

Erratum to: From Particle Acceleration to Impact and Bonding in Cold Spraying

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The authors have notified the publisher of two errors in their article (appearing in this issue), relating to Figs. 13 and 19.

(1) The x-axis of Fig. 13 label. As illustrated below, the axis should be titled “impact velocity [m/s]”. In the caption and the text the word “temperature” should be replaced by “velocity” as follows:

“Figure 13 summarizes impact calculations performed for 5, 15, 25, 50 and 150 μm Cu particles, where the impact

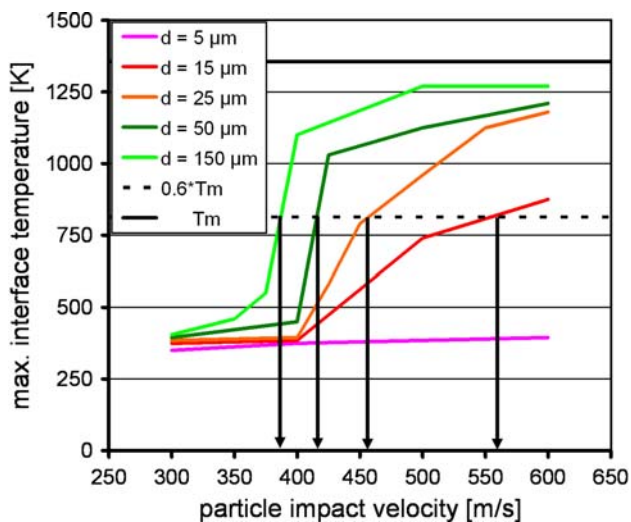


Fig. 13 Maximum of average interface temperature (compare with Fig. 12) at the monitored element (compare with Fig. 10) set as a function of particle impact velocity, plotted for different particle sizes

velocity was varied in 50 m/s steps from 300 to 600 m/s. The initial temperature of particles and the substrate material was constant at 20 °C. This diagram shows the maximum interface temperature (compare with Fig. 12) of the monitored element set (compare with Fig. 10) as a function of the **impact velocity** for the different particle sizes. The more or less steep rise in interface temperature indicates the occurrence of shear instabilities.

(2) In the caption of Fig. 19, (a) and (b) were interchanged. The correct description is illustrated in the caption for Fig. 19.

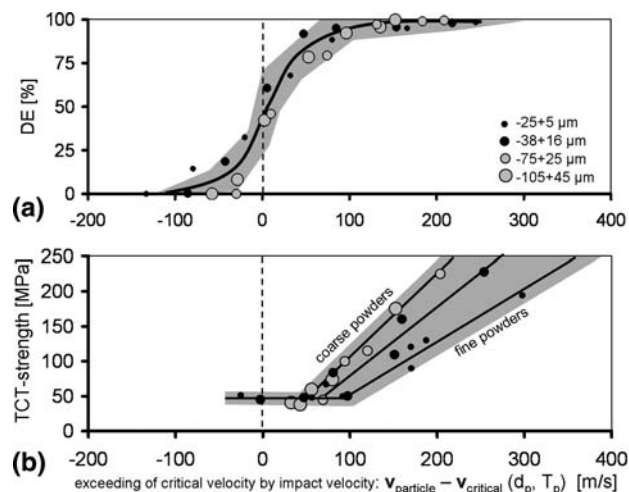


Fig. 19 Summary of spray experiments with four different powder size cuts and a variety of spray conditions showing size effects. (a) DE and (b) coating strength (TCT tests) as a function of exceeding the critical velocity by impact velocity. The velocities are calculated values according to Eq 4 and the one-dimensional fluid dynamic model.

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