

PRODUCT

产品介绍

ST 强化钢丸 / ST Strengthened Steel Shot

ST 强化钢丸是山东中兴金属自主研发的高性能金属磨料，采用特殊热处理工艺制造，通过优化合金成分，控制高锰、低硫、低磷含量，提升钢丸的韧性、抗冲击性能和疲劳寿命。

相比普通钢丸，ST 强化钢丸在长期循环使用过程中具有更低的破碎率、更稳定的性能表现以及更低的使用成本，适用于高效率、连续化抛丸生产。

ST Strengthened Steel Shot is a high-performance metallic abrasive developed by Shandong Zhongxing Metal. Manufactured through a special heat treatment with optimized alloy composition and high manganese, low sulfur, and low phosphorus control, it delivers superior toughness, impact resistance, and life-span.

Compared with conventional steel shot, ST Steel Shot provides lower breakdown rate, longer service life, and lower abrasive consumption for continuous blasting operations.

产品优势：

特殊热处理：优化金相组织，提高钢丸抗冲击能力和循环使用寿命。

高锰高铬低磷配方：提升产品韧性和疲劳性能，降低破碎率。

长寿命，低消耗：减少磨料补充频率，降低生产成本。

稳定抛丸效果：保持稳定硬度和粒度分布，确保一致的表面处理质量。

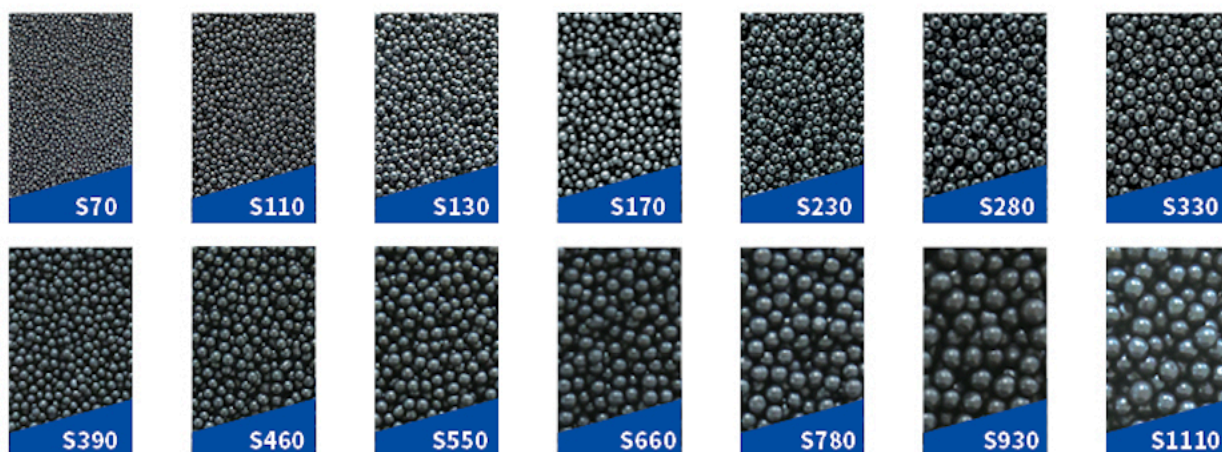
Product Advantages:

Special heat treatment: Enhanced microstructure for improved impact resistance and durability.

High Manganese & Chromium Low Sulfur & Phosphorus: Improved toughness and fatigue performance with reduced breakage.

Long Life & Low Consumption: Reduces abrasive replacement frequency and operating costs.

Stable Blasting Performance: Consistent hardness and size distribution ensure uniform surface treatment.



产品规格 / Product Specifications

项目 (Item)		ST 强化钢丸 ST Strengthened Steel Shot
化学成分 (Chemical Composition)	碳 / C	0.85-1.20%
	锰 / Mn	0.70-1.20%
	硅 / Si	0.50-1.00%
	硫 / S	≤ 0.03%
	磷 / P	≤ 0.03%
	铬 / Cr	0.15-0.50%
硬度 Hardness (HRC)		40-51HRC
金相组织 (Metallurgical structure)		板条状回火马氏体 (Uniform Tempered Martensite)
密度 Density (g/cm ³)		7.5g/cm ³
欧文寿命 (Lifespan)		使用寿命较普通钢丸提升至少 20%(Min 20% longer than normal steel shot)