

Setting Master Gages

Dimensional Master Calibration

Extended Length Linear Air Bearing

ABTech inc manufactures a turnkey ultra-precision setting master gage using natural granite as the linear air bearing rail. Combined with the granite rail is a hardened steel air bearing carriage ensuring an extremely stable, reliable and low maintenance platform for setting dimensional masters.

The SMG2000 model has 80" (2000 mm) of horizontal travel with a linear glass scale and a high resolution digital readout for extremely accurate measurements. The system can be programmed with up to 16 stored linear offsets for increased accuracy covering a large range of master sizes.

A vertical setting feature provides 6" of vertical adjustment with 50 microinch resolution. Position control adjustments for both vertical and horizontal setting, a manual drive with fine adjust and a position lock makes the gage versatile and user friendly.

ABTech's complete engineering, design and manufacturing capabilities are available as a compliment to your specific industry expertise to provide a custom targeted solution.



Model #SMG2000 Gage

Features:

- Natural granite air bearing slide - no wear on gage way surfaces
- Robust hardened steel air bearing carriage
- Replaceable hardened anvils
- Ultra-smooth motion with 80" (2000mm) travel
- Extremely accurate linear scale enclosed to protect from damage
- High resolution digital readout (DRO) with 16 programmable offsets
- 6" (150mm) vertical setting feature with 50 μ " resolution
- Built in air filter/regulator assembly
- Available in different travel lengths
- Made in USA