

Nova Milanese, 31.03.2011

## GIVI MISURE IS READY FOR AN ABSOLUTELY INNOVATIVE 2011!!

Continuous investments in R&D and constant monitoring of market needs have led to the introduction of numerous new products.

The absolute magnetic sensor **AGM** is the first of them.

With SSI/BiSS signals, the AGM sensor is suitable for applications on fast machines. Its high performances set a new standard for the market; resolutions up to 1  $\mu\text{m}$ , repeatability of  $\pm 1$  increment, accuracy  $\pm 15 \mu\text{m}$ , speed up to 300 m/min, measuring length up to 30,000 mm and a magnetic band width of just 10 mm. Plus an extremely easy mounting, with wide alignment tolerances and a significant sensor/magnetic band distance (up to 1 mm). AGM has a very small size, it is insensible to dust and liquids (IP67) and it is protected against inversion of polarity and short circuits on output ports.

New products can be found also among the self-aligned scales, mainly used in the press-brake field. In this sector, the PBS-HR model already enjoys the appreciation of major OEMs around the world. The new models are called **MTT** (incremental version, with TTL Push-Pull or Line Driver signals) and **MTB** (absolute version, with CANopen protocol). They are based on magnetic technology, offering a good quality/price ratio. Both models offer resolutions up to 1  $\mu\text{m}$ , an accuracy of  $\pm 15 \mu\text{m}$  and a repeatability of  $\pm 1$  increment.

Absolute technology embraces also the family of optical scales.

**AGS** is the new optical scale with SSI/BiSS signals and glass measuring support, particularly suitable for applications on CNC machines. With an accuracy of  $\pm 3 \mu\text{m}$ , resolutions up to 0.1  $\mu\text{m}$  and a notable stability of signals, AGS offers high performances, even with high speeds, accelerations and vibrations.

Finally, the new absolute line **AEN58** has been introduced to complete the existing range of rotary encoders. The AEN58 line includes single and multturn models, with the most used interfaces and various flanges, to satisfy any application need.

All the products are realized in Nova Milanese (Italy) where, since 1979, Givi Misure produces optical scales, magnetic systems, digital readouts, rotary encoders and position controllers.



**RIGHE OTTICHE**  
**OPTICAL SCALES**

**SISTEMI MAGNETICI**  
**MAGNETIC SYSTEMS**

**ENCODER ROTATIVI**  
**ROTARY ENCODERS**

**VISUALIZZATORI**  
**DIGITAL READOUTS**

**POSIZIONATORI**  
**POSITION CONTROLLERS**