



**Visi-Trak®**  
SENSE, MONITOR, CONTROL

# True-Trak 20/20™

DIE CASTING PROCESS MONITORING

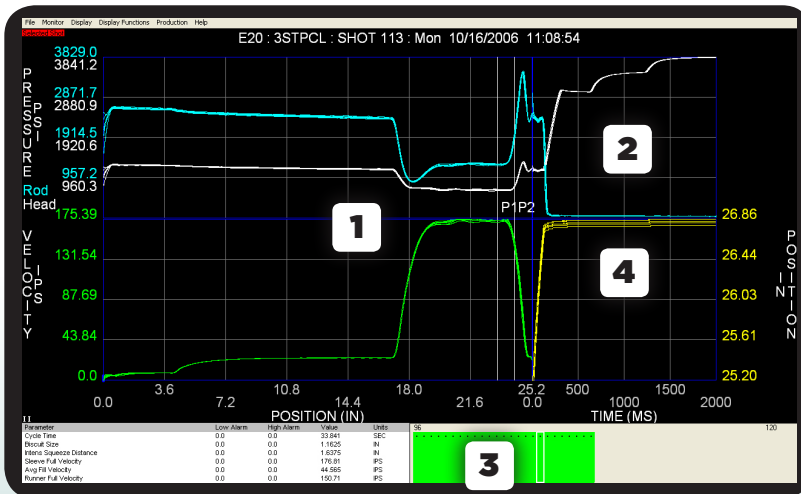
IMPROVE QUALITY, REDUCE SCRAP  
& DETERMINE MACHINE EFFICIENCY

Monitor, archive, and analyze shot data from multiple machines and give your customers the information they require. Quickly pinpoint machine problems to improve quality, reduce scrap, and determine machine efficiency.

## PROCESS MONITORING

- **Quality castings,** understand variation causes.
- **Reduce scrap & set-up time** while avoiding downtime.
- **Document machine capability** to minimize surprises.
- **Diagnose machine problems** quickly and with confidence.
- **Statistical Process Control** continuous machine monitoring.
- **Flexible & Cost Effective** systems options.

TAKE THE GUESSWORK OUT OF YOUR OPERATIONS  
MINIMIZE CASTING VARIATION & OPTIMIZE THROUGHPUT



- 1 **Shot velocity & pressures** during cavity filling phase
- 2 **Shot position & pressure** vs. time during intensification
- 3 **Online trend analysis** shot recall for last 50 shots
- 4 **Continuous shot overlay** option for variation detection

# CUSTOMER SPOTLIGHT

## PHB DIE CASTING

### GOALS

- **DEFECT PREVENTION** vs. defect detection
- **QUALITY ASSURANCE** with measurable results

### INSTALLATION

- **33 DIE CASTING MACHINES** monitored by True-Trak20/20™

### RESULTS

- **QUALITY STANDARDS** met and documented.
- **SCRAP REDUCED** with significant savings



## PROCESS MONITORING FOR DIE CASTING

# TRUE-TRAK20/20™

“Our quality assurance philosophy is based on defect prevention, not detection. Thirty-three die casting machines, from various manufacturers, are integrated on a single system that gives us **the process information we need to make the difficult castings** that comprise the bulk of our work today. **The True-Trak20/20 process monitoring system is the cornerstone of our process control system.**”



**JOE COMSTOCK**  
*Process Control Manager*  
PHB Die Casting, Fairview, Pa.