

## **Batch mixing study of granular agro-food materials** in an innovative mixer: the T

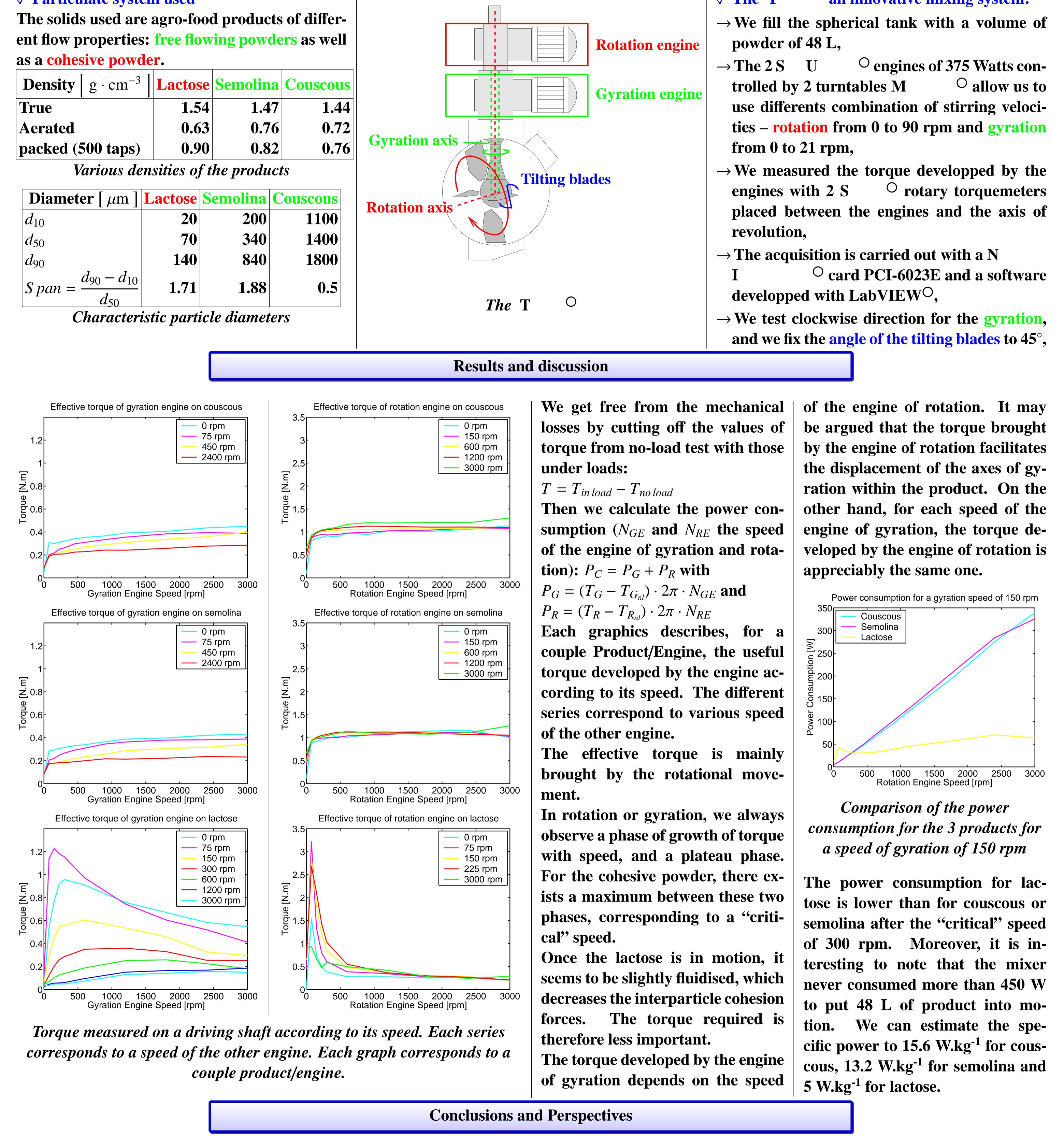


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## **Materials and Methods**

## ✓ **Particulate system used** as a cohesive powder. 1.54 1.47 True



**O** an innovative mixing system: ✓ The T

<sup>O</sup> has never consumed more than 450 W for 48 L of free flowing  $\Rightarrow$  This mixing system is very interesting in term of power consumption: the T powder and 100 W for 48 L of cohesive powders.

Ο.  $\Rightarrow$  The use of adimensionnal numbers as Reynolds, and Power Number will improve the comprehension of phenomena of mixture in the T

 $\Rightarrow$  We will characterize the quality of the mixture in term of homogeneity with an online image analysis method. And we'll try to connect the results to the operating conditions.