\text{m} + 0.42 \times 10^{-6} l$	2,530/piece		Cal. By NIMT Line scale interferometer /QV	08071 - 11301
95	Laser Hologage	0 to 10 mm	$0.04 \mu\text{m} + 2.3 \times 10^{-6} l$	11,250/piece	Cal. by Gauge Block	08071 - 11401	
		0 to 50 mm		15,750/piece		08071 - 11402	
96	Radius Gauge	All sizes	$1 \mu\text{m} + 0.53 \times 10^{-6} R$	1,910/First(450/Next piece)	Cal. by QV	08071 - 11501	
97	Pitch Gauge	All sizes	1 μm	2,250/piece	Cal. by QV	08071 - 11601	
98	Feeler Gauge	All sizes	0.8 μm	1,910/piece	Cal. by ULM/standard linear gauge	08071 - 11701	
99	Standard Foil	up to 100 μm	$0.05 \mu\text{m} + 0.41 \times 10^{-3} l$	2,250/First(450/Next piece)	Cal. by ULM/standard linear gauge	08071 - 11801	
		over 100 mm				$0.34 \text{mm} + 0.41 \times 10^{-3} l$	08071 - 11802
100	Laser Scan Micrometer (Display Unit, Measuring Unit)	Up to 100 mm	0.5 μm	11,250/piece	Cal. by Standard plug gauge	08071 - 11901	
101	Holtest / 3- point internal micrometer	Up to 100 mm	$1.5 \mu\text{m} + 1.5 \times 10^{-6} d$	2,250/piece	Cal. by Ring gauge	08071 - 12001	
102	LSM Calibration Tool	Up to 5 mm	$50.0 \mu\text{m} + 2.5 \times 10^{-6} l$	2,250/piece		08071 - 12101	
103	Arm Calibrator	All ranges	$0.01 \text{mm} + 9.5 \times 10^{-6} l$	2,820/piece	Cal. by CMM	08071 - 12201	
104	Surfacetest Step Gauge	All ranges	$0.05 \mu\text{m} + 2.3 \times 10^{-6} l$	1,130/piece	Cal. by CMM/standard linear gauge	08071 - 12301	
105	Magnification Checker	Full scale	$0.7 \mu\text{m} + 2.3 \times 10^{-6} l$	5,630/piece	Cal. by standard linear gauge	08071 - 12401	
106	Orefice Plate	Up to 1000 mm	$0.02 \mu\text{m} + 2.3 \times 10^{-6} l$	25,200/piece	Cal. by Profile projector	08071 - 12501	
107	Calibration block	V1	0.01 mm	4,500/piece	Cal. by QV	08071 - 12601	
		V2	0.01 mm	3,380/piece		08071 - 12602	
		LSW	0.01 mm	3,380/piece		08071 - 12603	
108	Objective Micrometer	0 - 1 mm	$0.5 \mu\text{m} + 2.3 \times 10^{-6} l$	2,820/piece	Cal. by Lasr interferometer/QV	08071 - 12701	
109	Test Sieve	0.020 - 125 mm	0.012 - 0.025 mm	3,800/piece	Cal. By 3D Measuring Machine, QV	08071 - 12901	
110	Standard Glass Scale	0 mm to 100 mm	$0.5 \mu\text{m} + 0.35 \times 10^{-6} l$	3,380/piece	Cal. By NIMT Line scale interferometer	08081 - 10101	
		0 mm to 300 mm		4,500/piece		08081 - 10102	
		0 mm to 300 mm		$\sqrt{(41)^2 + (100.0 \times 10^{-3} \cdot l)^2} \text{ nm}$	15,750/piece	Cal. by Line Scale Interferometer	08081 - 10103
		0 mm to 500 mm			18,000/piece		08081 - 10104
		500 mm to 1000 mm		$\sqrt{(100)^2 + (100.0 \times 10^{-3} \cdot l)^2} \text{ nm}$	22,500/piece		08081 - 10105



Price List

Item No.	Description	Range	Accuracy / Uncertainty	Price (THB)	Remark	Code	
111	Standard Metal Scale	0 mm to 1000 mm	8 μm + 2.3x10 ⁻⁶ l	4,500/piece	Cal. By NIMT Line scale interferometer	08081 - 10201	
112	Working Standard Scale	0 mm to 200 mm	0.7 μm + 2.3x10 ⁻⁶ l	3,380/piece	Cal. by Line Scale Interferometer/ Laser interferomter	08081 - 10301	
		0 mm to 500 mm	1.0 μm + 2.3x10 ⁻⁶ l	5,630/piece		08081 - 10302	
		0 mm to 600 mm	1.0 μm + 2.3x10 ⁻⁶ l	6,750/piece		08081 - 10303	
		0 mm to 1000 mm	1.0 μm + 2.3x10 ⁻⁶ l	7,880/piece		08081 - 10304	
113	Reading Scale	0 mm to 300 mm	1.0 μm + 0.35x10 ⁻⁶ l	3,380/piece	Cal. by laser interferometer	08081 - 10401	
		0 mm to 600 mm		5070/piece	Cal. by QV	08081 - 10402	
114	Calibration Grid	100-0-100 mm	2.0 μm + 2.3x10 ⁻⁶ l	4,500/piece	Cal. by QV or Laser Interferomter	08081 - 10501	
		200-0-200 mm	2.0 μm + 2.3x10 ⁻⁶ l	5,400/piece		08082 - 10502	
		300-0-300 mm	2.0 μm + 2.3x10 ⁻⁶ l	6,300/piece		Cal. by QV	08083 - 10503
		> 300 mm	2.0 μm + 2.3x10 ⁻⁶ l	10,800/piece			08084 - 10504
115	Reticle of Scale Lupe	0 to 20 mm	0.001 mm + 0.35x10 ⁻⁶ l	2,250 First (1800/Next function)	Cal. By NIMT Line scale interferometer	08081 - 10601	
116	Digimatic Scale Unit	Up to 1000 mm	0.01 mm + 2.3x10 ⁻⁶ l	4,500/piece	Cal. by laser interferometer/standard glass scale	08081 - 10701	
117	Linear Scale	Up to 1000 mm	7 μm	5,630/piece	Cal. by laser interferometer/standard glass scale	08081 - 10801	
118	Measuring Microscope	Up to 1000 mm	10 μm	6,750/piece	Cal. by laser interferometer/standard glass scale	08081 - 10901	
On-site Calibration							
119	Gauge Block Comparator	Up to 100 mm	0.032 μm	20,030/piece	Euramet cg-2/v.02 (03/2011) 11 Gauge	08021 - 30801	
120	Universal Length Measuring Machine (ULM)	Up to 1000 mm	0.05 μm + 1.2 x 10 ⁻⁶ l	20,250/piece	Comparison with gauge block	08021 - 30901	
		Up to 1000 mm	0.05 μm + 1.2 x 10 ⁻⁶ l	29,800/piece	Comparison with Laser Interferometer	08021 - 30902	
121	Profile projector	0 to 150 mm		12,530/piece	Measure in linear scale, magnification of lens, square and 7 points in angle (5°, 15°, 30°, 45°, 60°, 75°, 90°)	08071 - 30601	
122	Linear Scale	0 mm to 1000 mm	7 μm + 2.3x10 ⁻⁶ l	5,630/piece	Cal. by laser interferometer/standard glass scale	08081 - 30801	
		0 mm to 2000 mm		6,750/piece		08081 - 30802	
PT and Inter-laboratory comparison only							
123	Optical Parallel	max. dia. 60 mm	0.02 μm (F)	1,600/piece	F being Flatness	08061 - 10101	
			0.06 μm+6.48x10 ⁻⁶ l μm		P being Parallelism		
			0.23 μm+6.48x10 ⁻⁶ l μm		T being Thickness		
124	Precision Level	Full range	5 μm/m	5,630/piece	Calibration by autocollimator	08031 - 11001	
Instrument/measuring system/specimen							
125	Flatness Tester		≥ 40 nm	200,000/ea.	The flatness tester system, reference flat, software, including training	08061 - 10701	
126	Dial gauge tester Assembly and inspection	0-50 mm	-	10,800/ea.		08071 - 12801	