

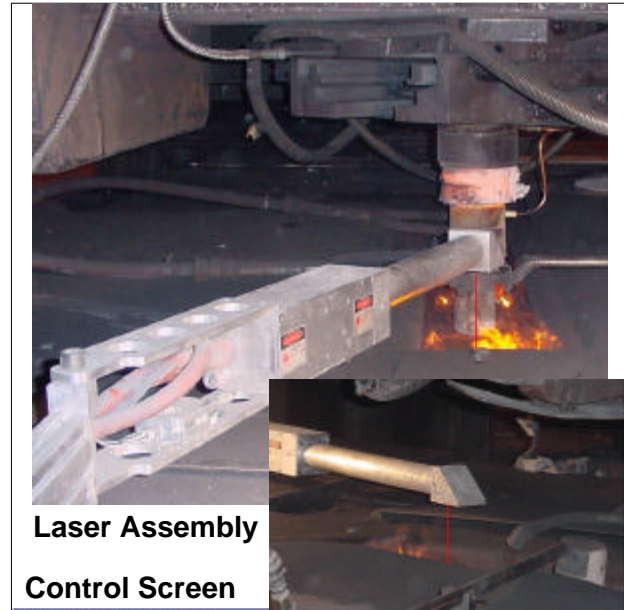
MOLD POWDER CONTROL SYSTEM

ST260 LevelSENSE

The ST260 LevelSENSE mold powder measurement and control system combines precision laser technology with Windows-based software to control electro-pneumatic flux feeding systems. Through continuous non-contact measurement, the system produces a uniform and consistent powder layer. The result is production efficiency and superior quality assurance. The hardware and control system may be configured to meet customer needs.

KEY FEATURES

- ◆ “Hands-free” powder distribution
- ◆ Superior control tolerance
- ◆ Multiple sampling points in the mold
- ◆ Biased nozzle flow compensation
- ◆ Adjustable thickness control
- ◆ Configurable alarm features
- ◆ Wireless data transfers options
- ◆ Unique hardware design



SPECIFICATIONS

Parameter	Units	ST260
Measuring Range	In	0 to 48
Laser class	Type	IIIb, 780nm visible red
Laser supply voltage	VDC	+5 (400mA @ 15V)
Laser output	Type	Serial RS422 or Current loop
Laser sample rate	Type	50kHz max., configurable
Laser operating temp	°F	0 to +113
Laser utilities	Type	Air or nitrogen
Controller	Type	Touchpanel PC, Win2000
Controller power	VAC	120
Controller cabinet size	In	16L x 16H x 8W

BENEFITS

- ◆ Reduce flux inclusions
- ◆ Provide consistent powder application
- ◆ Reduce labor intensive powder pushing
- ◆ Reduce break-out potential
- ◆ Track slab abnormalities and associate powder thickness for quality

