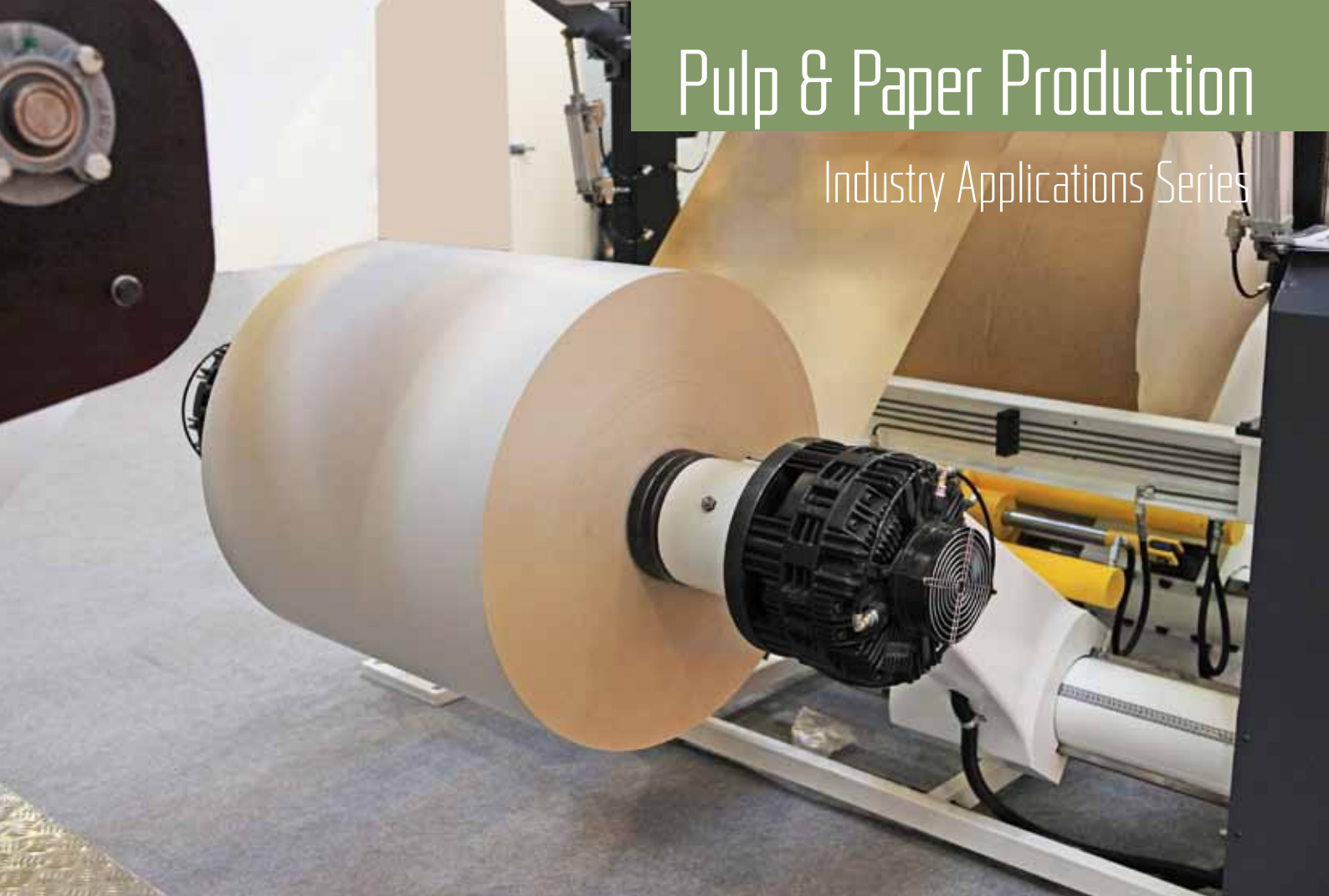


# Pulp & Paper Production

Industry Applications Series



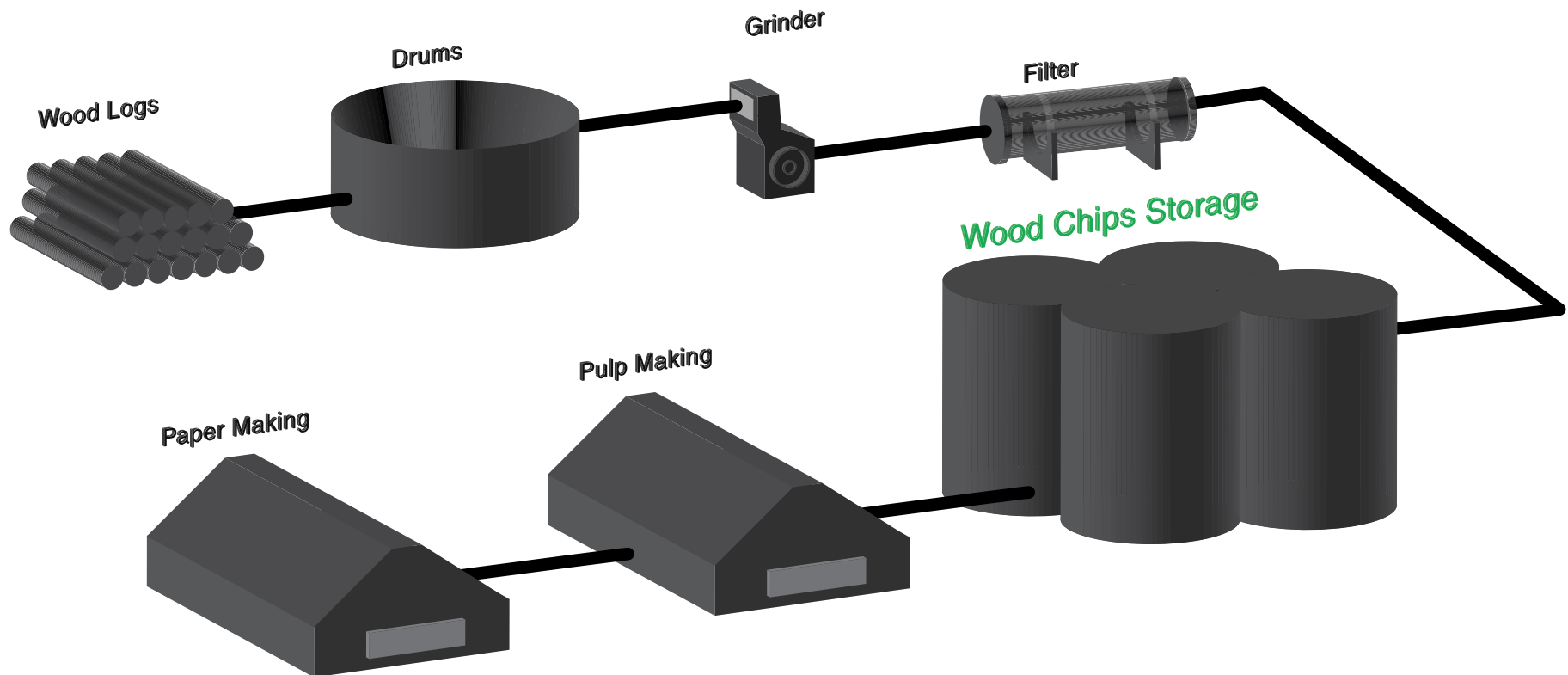
A guide to volume  
measurement solutions for the

# Pulp & Paper Industry



*Changing the market  
from level to volume*

## Pulp and Paper Production Diagram



## Wood Chips Storage

**Application:** Wood chips are transported to the production line and stored in silos before being processed into pulp.

**Challenges:** The wood chips storage facilities are usually very big, the material tends to stick and the emptying process is done through nozzles along the silo bottom which creates irregular formations inside the silo. As the storage silos feed the pulp-making process, it is important to make sure enough material is available for the production. Continuous inventory management is critical to allow smooth operation. APM's systems accurately measure the true volume of chips remaining in the silo, taking into account material build-ups on the silo walls. In addition, the system 3D visualization tool allows operators to see the allocation of wood chips inside the silos in real time. This facilitates the scheduling of any required maintenance and cleaning before unexpected interruptions of the emptying process occur, causing stoppages or delays in the pulp production process that in turn lead to losses in time and money.



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