# The non-contact speed and length gauge for the metals industry

Suitable for all metals applications

World's best accuracy
<±0.03%

LaserSpeed has become synonymous with global leadership in length and speed measurement and has set the standard for accuracy and reliability for measurement within the steel industry.
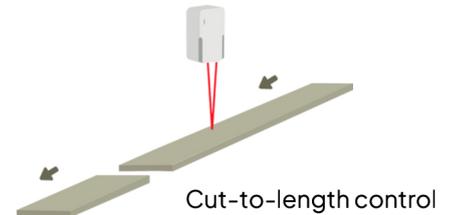
Suitable applications including continuous casters, hot and cold rolling, temper and skin pass mills, pipe, tube, bar and rod, coil and strip.
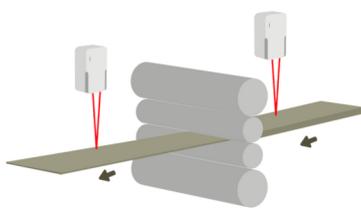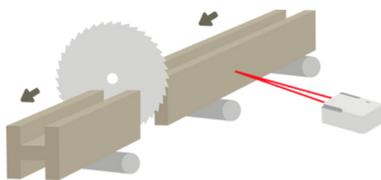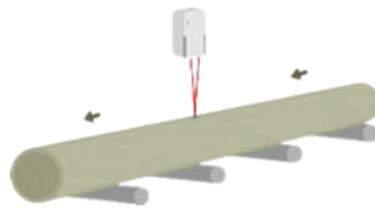

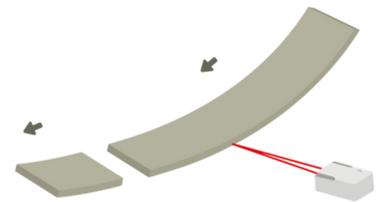Elongation measurement
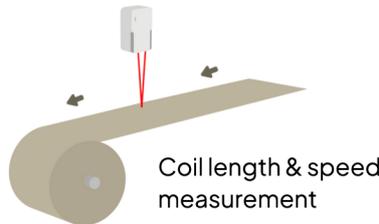
Coil length & speed measurement

Cut-to-length control

Hot section saw control

Tube length measurement

Speed & length on continuous casters
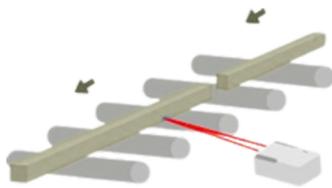
Billet or bloom length measurement

Process speed
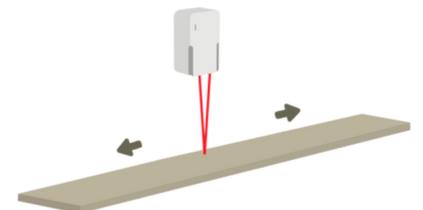
Forward/reverse positioning

LaserSpeed solution

LaserSpeed Pro provides a non-contact method to measure process speed and length and is a direct replacement of existing contact rollers and rotary encoders to improve accuracy and reliability of in-process measurement. A wide range of product models, accessories and options are available making it suitable for all applications found within the metals industry. Rugged 'mill worthy' design ensures high accuracy and long term dependable measurement.

LaserSpeed® Pro

**Rugged Service Life
3-year diode warranty**

Most accurate gauge available today

The LaserSpeed Pro models are the most accurate gauges available on the market today delivering an accuracy of better than ±0.03% and repeatability of ±0.02% on any material irrespective of the surface properties.

LaserSpeed Pro Gauge

X Housing

Industry 4.0 connectivity

Accuracy: <±0.03% of reading	Quadrature pulse output 1 – 250kHz max	Modbus TCP
Repeatability: ±0.02%	Quadrature pulse output 2 - 5 MHz max	EtherNet/IP
Measuring rate: LS8500: 50,000/sec	Serial RS232 – speed, length QF & Status	Profinet I/O
Measuring rate: LS9500: 100,000/sec	Serial RS432 – speed, length QF & Status	ProfiBus DP
Protection class: IP67	Ethernet UDP/TCP/IP – speed, length QF & Status	SSI
Laser class: 3B	Analogue 0-2 V – Speed or QF or Temp	

Benefits of LaserSpeed

E Housing

- ◆ Improves accuracy and repeatability compared with encoders
- ◆ No moving parts to wear out
- ◆ Measures accurately on all surfaces

Specification

LaserSpeed model	Stand off (mm)	Depth of field (mm)	Speed range (m/min)
LS8500-403 LS9500-403	300	35	0.4 – 4000 0… ±4000
LS8500-406 LS9500-406	600	50	0.8 – 8000 0… ±8000
LS9500-410	1000	100	0… ±12000
LS9500-415	1500	200	0… ±19000
LS9500-425	2000	200	0… ±20000
LS9500-425	2500	200	0… ±20000
LS9500-430	3000	200	0… ±20000

Control Metrix

Follow us on in
control-metrix.com

Control Metrix Ltd
Technology House
Unit 3L Westpark 26
Wellington, Somerset
TA21 9AD United Kingdom

Tel: +44 (0) 1823 761 309
sales@control-metrix.com

Official LaserSpeed distributor UK & Ireland

SafeContractor APPROVED

QAS International
ISO 9001:2015
REGISTERED COMPANY

Measurement Excellence