

www.cpasrl.it

High tech inspection and sorting equipments



Company profile

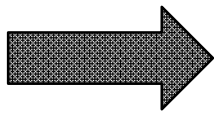
From early 80s engineers and
built

***automatic inspection and
sorting machines***

*giving a concrete and
helpful solution to its
customers.*



In-house mechanical, software and electro technical development



**MISSION : give our customer a reliable, easy-to-use and high
tech sorting and inspection solution.**

Business sites:

Urago d'Oglio (BS) – Administration offices, commercial offices and R&D department

Bornato (BS) – Plant

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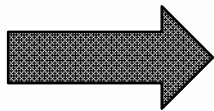


Some of our customers ...



Interesting areas:

- Automotive
- Aerospace
- Shipping industry
- Medical
- ...



All those Companies which grants 100% inspection over their production and are interested in quality- assurance

Our machines – *A RELIABLE PARTNER*



100 % CONTROL

**UNATTENDED
OPERATIONS**

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Fully automatic and with **touch screen**
control board – very easy to set up

MACHINE BUILT BY MODULES,
can be updated or developed according to
your current needs

**Customozied solutions: V-guides, crystal
tables, ecc.**

Standard machine range M4 – M 16
(bigger diameters upon request)

Accuracy ± 0.02 mm

Warranted speed *up to* 600 pcs /min
in continuous rotation

Capability tests

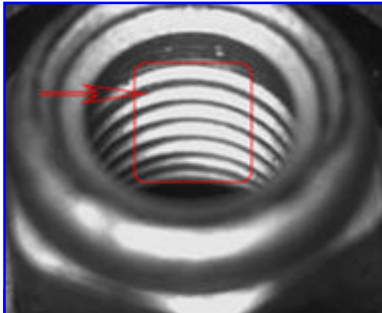
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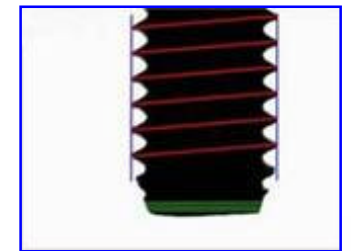
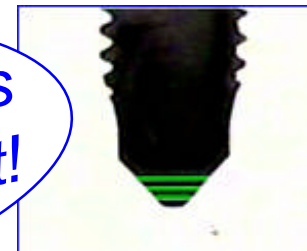
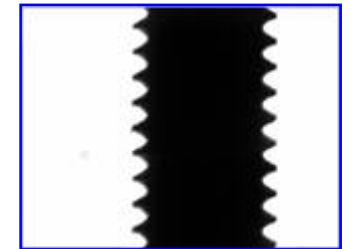
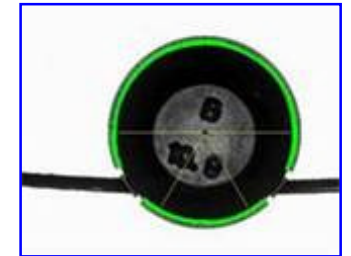
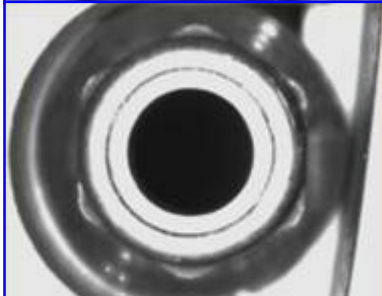
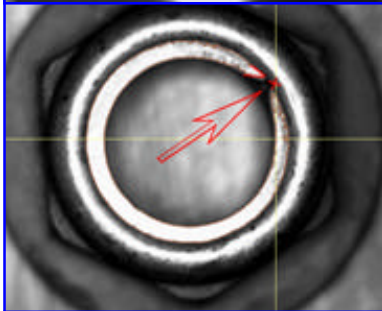
Standard Optical Measures

up to 4 high resolution cameras,
continuous rotation

600 pcs/ min



- Radiused corner inspection
- Head height, corners \emptyset , flange \emptyset
- Internal and external thread \emptyset – all forms of thread
- Pitch angle and screw pitch, helix angle, overall length, pilot point
- Open cracks on flange and on screw's head
- Internal thread presence (nuts)
- Nylon washer integrity (nuts)



... other measurements available upon request!

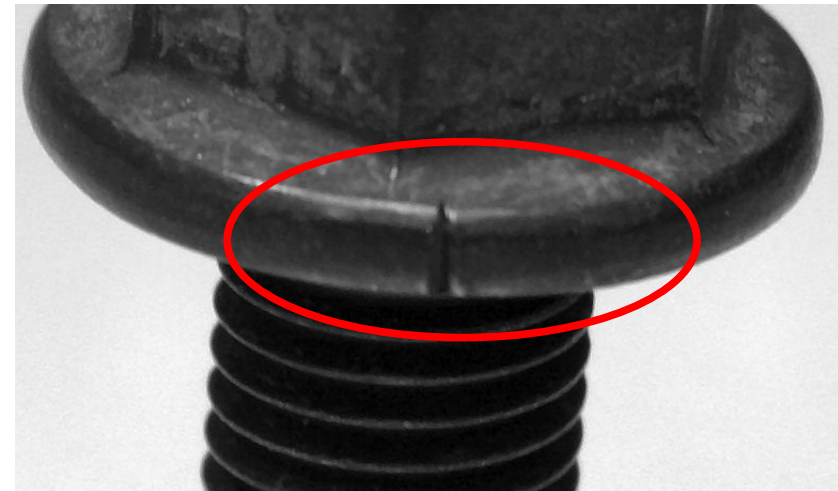
Cracks Inspection – Eddy Current , for screws and nuts!

Speed up to 220 p/min in continuous rotation

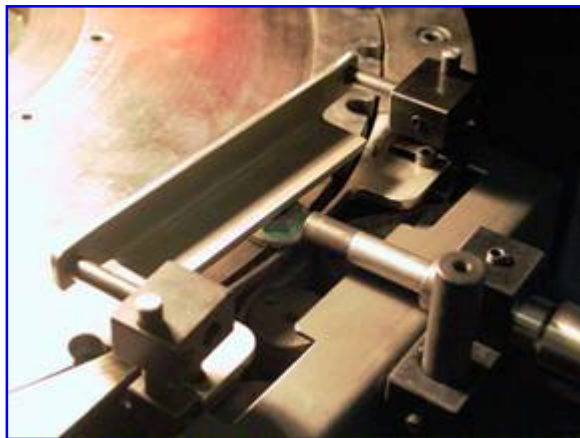
Probe moves with CPA's special mechanical chase

Detect even the smallest cracks, even on STAINLESS STEEL.

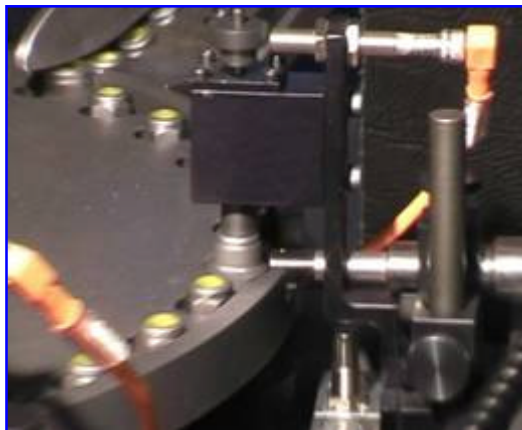
Special devices for probe protection – Easy Regulation!



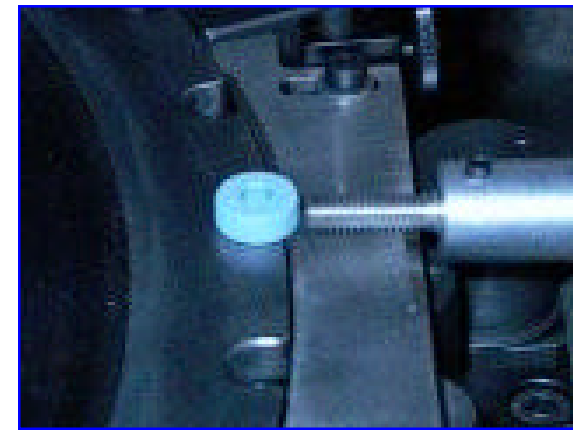
SCREWS



NUTS



STAINLESS STEEL

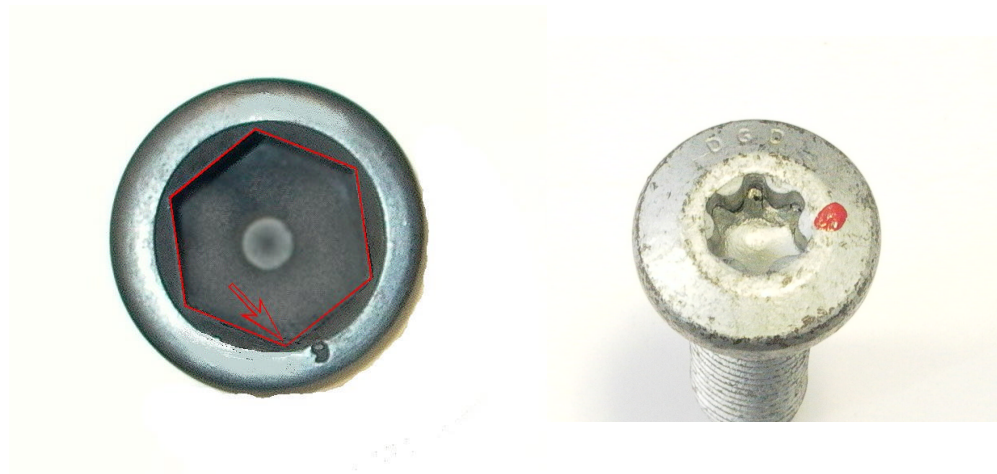
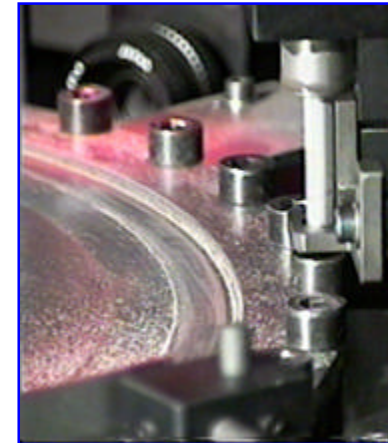


Mechanical Recess Inspection

100 % reliability - broken edges, reduced or increase key's width, recess depth

100 % simplicity - Mechanical gauge, simply change the gauge when changing type of recess (torxs, philips, hexagonal,...)

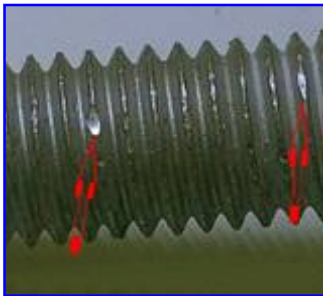
100 % productivity - Mechanical angular chase, speed up to 170 pcs /min in continuous rotation



PATENTED - Mechanical Thread Inspection

OVER 360° CONTINUOUS ROTATION WITH MEASUREMENT

Not by camera viewing, but using mechanical detection = 100% reliability



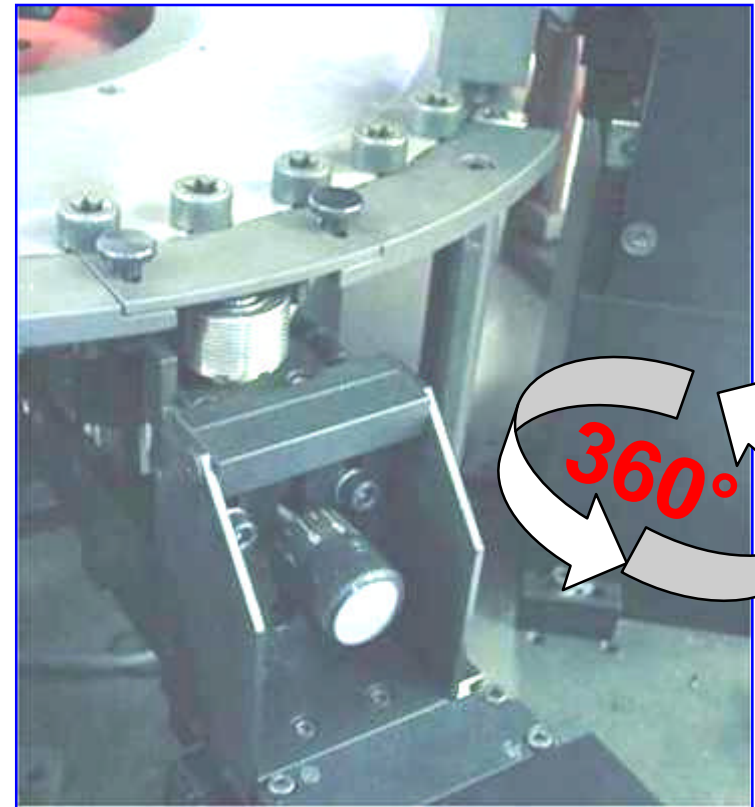
Chochs on thread



Cross thread

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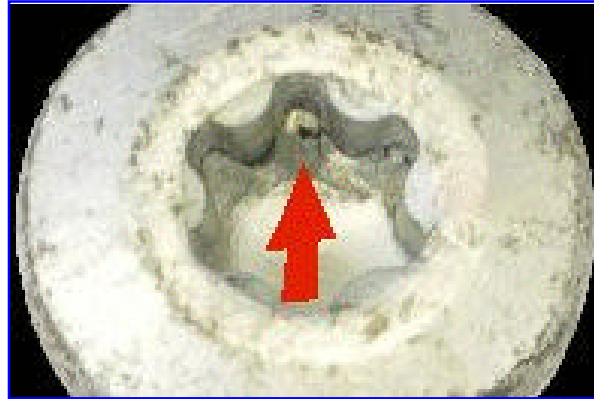
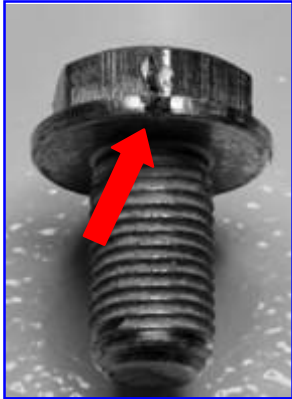
- Mechanical gauge detects thread form while rotating
- Screw turns min. 2 times (equipped with rotational control device)
- 100 % reliability
- Speed up to 150 p/min
- Patented technology
- Control in CONTINUOUS ROTATION



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Other technologies & Services



SPECIAL TESTS such as **Hardness check with Eddy Current**

or **screwing test for nuts** can be engineered by our internal technical dept. **Simply ask!**

SERVICES & FACILITIES:

Software: entirely developed by CPA engineers, very easy to set up and available in your language.

Complete solution: Feeding + Sorting + Packaging

Statistic and Protocol : Exportable data by USB key, sorted by type.

Remote Service: thanks to Ethernet connection, software can be easily updated when you need it – ASSISTANCE IN 48h in your plant.

Commercial tools: Save money with commercial calibers!