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.

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

Suitable for all metals applications

World’s best accuracy <±0.03%

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 solution
### 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 or temperature.

### Industry 4.0 connectivity

- Quadrature pulse output 1 – 250 kHz max
- Quadrature pulse output 2 – 5 MHz max
- Serial RS232 – speed, length QF & Status
- Serial RS432 – speed, length QF & Status
- Ethernet UDP/TCP/IP - speed, length QF & Status
- Analogue 0-2 V – Speed or QF or Temp
- Modbus TCP
- EtherNet/IP
- Profinet I/O
- ProfiBus DP
- SSI

### Specification

<table>
<thead>
<tr>
<th>LaserSpeed model</th>
<th>Stand off (mm)</th>
<th>Depth of field (mm)</th>
<th>Speed range (m/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS8500-403</td>
<td>300</td>
<td>35</td>
<td>0.4 – 4000</td>
</tr>
<tr>
<td>LS9500-403</td>
<td>600</td>
<td>50</td>
<td>0.8 – 8000</td>
</tr>
<tr>
<td>LS8500-406</td>
<td>1000</td>
<td>100</td>
<td>0.8 – 8000</td>
</tr>
<tr>
<td>LS9500-406</td>
<td>1500</td>
<td>200</td>
<td>0.8 – 19000</td>
</tr>
<tr>
<td>LS9500-410</td>
<td>2000</td>
<td>200</td>
<td>0.8 – 20000</td>
</tr>
<tr>
<td>LS9500-425</td>
<td>2500</td>
<td>200</td>
<td>0.8 – 20000</td>
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<tr>
<td>LS9500-430</td>
<td>3000</td>
<td>200</td>
<td>0.8 – 20000</td>
</tr>
</tbody>
</table>

- Accuracy: <±0.03% of reading
- Repeatability: ±0.02%
- Measuring rate: LS8500: 50,000/sec
- Measuring rate: LS9500: 100,000/sec
- Protection class: IP67
- Laser class: 3B

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**LIMAB UK LTD**  
Unit 3L, Westpark 26, Wellington  
TA21 9AD, United Kingdom  
+44 (0) 1823 668 633  
sales@limab.co.uk  
www.limab.co.uk