

 **OTTAT**® *Optoelectronic Thread Testers & Assurance Technology*

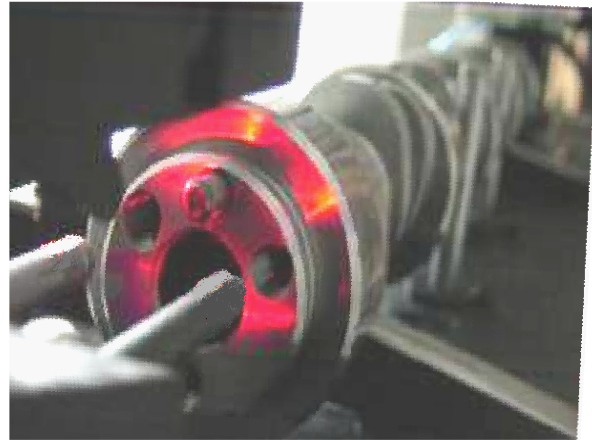
Patented “Electronic-Eye” Thread Analyzer Features:

- *Designed for high speed cycle times*
- *Optical probes to eliminate thread damage*
- *Internal / external threads detection and/or analysis*

- *Capability to read machined, casting or molded threads in:
plastic – metal – iron – wood – and any kind of material*

- *Works with: SAE, Metric or Customized Threads*

- *Wet or Dry conditions*

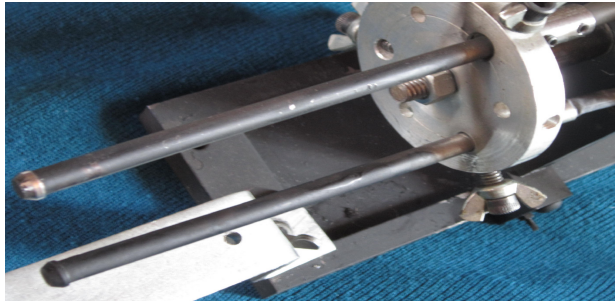


- *Single or Multi-hole capability*



- *Robust design for Lab applications and for Heavy-Duty manufacturing environments*

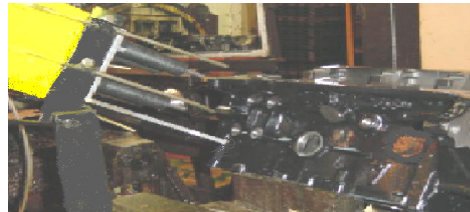




Multi-probe headers for different diameter or thread sizes

On-line applications :

- *Machining transfer lines*
- *Thread inspection stations*



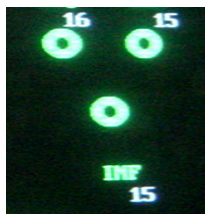
Off-line applications:

- *“Electronic-Eyes” inside machining CNC's*
- *Dedicated off-line stations*



- *Reprogrammable and Auto diagnostic controller “Opto-Control-Brain”*

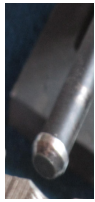
- *Standard and customized control and analysis software*



HILOS EN BRIDA / THREADS IN REAR FACE				OK/NOK
	Scan 1	Scan 2	Scan 3	
1 →	~~~~~	~~~~~	~~~~~	█
2 →	~~~~~	~~~~~	~~~~~	█
3 →	~~~~~	~~~~~	~~~~~	█
4 →	~~~~~	~~~~~	~~~~~	█
5 →	~~~~~	~~~~~	~~~~~	█
6 →	~~~~~	~~~~~	~~~~~	█
HILOS EN MARIZ / THREADS IN FRONT FACE				
Scan 1 →	~~~~~	~~~~~	~~~~~	█
Scan 2 →	~~~~~	~~~~~	~~~~~	█
Scan 3 →	~~~~~	~~~~~	~~~~~	█

PRODUCT CHART

“Metric Probes”



<i>Size</i>	<i>Max Thread Length</i>	<i>Model</i>	<i>Metal/Non-Metal</i>
M6 x 0.75	1”	EE-M6x0.75-1.00	M/NM
M6 x 1.00	1”	EE-M6x1.00-1.00	M/NM
M7 x 0.75	1”	EE-M7x0.75-1.00	M/NM
M7 x 1.00	1”	EE-M7x1.00-1.00	M/NM
M8 x 1.0	1”	EE-M8x1.0-1.00	M/NM
M8 x 1.25	1”	EE-M8x1.25-1.00	M/NM
M10 x 1.00	1 1/2”	EE-M10x1.00-1.50	M/NM
M10 x 1.25	1 1/2”	EE-M10x1.25-1.50	M/NM
M10 x 1.50	1 1/2”	EE-M10x1.50-1.50	M/NM
M12 x 1.00	1 1/2”	EE-M12x1.00-1.50	M/NM
M12 x 1.25	1 1/2”	EE-M12x1.25-1.50	M/NM
M12 x 1.75	1 1/2”	EE-M12x1.75-1.50	M/NM

BIGGER THREAD SIZES CAN BE BUILT UNDER CUSTOMIZED ORDERS

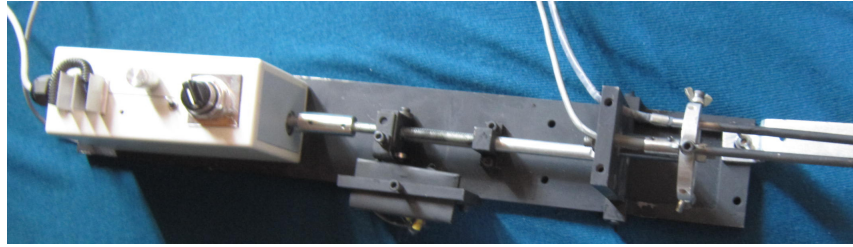
“Standard SAE Probes”



<i>Size</i>	<i>Max Thread Length</i>	<i>Model</i>	<i>Metal/Non-Metal</i>
1/4”- 20	1”	EE-1/4”x20-1.00	M/NM
1/4”- 28	1”	EE-1/4”x28-1.00	M/NM
5/16” - 28	1”	EE- 7/16”x 28-1.00	M/NM
5/16” - 36	1”	EE- 7/16”x 36-1.00	M/NM
3/8” x 24	1 1/2”	EE-3/8”x24-1.00	M/NM
3/8” x 32	1 1/2”	EE-3/8”x32-1.00	M/NM
7/16” - 28	1 1/2”	EE- 7/16”x 28-1.50	M/NM
7/16” - 36	1 1/2”	EE- 7/16”x 36-1.50	M/NM
1/2” - 28	1 1/2”	EE- 1/2”x 28-1.50	M/NM
1/2” - 36	1 1/2”	EE- 1/2”x 36-1.50	M/NM

BIGGER THREAD SIZES CAN BE BUILT UNDER CUSTOMIZED ORDERS

“Standard Lab Manually Activated Variable Speed Scanner”
(No probes included)



Size	Max Stroke	Model	Thread Range
Metric	2”	SC-M-2.00	M6 - M12
SAE	2”	SC-S-2.00	1/4” - 1/2”
CUSTOM	2” to x”	SC-C-x.xx	Custom

Note: Multi-probe Cylinder sold separately depending on customized requirements

Standard “Opto Control Brain”

Note: Inputs, Outputs, Interface Outputs and Software are not included. Sold separately “built-in” the Brain and are quoted according customer application.

<i>Model</i>	<i>Max Probes Qty</i>	<i>Number of probes</i>	<i>Voltage Requirements</i>
OCB-8-120-1	8	1	120 Vac
OCB-8-120-2	8	2	120 Vac
OCB-8-120-3	8	3	120 Vac
OCB-8-120-4	8	4	120 Vac
OCB-8-120-5	8	5	120 Vac
OCB-8-120-6	8	6	120 Vac
OCB-8-120-7	8	7	120 Vac
OCB-8-120-8	8	8	120 Vac

Customized “Opto Control Brain”

OCB-C16-120-X	16	1 - 16	120 Vac
OCB-C32-120-X	32	1 - 32	120 Vac

Standard “Opto Control Brain Software”

<i>Model</i>	<i>Max Probes Qty</i>	<i>Probes Qty</i>	<i>Add Number of probes to Model</i>
OCB-8-TA-S-#	8	1	OCB-8-TA-S-1 (Basic)
OCB-CTRL-S-#	8	1	OCB-8-CTRL-S-1 (customized)

Example for 3 Holes: OCB-8-TA-S-3 and OCB-CTRL-S-3 will be required for a 3 probes system