



MARPOSS

RETROFIT
your machine tool
and give a **BOOST**
to your **BOTTOM LINE!**





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Thanks to the **Marposs retrofit** services, you can install new instruments on your machine tool to make it **more efficient, modern, and productive**, with a minimum investment and maximum payback.

WHEEL BALANCING

Conditions: machine instability with high vibrations - part quality issues - need to increase wheel cutting speed - wheel life is too short - spindle requires frequent repair - need to reduce maintenance costs.

Solution: the Marposs group wheel balancer line is the best solution for continuously monitoring grinding wheel conditions and immediately compensating for any unbalancing during machine operation.

Benefits: improved mechanical stability - improved surface finish quality - increased wheel surface and cutting speed - increased quantity of parts ground - reduced load and stress on spindle bearings.



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RETROFIT RETURN on INVESTMENT

on grinder machine (*)

+ Production	+ 20 ~ 30%
- Scrap	- 95 ~ 100%
+ Wheel Life	+ 25 ~ 35%

ROI = 4 ~ 8 months

(*) evaluation model on average data

GAP & CRASH SENSOR

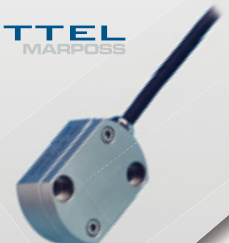
Conditions: need to shorten grinding cycle, increase grinder safety, improve dressing cycle, optimize dressing of CBN wheel, reduce grinding costs and maintenance costs.

Solution: Marposs group supplies acoustic emission sensors, for continuous process control, air gap check, wheel dressing and to prevent collisions.

Benefits: shorter cycle times - optimized wheel dressing cycle - reduced production and maintenance costs - reduced risk to catastrophic injury to operators, or damage to wheel and machine - increased safety.

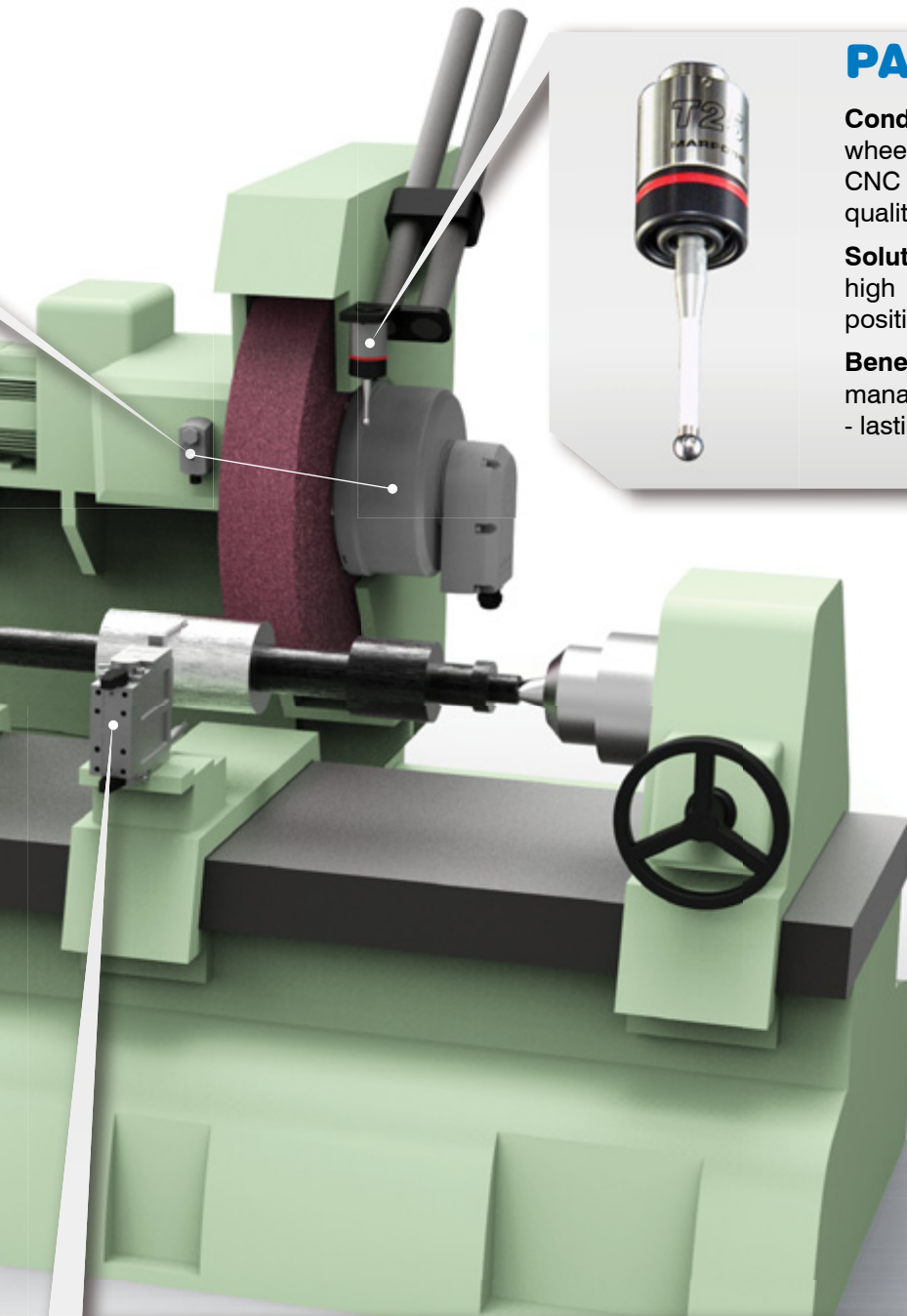
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Marposs offers a vast range of products and qualified expert support to meet all of your machine tool retrofit requirements and provide you with the following advantages:

- increased productivity and efficiency
- improved safety
- increased quality output
- reduced maintenance costs
- **lower production costs**



PART POSITIONING

Conditions: automatic setting and part or grinding wheel probing (positioning and angular timing) on CNC machines significantly improves the production quality.

Solution:  *mida* touch probe line provides high quality and accurate locating functions for part positioning applications.

Benefits: improved cycle time - automatic cycle management without operator supervisor or action - lasting productivity.

IN PROCESS MEASUREMENT

Conditions: parts with tight tolerances - wide range of applications and part types - reduce cycle time - shape error control - automatic grinding wheel wear correction - aggressive working environments.

Solution: thanks to Marposs gauge heads, connected to Marposs devices that processes and displays signals in real time, you can achieve a lot of production benefits.

Benefits: guaranteed finished part size tolerances - optimized machining times - automatic grinding wheel wear correction - automatic cycle management without operator supervision or action - lasting productivity.





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Our presence in the world

AUSTRALIA - AUSTRIA - BRAZIL - CANADA - CESHÁ REPUBLIKA - CHINA - CRNA GORA
DEUTSCHLAND - ESPAÑA - FRANCE - GREAT BRITAIN - HONG KONG - INDIA
ISRAEL - ITALIA - JAPAN - KOREA - R.O.K. - MALAYSIA - MEXICO - POLSKA
ROMANIA - RUSSIA - SCHWEIZ - SINGAPORE - SLOVENIJA
SLOVENSKA REPUBLICA - SOUTH AFRICA - SRBIJA
SVERIGE - TAIWAN - THAILAND - TÜRKIYE - U.S.A.

Get more infos.
about RETROFIT on
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Marposs has an integrated system to manage the Company quality, the environment and safety, attested by ISO 9001, ISO 14001 and OHSAS 18001 certifications. Marposs has further been qualified EAQF 94 and has obtained the Q1-Award.