

# Surface modification of molds for titanium casting, and its influence on the allocation of chemical elements in boundary layers of molds

Petrov E., Khatmullina A., Lyahovich A.  
*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

## Abstract

© Published under licence by IOP Publishing Ltd. Influence of titanium sputtering on the inner surface of the casting mold on the chemical elements' allocating in the boundary layers of the mold is considered. It is established that the sputtering of titanium does not exclude the migration of mold's chemical elements through the titanium to the casting surface.

<http://dx.doi.org/10.1088/1757-899X/412/1/012056>

---

## References

- [1-]
- [2-]
- [K]