TML-9 : THICKNESS-MEASUREMENT METHOD

META-Automation provide Thickness/Caliper measurement of transparent or non-transparent materials such as

- Paper and Carton
- Gum
- Glass
- Textile
- Plastics
- Metals
- Nonwoven
- Construction and Building materials
- Wood

etc.

Dependent on the application LASER- or Capacitive- or Electromagnetic- sensors are employed. The sensors utilize a combination measurement and measure the distance to the material surface but also to opposite sensor –in case of two-sided measurement- or to the roll –in case of onesided measurement.
Thus any measurement-gap variations are automatically compensated.
The achieved measuring accuracy.is better than +/- 0.02 % of full scale signal for the LASER-sensors and better than +/- 0.025% of full scale signals for the capacitive sensors. For the electromagnetic sensors the achieved accuracy is +/- 0.2%.
The measurement resolution is better than 0.0015 %, 0.000075 % and 0.005 % respective.
The gauge configuration is principally depicted in Fig.1, 2 and 3.

Reg: META-Improving Technologies Ltd.
VAT No: EL 095607169
23, Ermoupoleos str., GR-185 41 Piraeus
www.meta-automation.com
Email: info@meta-automation.com

Tel: +30 210 4834 755 /+30 69 44 29 63 73
Fax: +30 210 48 34 754
NATIONAL BANK OF GREECE
BIC: ETHNGRAA
IBAN: GR 65 0110 1950 0000 1954 7060 483

TML-9: TWO SIDED LASER MEASUREMENT

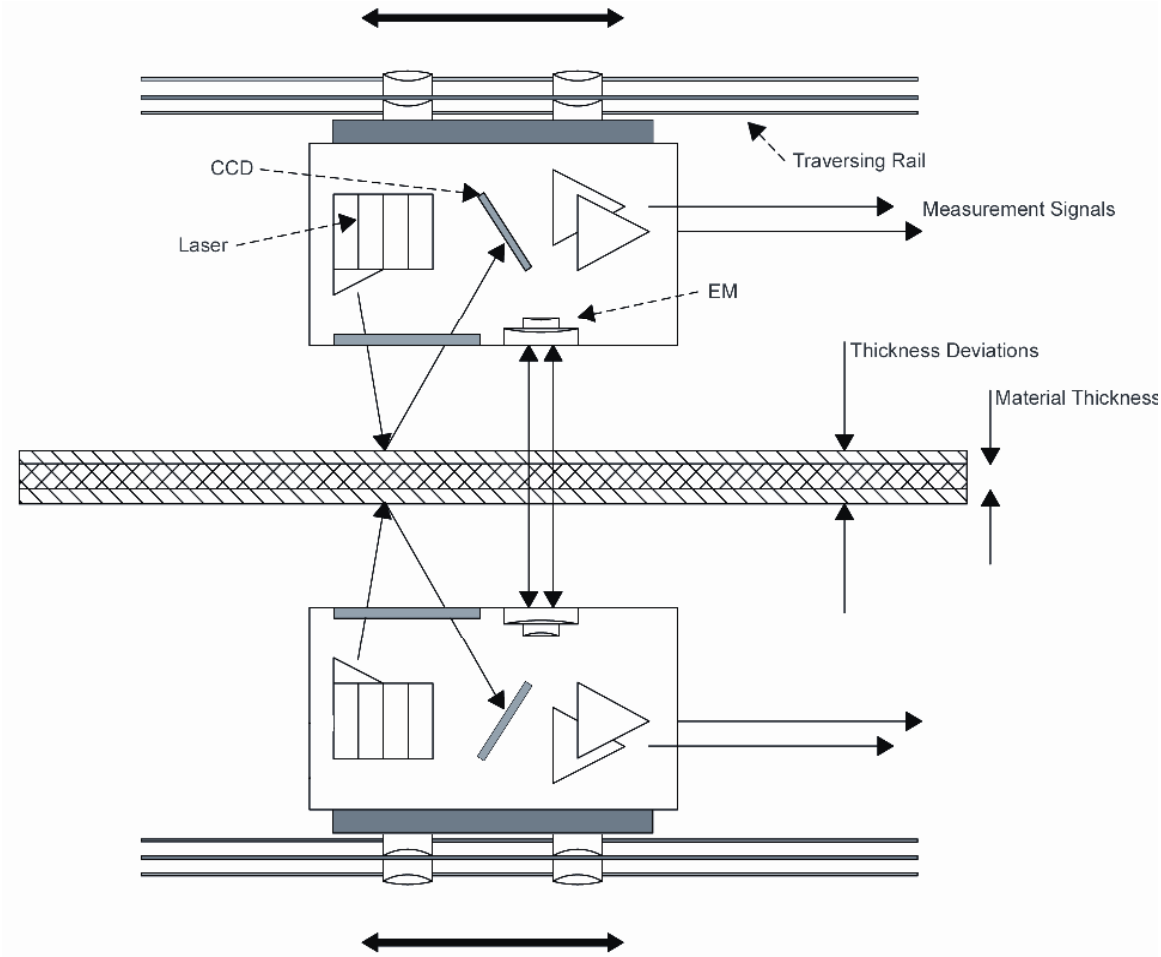

Fig.1

Reg: META-Improving Technologies Ltd.
VAT No: EL 095607169
23, Ermoupoleos str., GR-185 41 Piraeus
www.meta-automation.com
Email: info@meta-automation.com

Tel: +30 210 4834 755 /+30 69 44 29 63 73
Fax: +30 210 48 34 754
NATIONAL BANK OF GREECE
BIC: ETHNGRAA
IBAN: GR 65 0110 1950 0000 1954 7060 483

TML-9 : ONE SIDED LASER MEASUREMENT

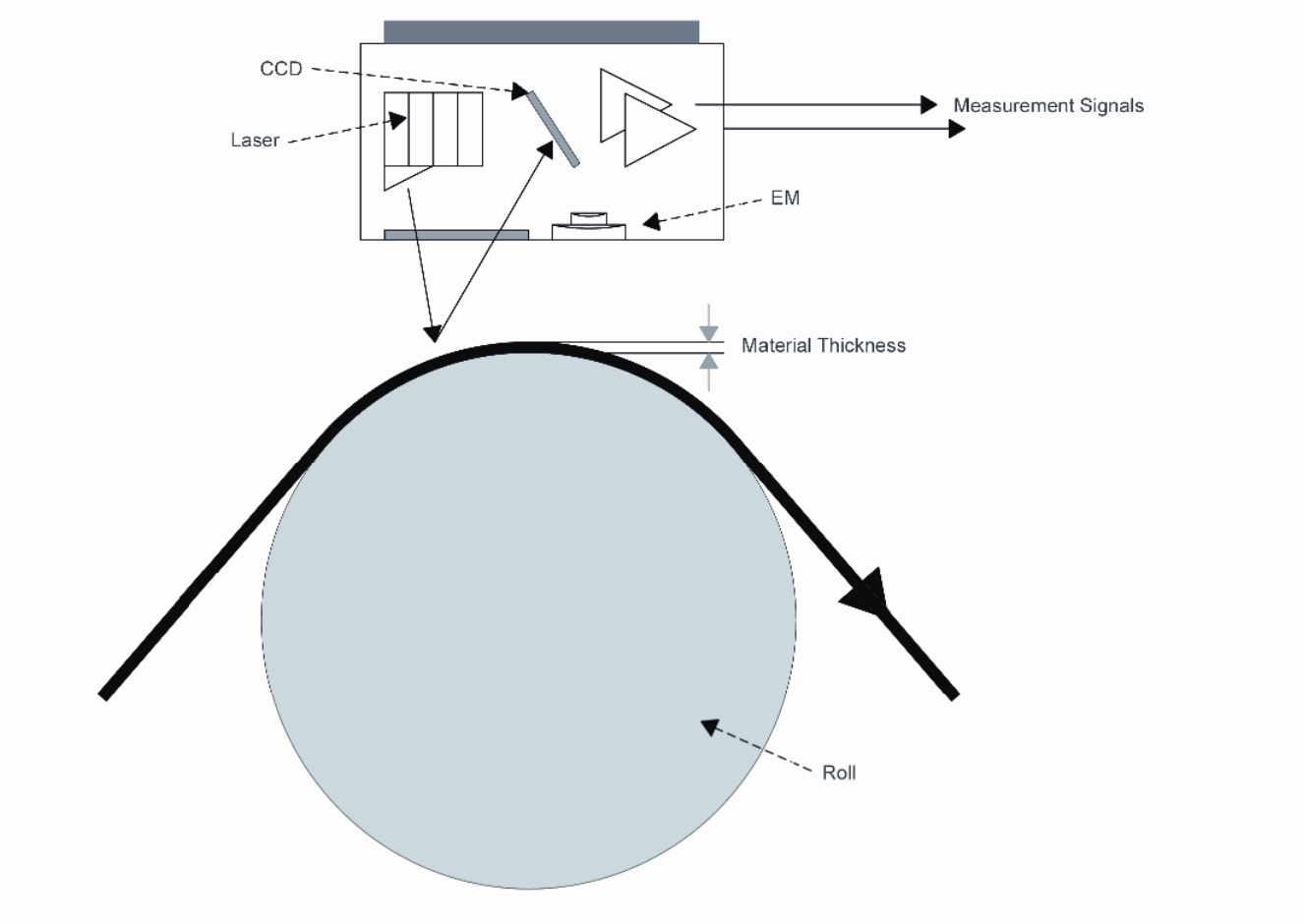

Fig.2

Reg: META-Improving Technologies Ltd.
VAT No: EL 095607169
23, Ermoupoleos str., GR-185 41 Piraeus
www.meta-automation.com
Email: info@meta-automation.com

Tel: +30 210 4834 755 /+30 69 44 29 63 73
Fax: +30 210 48 34 754
NATIONAL BANK OF GREECE
BIC: ETHNGRAA
IBAN: GR 65 0110 1950 0000 1954 7060 483

TML-9 : CAPACITIVE MEASUREMENT

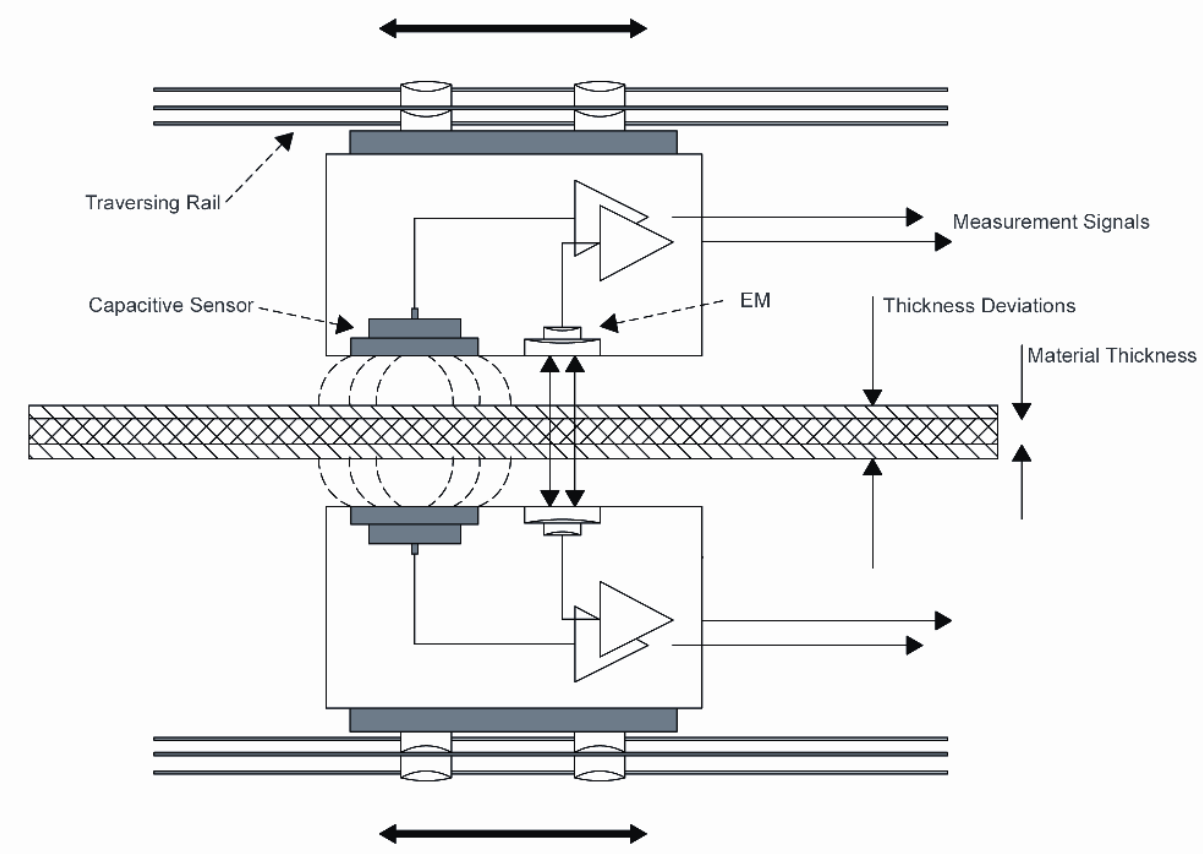

Fig.3

Reg: META-Improving Technologies Ltd.
VAT No: EL 095607169
23, Ermoupoleos str., GR-185 41 Piraeus
www.meta-automation.com
Email: info@meta-automation.com

Tel: +30 210 4834 755 /+30 69 44 29 63 73
Fax: +30 210 48 34 754
NATIONAL BANK OF GREECE
BIC: ETHNGRAA
IBAN: GR 65 0110 1950 0000 1954 7060 483