

OPTOCONTROL INDUSTRIAL

OTTAT®

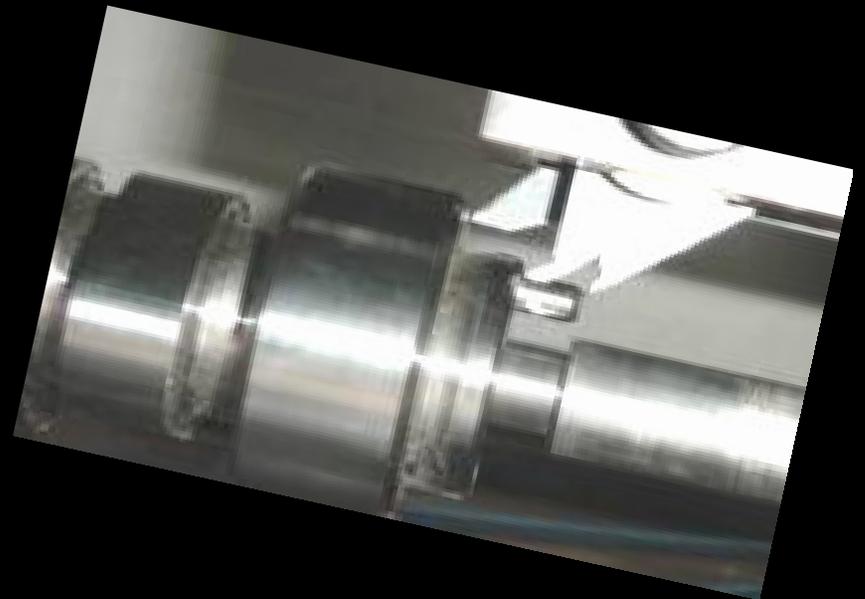
THREADCONTROL



**THREAD
ANALYZERS**

OPTOCONTROL INDUSTRIAL

Non -touch and Contact Solutions



OPTOCONTROL INDUSTRIAL PATENTED THREAD ANALYZERS



OTTAT®

THREADCONTROL

***OPTICAL THEORY FOR
THREAD ANALYSIS TECHNOLOGY***

***WE INSPECT AND ANALYZE EACH THREAD
CONDITION IN PRODUCTION LINES OR LAB
ENVIRONMENTS***

UNIQUE IN THE WORLD

*OPTOCONTROL
INDUSTRIAL*

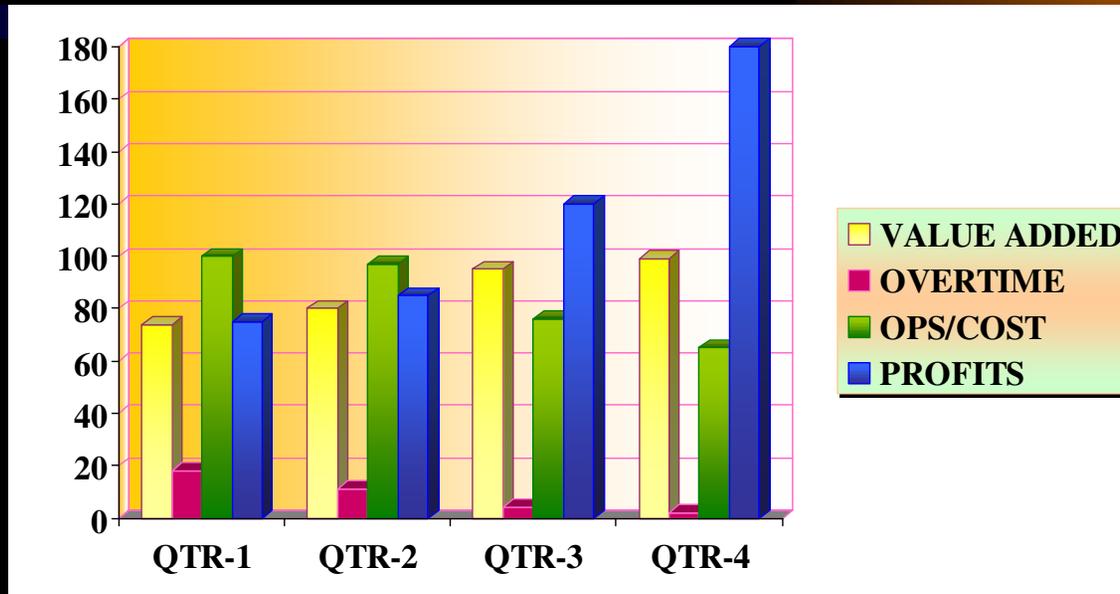
DEVELOPED AND
PATENTED THE MOST
ACCURATE
NON TOUCH OPTICAL
THREAD ANALYZER
"ELECTRONIC EYE"



BETTER THAN EDI CURRENT SYSTEMS

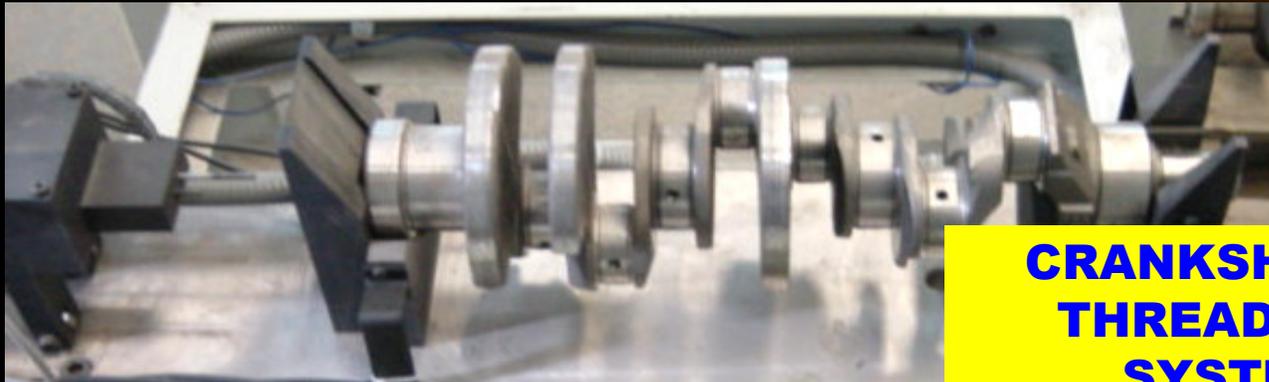
- “NON DESTRUCTIVE INSPECTION”
 - “NON TOUCH – NO DAMAGE TO THREAD DURING INSPECTION”
 - “WET or DRY CONDITIONS”
 - “FOR CONDUCTIVE OR NON CONDUCTIVE MATERIALS LIKE:
- PLASTICS, WOOD, PAPER, CARBON FIBERS, RUBBER, GLASS, ETC.

PRODUCTION OPTIMIZATION BENEFITS



**ANALYZES 5 TO 20 TIMES FASTER
THAN ANY OTHER METHOD**

MULTIPLE HOLE ANALYZERS



**CRANKSHAFT MULTI-
THREAD ANALYSIS
SYSTEM WITH
ROTATIONAL PROBES**



**CRANKSHAFT WITH 7
THREADED HOLES**



THREAD PRESENCE AND THREAD COUNT



**4 THREADS INSPECTION IN:
13 SECONDS CYCLE TIME WITH
ONE HEADER**

ANY MATERIAL



**ALUMINUM ENGINE OIL PAN
THREAD ANALYSIS
CAPABILITIES**

MULTIPLE CHARACTERISTICS INSPECTION GAGES



CAM SHAFT

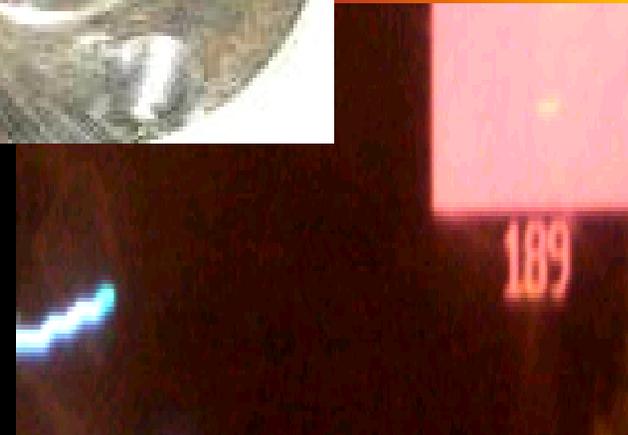
**1 MICROMETER ACCURACY INSPECTION
GAUGE PLUS OPTICAL THREAD ANALYSIS
MULTI-PRECISION GAGE**

COST OF POOR QUALITY REDUCTION

**HIGH VOLUME
PRODUCTION OR
LAB
APPLICATIONS**

**AVOID HUMAN
ERROR**

**REAL TIME
MONITORING
REDUCING OR
ELIMINATING:
COST OF POOR
QUALITY**



**REJECTED
THREAD SHOWN
HOLE 189**

SYSTEM FEATURES

- NON CONTACT PROBES
- CAPABILITY TO SEE INITIAL CHAMFER, THREAD AND HOLE END SHAPE
- HOLE DEPTH & DIAMETER
- ANGLE MEASUREMENT
- STANDARD, METRIC OR CUSTOMIZED THREADS
- CHECKS INTERNAL OR EXTERNAL THREADS
- INTERCHANGEABLE PROBES
- COUNTS THREADS
- DETECTS ON ANY MATERIAL
- CAPABILITY TO INTERFACE WITH ANY STANDARD CONTROLLER

CUSTOMIZED ANALYZER SOFTWARE

The screenshot displays two sections of a software interface. The top section is titled "HILOS EN BRIDA / THREADS IN REAR FACE" and contains a table with 6 rows and 4 columns. The columns are labeled "Scan 1", "Scan 2", "Scan 3", and "OK/NOX". Each row is numbered 1 through 6. The "Scan 1", "Scan 2", and "Scan 3" columns contain wavy patterns representing thread analysis. The "OK/NOX" column contains green bars. The bottom section is titled "HILOS EN BRIDA / THREADS IN FRONT FACE" and contains a table with 3 rows and 2 columns. The columns are labeled "Scan 1" and "OK/NOX". Each row is labeled "Scan 1", "Scan 2", and "Scan 3". The "Scan 1" column contains wavy patterns, and the "OK/NOX" column contains green bars.

HILOS EN BRIDA / THREADS IN REAR FACE				
	Scan 1	Scan 2	Scan 3	OK/NOX
1	~~~~~	~~~~~	~~~~~	█
2	~~~~~	~~~~~	~~~~~	█
3	~~~~~	~~~~~	~~~~~	█
4	~~~~~	~~~~~	~~~~~	█
5	~~~~~	~~~~~	~~~~~	█
6	~~~~~	~~~~~	~~~~~	█

HILOS EN BRIDA / THREADS IN FRONT FACE		
Scan	OK/NOX	
Scan 1	~~~~~	█
Scan 2	~~~~~	█
Scan 3	~~~~~	█

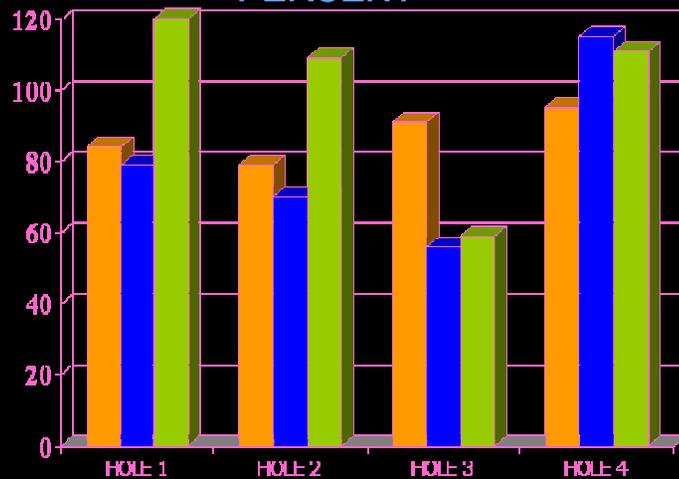
- FRIENDLY SCREEN
- REPROGRAMMABLE SCANNING
- DOUBLE CHECK OPTION
- AUTO DIAGNOSTIC

THREAD CHARACTERISTICS

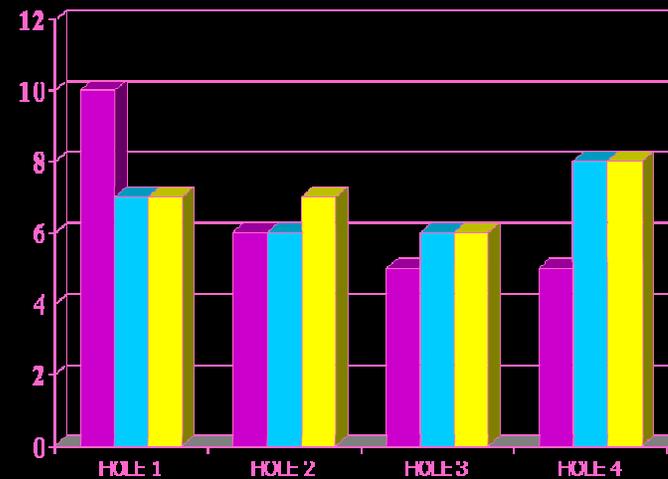
Optocontrol Industrial S.A.
PoloKolo O T T A T CIGOMAL

BRIDA									
TH	HI	DTAK	PAKOK	HI	DTAK	PAKOK	HI	DTAK	PAKOK
0	0	84	30	0	73	7	0	x122	7
0	0	79	6	0	70	6	0	x189	7
0	0	51	5	0	56	6	0	59	6
0	0	70	5	0	x115	0	0	x113	0

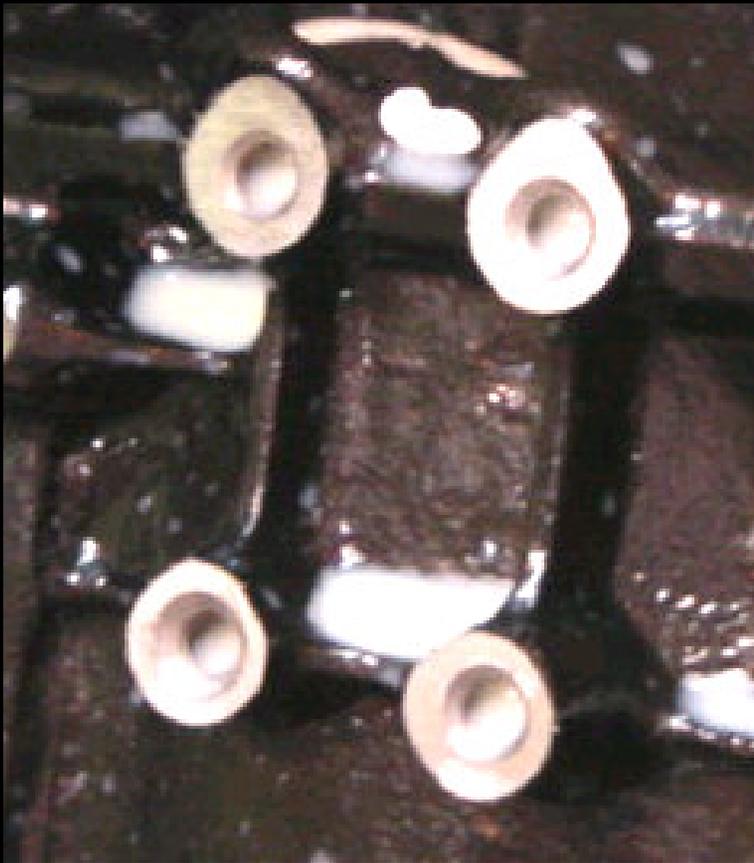
THREAD PERCENT



DISTANCE BETWEEN THREADS

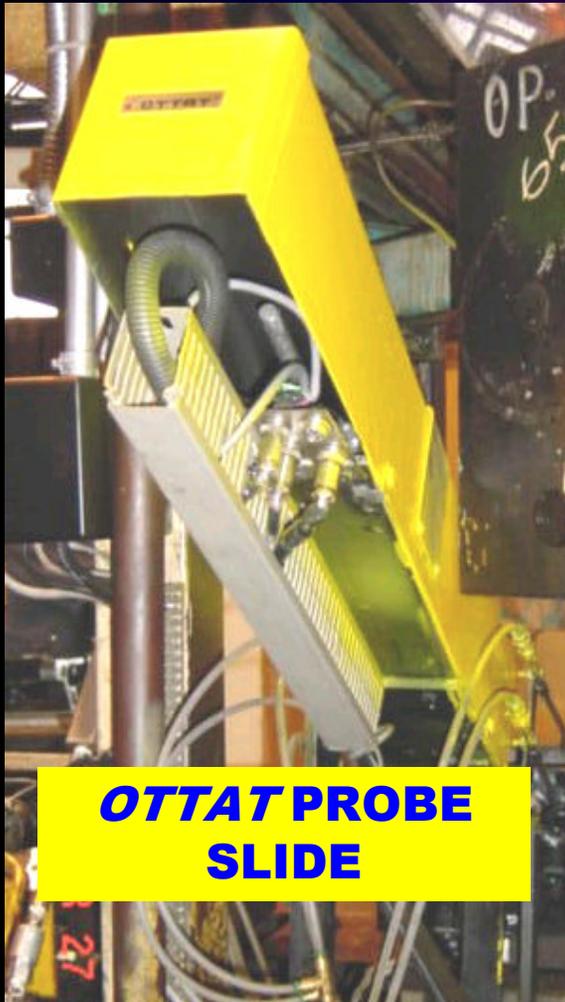


IS COOLANT AN ISSUE ?



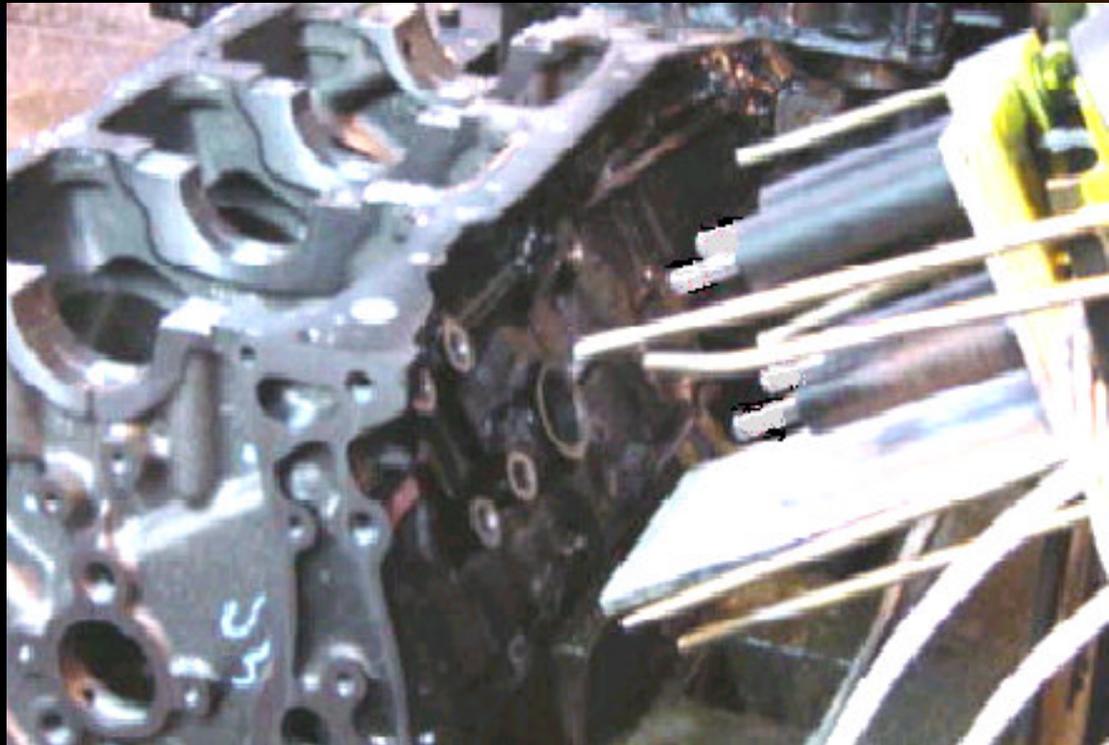
- OUR ***OTTAT*** SYSTEM CAN READ UNDER WET CONDITIONS

OTTAT PROBE SLIDE INCLUDING CUSTOMIZED DESIGN



- OTTAT POWERED SLIDE FOR PROBES SENSING INTO THE HOLES
- THE OTTAT MACHINE CYCLE TIME IS ADJUSTED ACCORDING TO THE AMOUNT OF HOLES TO INSPECT AND TO THE CUSTOMER REQUIREMENTS
- CONFIRMATION CYCLE CAN BE PROGRAMMED TO CHECK REJECTS AS NEEDED

DESIGN FLEXIBILITY



**GENERAL MOTORS 3.1 AND 3.5 LTR ENGINE
BLOCK THREAD ANALYZER**

- QUICK
CHANGE
DESIGN
DEVELOP
MENTS
FOR
SIMILAR
PARTS



www.optocontrolindustrial.com

solutions@optocontrolindustrial.com

soluciones@optocontrolindustrial.com