



MORGAN STEER
ORTHOPAEDICS LIMITED

COMMITTED...

TIME HONoured DESIGNS
PROVEN PERFORMANCE



Safe, effective and easy to use

The safety, effectiveness and ease of use built into the Morgan Steer bone cement mixing and delivery systems means that the user can be confident in achieving an effortless and consistent mix every time.



to creating the perfect mix

Designed to meet the highest standards

Morgan Steer have incorporated proven mixing designs to achieve the cement mix quality that is required for a successful arthroplasty. Studies have demonstrated that mixer design can influence cement porosity as well as the amount of unmixed powder present and therefore, ultimately, cement strength¹.

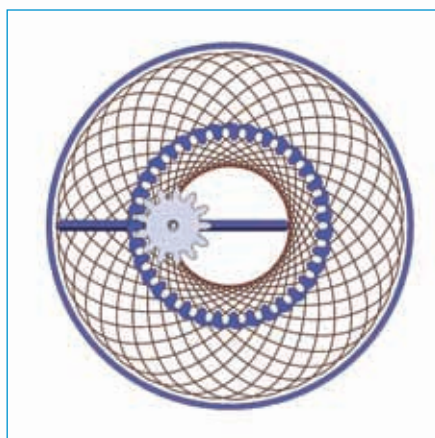


Fig.1 Rotational Axis Mixer Design - complete coverage of the bowl

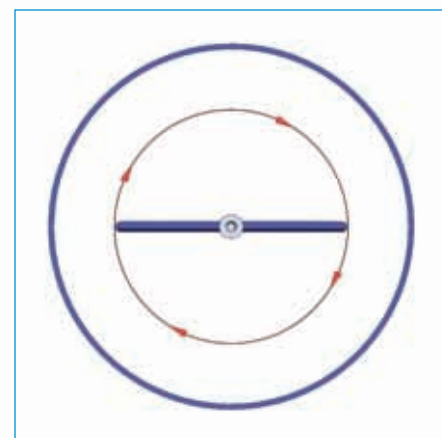


Fig. 2 Fixed Axis Mixer Design

Optimum Vacuum

The Morgan Steer mixing products are specifically designed to operate at a vacuum level of 550mmHg in order to achieve a consistent, high quality cement.

As a result, this helps to avoid the excessive porosity produced if the vacuum level is too low or the shrinkage induced micro cracks created if the vacuum levels are too high, both of which can result in a failure of the cement mantle².



The Morgan Steer range provides the perfect solution when choosing the right vacuum mixing system.

- **Quality**
- **Performance**
- **Value**



Product Range

Code	Description	Qty
MS200	Single Bowl Mixing System	10
MS300	Single Syringe Mixing and Delivery System	10
MS400	Double Bowl Mixing System	10
MS500	Combination Bowl and Syringe Pack	10
MS600	Double Syringe Mixing and Delivery System	10

Accessories

Code	Description	Qty
MS025	Cement Delivery Gun	1
MS050	Vacuum Pump	1



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1. Kurdy NMG, Hodgkinson JP, and Haynes R, 1996. Acrylic bone – cement; influence of mixer design and unmixed powder. J Arthroplasty, 11(7),813-819
2. Dunne NJ, and Orr JF, 2001. Influence of mixing techniques on the physical properties of acrylic bone cement. Biomaterials – 22 (2001)

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