



**WHITE PAPER REPORT
BLASTING MEDIA THAT WON'T CAUSE DELAMINATION OR WARPING
AND PREVENTS FLASH RUSTING**

Damage to parts due to using steel media in a blasting process has always been considered as "a necessary evil." Or so it seems. In one case, it's caused by the relatively high hardness of the steel media repeatedly impacting the various die cast parts and causing them to lose their shape (warp) and separate the upper layer of metal from the lower layer (delamination). Steel media also does nothing to slow down the process of rusting on iron parts.

The results are substantially increased costs in the blasting process due to...

- Rejected parts which must be reworked (or most of the time...discarded) or
- Parts that rust so quickly following blasting that they must be re-blasted prior to painting or final finishing.

Any way one evaluates blasting process damage done by steel media...it is a serious issue to be addressed.

A forward-thinking business in Columbus, Ohio, USA, has developed the solution to this issue. Founded in 1970, the Transmet Corporation manufactures a Cast Zinc Blasting Shot alternative (called ZA4) that is revolutionizing the blasting industry.

When compared to steel blasting media, the substantial difference in zinc's properties allow it to do comparable finishing of metal parts **without causing any delamination or warping on light metal castings**. The cast zinc shot also **provides a temporary rust inhibitor** which prevents flash rusting for days or even weeks following the blasting of iron parts. These properties, along with giving parts **a consistently bright metallic finish without damaging the substrate or blasting equipment** (because zinc is a softer and more ductile metal) make it a more desirable alternative for doing work on aluminum, zinc or magnesium parts. Factor in the **superior durability of the cast zinc shot allowing it to last 3-5 times as long as steel and reducing dust by at least 60%** and the choice of media becomes even clearer.

Steel Blasting Media	_____	Durability: ~ 1500-3000 Impacts before breakdown Bulk Density: ~ 280 lbs/ft ³
Stainless Media	_____	Durability: ~ 1500-6000 Impacts before breakdown Bulk Density: ~ 280 lbs/ft ³
ZA4 Cast Zinc Shot	_____	Durability: ~ 14,000-15,000 Impacts before breakdown Bulk Density: ~ 240 lbs/ft ³

*If you're **tired of watching steel media cause warping, delamination or flash rusting and would like to see it stop...**and would like to see for yourself how a few of **your** pieces look after being blasted with ZA4 Cast Zinc Shot, we'll be glad to do a **free trial blast for you**. Just print, fill in and return the Free Trial Blasting Offer page below (scroll down) with your parts.*



Transmet FREE Trial Blasting Offer

To see how Transmet Special Blasting Media will work on your pieces, here's all you need to do:

1. Get 4-6 raw, **unfinished** parts (for us to work on) and 1 **finished (blasted)** part that meets your requirements (so we can see exactly what you're looking for.)
2. Print a copy of this form and fill in the blanks.
3. Enclose the completed form along with your parts **and your business card stapled as requested...**and send to:

**Transmet Corp
Attn: R. Kaynes
4290 Perimeter Dr.
Columbus, OH 43218**

I'll let you know I've received your parts and when to expect them back. And once you receive them back, you can judge for yourself as to how Transmet Special Blasting Media met your requirements. Then you'll be ready to start eliminating the headaches from your blasting process (and start saving bottom-line dollars, too).

TRANSMET FREE TRIAL BLASTING FORM

Part Names/Numbers _____

Part Material []Zinc []Aluminum []Other _____

Current Blasting Media _____ Current Blasting Time _____ Minutes

Blasting Machine Size _____ cu ft Blasting Machine Horsepower _____

Blasting Machine Type:

Centrifugal Wheel

[]Spinner []Hanger []Tumbler []Pass Through # of Wheels _____

Air Blast

[]Suction Blast []Pressure Blast Air Pressure _____psi

Notes: The following is IMPORTANT to us regarding these pieces: _____

Staple your business card here