

Electronics Materials Information

Techcet Critical Materials: QUARTERLY UPDATE Sputtering Targets

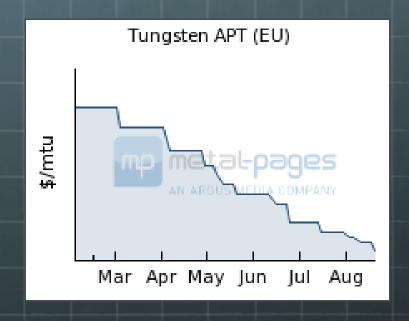
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Forecast Updates: Target Pricing

- Although the commodity metal price index has decreased 7.64% during the first half of 2015, the change in raw materials price is not expected to impact Cu, Ti, or Cu target prices.
- Tungsten raw material prices continued to soften though 2015, forcing a downward correction in W price forecast.
- Tantalum prices in 2016 and beyond were adjusted downward due to growing competition



Supply Chain Updates

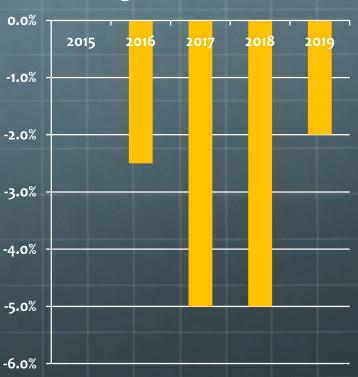
- GAM (Global Adv. Metals, previously known as Cabot Super Metals) now actively marketing intermediate Ta metal forms once again.
- KFMI strengthening their offering of Ta targets, i.e. competiting on pricing for a variety of configurations.

Forecast Updates: Target Demand

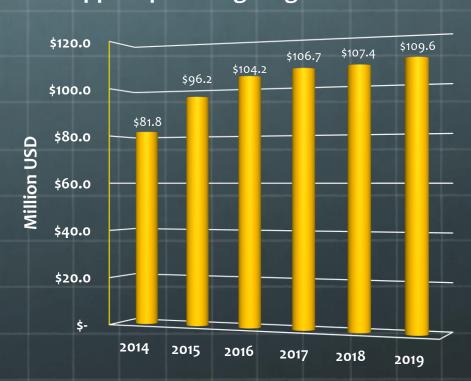
Adjustments to Techcet's Wafer Start Forecast have been incorporated into the Wafer Pass Forecast Model, and adjustments to the 5-year Sputtering Targets demand forecasts were calculated.

Forecast Updates: Copper



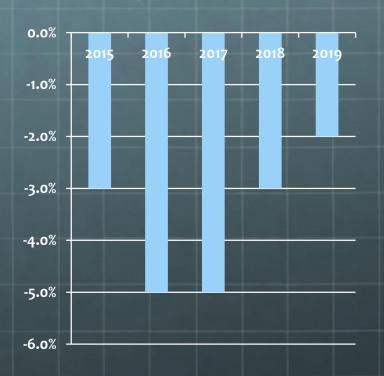


Copper Sputtering Target Revenue



Forecast Updates: Tantalum

Ta Target Price Forecast

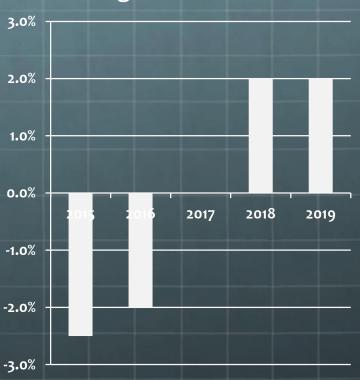


Tantalum Sputtering Target Revenue



Forecast Updates: Aluminum



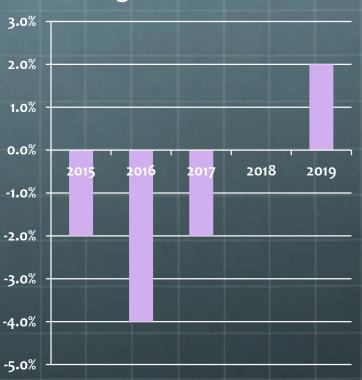


Aluminum Sputtering Target Revenue



Forecast Updates: Titanium



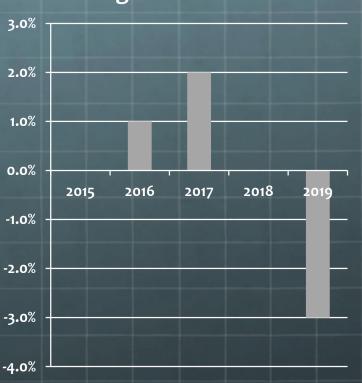


Titanium Sputtering Target Revenue



Forecast Updates: Tungsten





Tungsten Sputtering Target Revenue



Thank You! cmichaluk@techcet.com +1 (520) 977-5274

