



## - Setting the Highest Standards - How NIIK's High Speed Drum Granulation can Add Value to your Urea Product

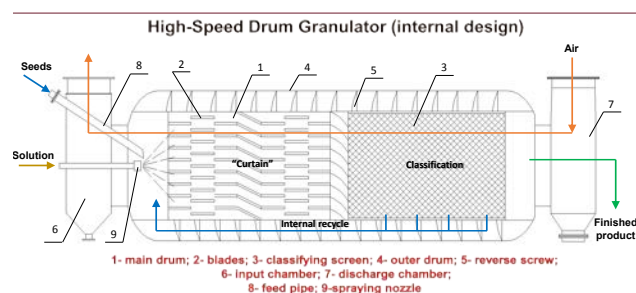


Urea producers continuously search for new ways to add value to their product. For example adding more nutrients is very beneficial for the farmers and producing DEF / Ad Blue is a very attractive niche market.

The technology to realize this should be simple and flexible and should require minimum investment and operating costs. NIIK, the Research and Development Institute of Urea and Organic Synthetic products, located in Russia, has

successfully developed such a technology, the HIGH SPEED DRUM GRANULATION (HSDG) which has been already proven in several units since 2012.

The higher speed intensifies the granulation process leading to a lower moisture content, a higher strength of the final product and smaller size and weight of the unit. Furthermore the classification and recycle takes place inside the drum realizing a very economical revamp tool for any urea plant.



### Facts

#### NIIK HIGH SPEED DRUM GRANULATION

Function: Produce multi-nutrient urea products, DEF / Ad Blue or additional urea or ammonium nitrate

Capacity: 250-500 mtpd

Air: 1300-2000 m3/mt

Water: 0-15 m3/mt depending on product type

Power: 35 kWh/mt

Length: 10.6 m



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