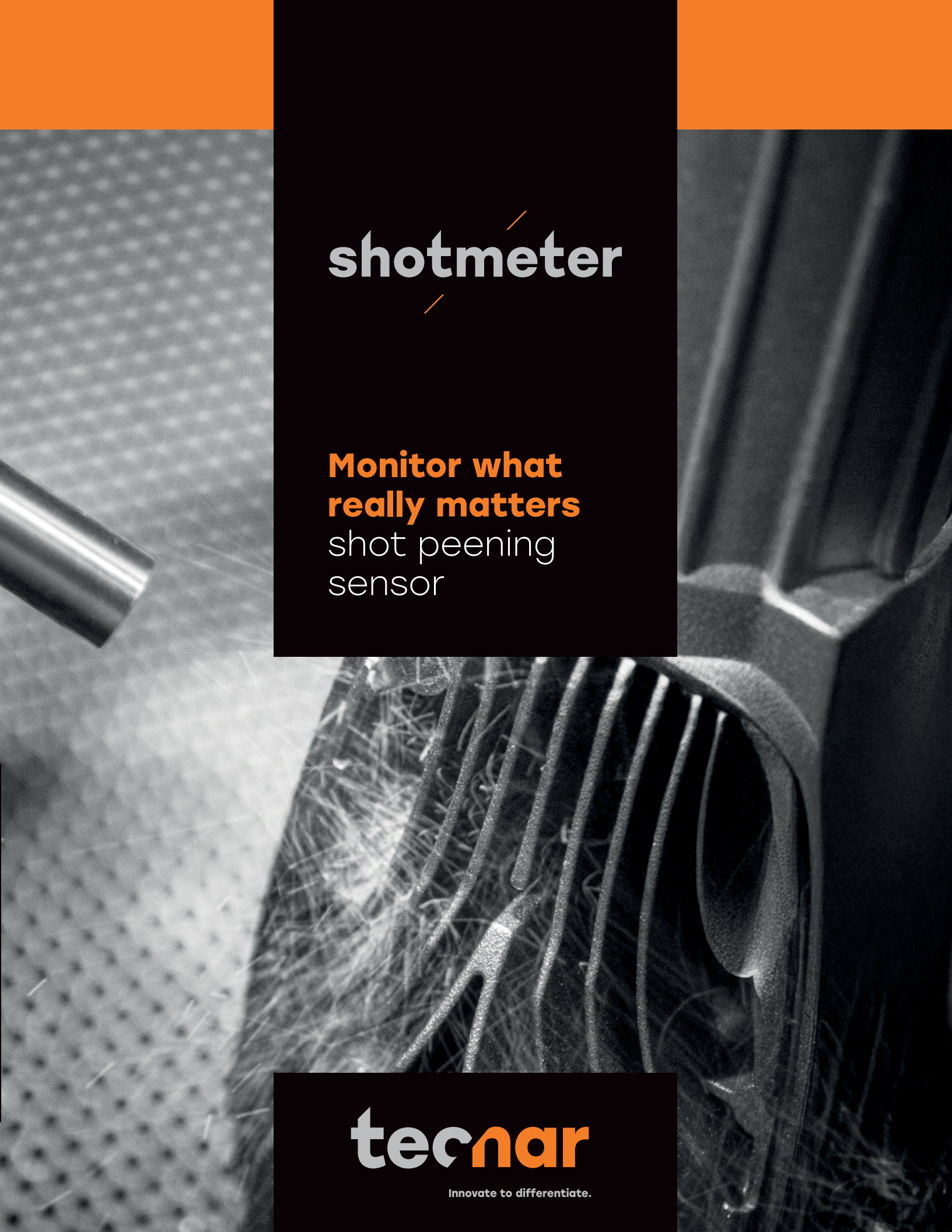


shotmeter

Monitor what really matters
shot peening sensor

tecnar

Innovate to differentiate.

Production-friendly shot peening sensor

The *Shotmeter* is an easy-to-use in-line shot peening sensor for measuring in-flight particle velocity. It monitors daily equipment status, quality control, process development and set-up transfer.

Work with the industry leader

Tecnar is a global leader in delivering cutting-edge spray sensors to the shop floor. With over 1,000 sensor heads in operation daily across more than 25 countries, we are committed to driving innovation in the industry. From the start, we have invested heavily in R&D and in understanding our clients' needs. This dedication ensures our spray sensors consistently deliver the best performance for our customers.

Why use our shot peening sensor?

- Reduced labor & handling
- Applicable to complex geometries
- Faster feedback (real-time data)
- Lower operating costs
- Easier automation & integration
- Better traceability & data logging

AMS2432E recognizes velocity sensors

SAE International's October 2022 revision of AMS2432E confirms media velocity sensors as an approved alternative to Almen strips for production part shot peening.

Easily achieve targeted intensity

Shot peening processes are sensitive to intensity, which is directly correlated with media velocity. Achieving repeatable velocity is the key to maximizing consistency. Monitoring real-time in-flight velocity can help production managers monitor and attain:

- Proper equipment calibration
- Controller process parameters
- Data files and traceability

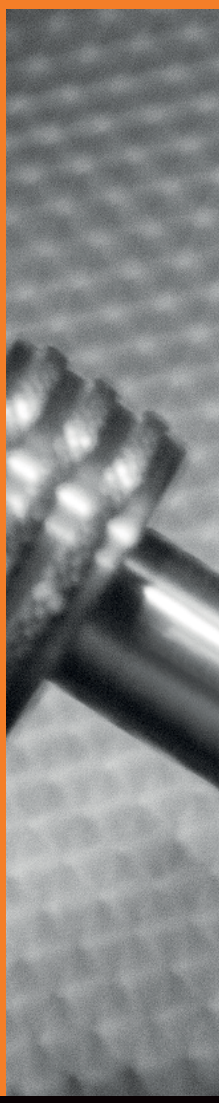
Technical specifications

Measurements	
Particle velocity range	5-200 m/s (16-656 ft/s) at 2% accuracy
Measurement area information	
Velocity measurement area	Ø3.4 mm = 9 mm² (Ø0.13 in. = 0.013 in.²)
Working distance	200 mm (7.87 in.)
Plant supplies	
Power requirements	100-120 or 200-230 VAC, 50-60 Hz Auto-Switch
Air supply	1.7-2.7 bar (25-39 psi)
Dimentions	
Sensor head	105 mm x 65 mm x 185 mm (4.1 in. x 2.6 in. x 7.3 in.) 1.6 kg (3.5 lb)
Controller	300 mm x 127 mm x 300 mm (11.8 in. x 5 in. x 11.8 in.) 6.5 kg (14.3 lb)
Total weight	12.7 kg (28 lb)

Build your intellectual property on what really counts

- **In-flight particle velocity**
- **Relative feed rate**
- **Signal quality**

earlier insight changes everything



tecnar
1021, Marie-Victorin Street
Saint-Bruno-de-Montarville Qc
Canada J3V 0M7
T +1 450 461 1221
sales@tecnar.com
spraysensors.tecnar.com

Learn more about the *Shotmeter*

"Progressive has delivered *Shotmeter* to many different customers who use it for research, process characterization and development. Many customers will use the *Shotmeter* to perform periodic machine health checks or calibrations. This data is used to set nozzle and hose change intervals as well as to verify that air pressure controllers and their closed-loop media flow controllers are still working correctly."

Jim Whalen, vice president sales and marketing
Progressive Surface