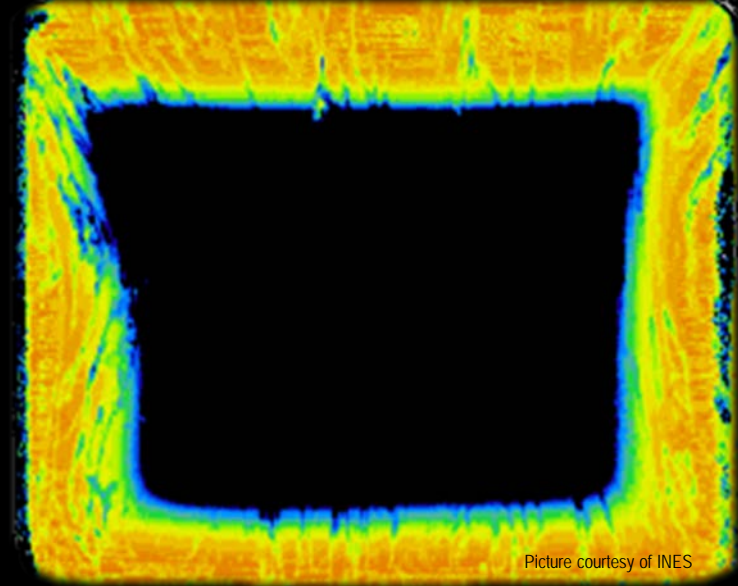


Standard crucible



Picture courtesy of INES

SOLAR® Crucible ASC™

 SOLAR® Crucible ASC™

Get more high quality wafers from your ingot
using your own coating operation



SOLAR[®] Crucible ASC[™] - Advanced SOLAR[®] Crucible

Improved ingot yield and superior wafers quality

SOLAR[®] is the VESUVIUS brand of all technical solutions developed for the photovoltaic industry. The SOLAR[®] Crucible ASC[™] is a non-coated crucible used for the fusion and the crystallization of polysilicon in the manufacturing of multi-crystal silicon ingots. The ASC[™] has been specially engineered to optimize customers coating operation and to maximize the usable bricks length. Production yield is increased, wafer quality is improved due to lower impurities diffusion.

SOLAR[®] Crucible ASC[™] benefits:

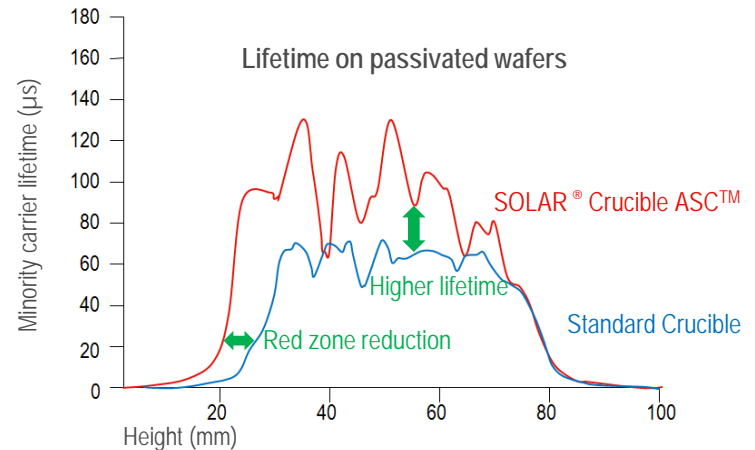
- **Smaller red zone**
Better ingot yield through 20 to 30% bottom red zone reduction leading to up to 5% more wafers
- **Easier to coat**
Lower risk of coating failure
- **Enhanced coating adhesion**
Coating better adheres to internal surface and reduces sticking risk
- **Lower impurities diffusion promoting higher life time of wafers**
Clean chemistry leads to lower impurities diffusion

Where to find SOLAR[®] Crucibles ?

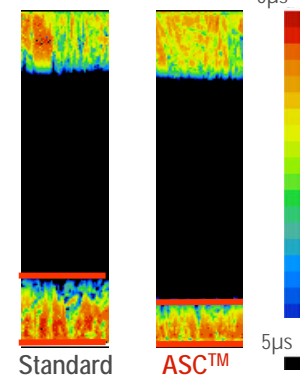
Website: www.vesuvius.com
Contact us: www.vesuviusinquiry.com



ASC[™] performance tested on laboratory crucible (similar coating operation)



Smaller red zone



* Ref: INES (Institut National de l'Energie Solaire)