



# VANTERM

Passion for excellence in clean air solutions.

CASE STUDY NAME

## MANUAL GRINDING - DUST & FUME FILTRATION



### Case Study Facts

Products: KTM-1500 Workbenches

Process: Manual grinding

Customer: BORUSAN CATERPILLAR - Turkey

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## Requirements & Challenges

Borusan Caterpillar is providing heavy duty articulated trucks, hydraulic excavators, lift equipment, booms, terrain scissors lifts in diverse industrial sectors with its wide range of product spectrum.

Borusan Caterpillar was looking for a filtration solution in order to get rid of the dust and smoke which was generated during the **manual grinding processes**, in its service and maintenance workshop in Kocaeli plant. There are three grinding zones in the workshop, where the steel parts with different sizes and weights are continuously grinded.

## SOLUTION

After investigating the metal parts to be grinded, VANTERM installed KTM-1500 workbenches for each grinding operator. With its **integrated filter elements and fan unit inside KTM – workbench**, there are no need for any external duct connection, which has brought a great flexibility for any possible lay-out changes at Borusan. The **long filter lifespan** and also the **user-friendly design** of the KTM-workbenches are proven to be the most interesting features for grinding-operators at Borusan Caterpillar.



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